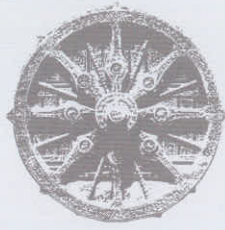




Product Catalogue
Plastics Piping Systems

Jeevan bhar ka saath...



॥ यत्नं कुर्यादनुत्तमम् ॥
Striving for matchless efforts

Worldclass Mega Project

An aerial view of mega project at Gadegaon, Dist. Jalgaon (MS) spread over 132 acres having built up area of over 1.5 million sq. ft.



ACCREDITATIONS AND RECOGNITIONS



ISO:9001
Quality Management
System



ISO:14001 Environment
Management System,
BS OHSAS:18001
Occupational Health &
Safety Assessment Series



Watermark-DWV
AS NZS 1260



Watermark-Pressure
Pipes AS NZS 1477



Watermark- PE pipes
AS NZS 4130



Fraunhofer Germany
for Acoustic Performance



WRAS-UK
Product Quality Certification



No.1 Exporter of India



NSF-USA Product Quality
Certification



**Endeavouring to excel,
to the point of surpassing itself and others**

This is the spirit and the driving force at Supreme...
where it finds dynamic expression in various ways.

From playing the pioneer to setting standards in the industry.

From innovating new products to improving existing ones.

From handling the largest volumes to offering the largest range.

From producing raw materials to manufacturing finished products.

From doing business with the world to being present in markets countrywide.

From harnessing the best global technologies to following best quality practices.

From protecting the environment to caring for society.

From being the leader to being matchless.

“ Our commitment to business is total.

We seek to create and add value, in every possible way.

Value that changes and raises the quality of life for every user of our products.

In this, we are driven by the relentless quest of seeking and finding newer ways to
continuously improve everything we do.

And to achieve all this, our efforts are matchless. ”

M.P. Taparia
Managing Director

Strong Credentials

Water is life, without which human existence can not be imagined. Around the world, civilizations have thrived and flourished chiefly around water.

The ever increasing demand for water on account of population increase, upward surge in industrial activity and depleting resources have posed a big challenge to the subject of water management.

This calls for a scientific approach in dealing with collection, storage and transportation of water to mitigate the scarcity of water. Thus, one of the crucial elements of water management is transportation of water through a piping system. Due to varied nature of resources, geographies and end use, the piping requirements greatly differ from place to place. These led to the evolution of many types of piping systems over the centuries involving different materials, different manufacturing technologies etc. to meet the societal demands of water.

In India, plastic piping systems have already gained a wide acceptance over so called conventional pipe materials like clay, metal, cement etc. New fields have now been opened up in areas like hot and cold water supply, soil and waste disposal, drainage and sewerage, cooling and heating systems, rainwater harvesting etc. This is mainly due to the distinct advantages offered by the plastic piping systems such as their high corrosion resistance, less frictional losses, light weight, ease in handling, simple jointing and long life besides economy thus making it an obvious and preferred choice over the others.

Plastic Piping Division:

The Supreme Industries Ltd, in last five decades, has not only been in the forefront but a pioneer in developing many innovative plastic piping products. It is credited with innovation of several path breaking products and has been a torch bearer in transition from conventional to advanced plastic piping products in the country. Its customer centric and futuristic approach fuels its research and innovation initiatives.

This journey from leadership to carving a niche in the piping industry has been possible only due to its sustained efforts in responding to the needs of its clients; be it a farmer or a house owner or industry owner or infra project developer. The Company, through its continuous R&D has been providing unique and cost effective solutions relentlessly. Each of its products is designed to match the specific needs of a specific application to ultimately meet the aspirations of the end users.

To cater to the strong market demands, Supreme has

established a mega project at Gadegaon - just 18 kms away from Jalgaon. The entire set-up is certified with ISO 9001:2008 Quality Management System, ISO:14001 Environmental Management System and ISO:45001 Occupational Health and Safety management certifications. This state of the art project is the first of its kind in the country in terms of size, technology and product range.

Be it the requirement of above-the ground or underground applications, the Supreme Industries is the one-stop shop for everything in plastic piping products. The current product portfolio of Supreme comprises of almost every application of pipes and fittings with over 8000 diverse products manufactured as per various national and international standards. Supreme products have gained confidence of customers from more than 25 countries across the globe including quality conscious markets like UK, Germany, Cyprus, Australia, New Zealand and many GCC, SAARC and African countries which stands as a testimony to its philosophy of ultimate customer delight. Supreme has been consistently bagging national awards for its outstanding export performance.

Innovation: A key to success

Product innovation and continuous up-gradation of quality has been our consistent endeavor. Different plumbing systems for hot and cold water, underground drainage system with readymade inspection chambers and manholes, hi-tech low noise SWR drainage system, readymade septic tanks and underground water tanks are some of the path-breaking products pioneered by the company; improving the lives of people in domestic and overseas market.

Meeting the highest quality standard:

The Supreme has gained leadership by supplying excellent quality products at affordable prices backed by assured services. This was possible only through continuous quality improvement programs undertaken at various stages of manufacturing.

The training and skill up-gradation of employees is of paramount importance in developing human assets of the company. It involves appropriate recruitment policy, training, motivation for which management is fully committed.

The procurement of right materials, deployment of cutting edge technology in manufacturing process, technology absorption, quality assurance, efficient logistics for distribution and customer service have always been the focus areas at Supreme.

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THE SYSTEM

Supreme "lead free" aqua Gold® high pressure uPVC solvent weld plumbing system is an economical solution for transportation and distribution of potable water and many other applications. This hygienic and cost effective system is not only technically superior to conventional GI piping systems but offers many additional advantages over them. This system is very easy to install and functionally the most suitable for plumbing application like terrace looping, down-take and up-take lines, concealed pipe work etc. It has much longer life span besides being cost effective. This system has the approval of MCGM.

Type of raw material

The rigid PVC (Polyvinyl Chloride) compound used in the manufacture of pipes and fittings is Type 1, i.e., Grade 1 PVC 1120 as identified in ASTM D-1784. The compound contains specified amounts of pigment, stabilizers and other additives to facilitate extrusion.

Product specifications

The system is made as per ASTM (American Society for Testing of Materials) standards. The pipes are made as per ASTM D-1785 and fittings are made as per ASTM D-2466 (for SCH 40 fittings) and ASTM D-2467 (for SCH 80 fittings). The pipes are supplied without socket, i.e., in plain in 3m length, in SCH 40 and SCH 80 pressure class. The complete fitting range is available in SCH 80, whereas most running fittings are also available in SCH 40. The pipes and fitting are available in 15 to 200mm dia (½" to 8") in SCH 80. In addition to this, 15 to 50mm (½" to 2") sizes are available in SCH 40. The aqua Gold® fittings can be classified into four categories.

1. Solvent weld socketed fittings
2. Threaded fittings with plastic threads
3. Threaded fittings with brass inserts, and
4. Flange joints

Fields of application

This system is designed for normal water application and is an ideal solution for potable water distribution, plumbing and water supply in residential and industrial buildings. It can be used for uptake lines, down take lines and loops on the terraces, water distribution mains, industrial process lines, sugar, paper and distillery industry and transportation corrosive fluid.

FEATURES AND BENEFITS

Strong, resilient and long lasting - This system is highly resilient, tough and durable with high tensile and impact strength. It is also free of weaknesses caused due to rusting, weathering and chemical action which helps it last considerably longer than GI pipe system.

Mechanical properties - uPVC pipes are relatively more flexible than conventional pipe system. They have adequate tensile strength and even burst strength to withstand the operating pressures encountered in most service conditions within the specified range of temperature for the system. External shocks or impacts that could cause a failure in more rigid materials, can be absorbed by the system.

Excellent chemical and corrosion resistant properties - This material is free from corrosion and has an excellent resistance against many chemicals like strong mineral acids, alkalis, salts as well as to a large number of organic solvents.

Light weight - Being light in weight (1/6th the weight of metal piping), these pipes are easy to handle, transport and install.

Simple and leak proof joints - Jointing can be done speedily with the special solvent cement supplied by the company which ensures 100% leak proof joints.

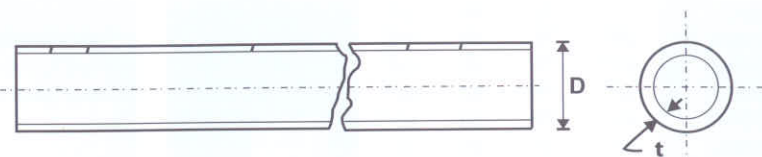
Most suitable for carriage of potable water - Being non metallic and made from some special compounds, this system is free from corrosion, chemical reactivity and biological effects.

Optimum flow rates - A mirror-smooth surface with C-value 150 ensures a high flow rates and low frictional losses.

Piping system integrity - Supreme aqua Gold® offers a complete range of pipe and fitting products which translates into the fact that one needs to look no further.

Maintenance free - Being free from all the demerits of old system like rusting, pitting, scaling, galvanic or electrolytic corrosion, the Supreme aqua Gold® system can rightly boast of being maintenance free.

Overall economy - Maintenance free, long life of a product which is light, can be cut, jointed and installed with little effort saves a huge amount of money over its life time.









PIPES

Dimensions and water pressure rating at 23°C for unthreaded pipes as per ASTM D-1785 (PVC compound grade equivalent to PVC 1120/2120)

Nominal size		Outside diameter (D) in mm	Schedule 40			Schedule 80		
mm	inch		Wall thickness (t) in mm	Working pressure		Wall thickness (t) in mm	Working pressure	
				kgf/cm ²	psi		kgf/cm ²	psi
15	½	21.34 ± 0.10	2.77+0.51	41.4	600	3.73+0.51	58.6	850
20	¾	26.67 ± 0.10	2.87+ 0.51	33.1	480	3.91+0.51	47.6	690
25	1	33.40 ± 0.13	3.38+0.51	31.0	450	4.55+0.53	43.4	630
32	1¼	42.16 ± 0.13	3.56+0.51	25.5	370	4.85+0.58	35.9	520
40	1½	48.26 ± 0.15	3.68+0.51	22.8	330	5.08+0.61	32.4	470
50	2	60.32 ± 0.15	3.91+0.51	19.3	280	5.54+0.66	27.6	400
65	2½	73.02 ± 0.18	5.16+0.61	20.7	300	7.01+0.84	29.0	420
80	3	88.90 ± 0.20	5.49+0.66	17.9	260	7.62+0.91	25.5	370
100	4	114.30 ± 0.23	6.02+0.71	15.2	220	8.56+1.02	22.1	320
125	5	141.30 ± 0.25	6.55+0.79	13.1	190	9.52+1.14	20.0	290
150	6	168.28 ± 0.28	7.11+0.86	12.4	180	10.97+1.32	19.3	280
200	8	219.08 ± 0.38	8.18+0.99	11.0	160	12.70+1.52	17.2	250
*250	10	273.05 ± 0.38	9.27+1.12	9.8	140	15.06+1.80	16.1	230

FITTINGS

Item Code	Size in mm	Size in inch	SCH	Box Qty.	
MP1G4CPL001E	15	½	40	250	 Coupler
MP1G4CPL002E	20	¾	40	300	
MP1G4CPL003E	25	1	40	200	
MP1G4CPL004E	32	1¼	40	100	
MP1G4CPL005E	40	1½	40	75	
MP1G4CPL006E	50	2	40	50	
MP1G8CPL001E	15	½	80	400	 Elbow 90°
MP1G8CPL002E	20	¾	80	300	
MP1G8CPL003E	25	1	80	200	
MP1G8CPL004E	32	1¼	80	110	
MP1G8CPL005E	40	1½	80	70	
MP1G8CPL006E	50	2	80	50	
MP1G8CPL007E	65	2½	80	15	
MP1G8CPL008E	80	3	80	10	
MP1G8CPL009E	100	4	80	10	
MP1G8CPL010E	150	6	80	3	
MP1G8CPL011E	200	8	80	3	
MP1G4ELB001E	15	½	40	200	 Elbow 90°
MP1G4ELB002E	20	¾	40	250	
MP1G4ELB003E	25	1	40	120	
MP1G4ELB004E	32	1¼	40	80	
MP1G4ELB005E	40	1½	40	60	
MP1G4ELB006E	50	2	40	36	
MP1G4ELB009E	100	4	40	23	
MP1G8ELB001E	15	½	80	300	
MP1G8ELB002E	20	¾	80	220	
MP1G8ELB003E	25	1	80	120	

Item Code	Size in mm	Size in inch	SCH	Box Qty.		
MP1G8ELB004E	32	1¼	80	70	 Elbow 90°	
MP1G8ELB005E	40	1½	80	50		
MP1G8ELB006E	50	2	80	30		
MP1G8ELB007E	65	2½	80	8		
MP1G8ELB008E	80	3	80	11		
MP1G8ELB009E	100	4	80	4		
MP1G8ELB010E	150	6	80	2		
MP1G8ELB00EE	200	8	80	1		
MP1G8REL2X1E	20x15	¾x½	80	100		 Reducing Elbow 90°
MP1G8REL3X1E	25x15	1x½	80	80		
MP1G8REL3X2E	25x20	1x¾	80	60		
MP1G8REL4X1E	32x15	1¼x½	80	120		
MP1G8REL4X3E	32x25	1¼x1	80	100		
MP1G8REL5X3E	40x25	1½x1	80	80		
MP1G8REL6X5E	50x40	2x1½	80	40		
MP1G4BDF009E (HUB)	100	4	40	30	 Elbow 45°	
MP1G4BDF010E (HUB)	150	6	40	9		
MP1G8BDF001E	15	½	80	150		
MP1G8BDF002E	20	¾	80	90		
MP1G8BDF003E	25	1	80	60		
MP1G8BDF004E	32	1¼	80	40		
MP1G8BDF005E	40	1½	80	25		
MP1G8BDF006E	50	2	80	16		
MP1G8BDF007E	65	2½	80	10		
MP1G8BDF008E	80	3	80	6		
MP1G8BDF009E	100	4	80	6		

1 Mpa = 10 Kgf/cm², 1 Kgf/cm² = 14.20 psi. Pipes and fittings are offered in off white (OW) colour. F - Fabricated, SCH - Schedule (Pressure class)
*Marked size will be shortly introduced.

Item Code	Size in mm	Size in inch	SCH	Box Qty.
MP1G4TEE001E	15	½	40	120
MP1G4TEE002E	20	¾	40	150
MP1G4TEE003E	25	1	40	100
MP1G4TEE004E	32	1¼	40	60
MP1G4TEE005E	40	1½	40	40
MP1G4TEE006E	50	2	40	20
MP1G8TEE001E	15	½	80	220
MP1G8TEE002E	20	¾	80	120
MP1G8TEE003E	25	1	80	80
MP1G8TEE004E	32	1¼	80	50
MP1G8TEE005E	40	1½	80	30
MP1G8TEE006E	50	2	80	20
MP1G8TEE007E	65	2½	80	5
MP1G8TEE008E	80	3	80	9
MP1G8TEE009E	100	4	80	3
MP1G8TEE010E	150	6	80	2
MP1G8TEE00EE	200	8	80	1



Equal Tee

MP1G8CRT001E	15	½	80	80
MP1G8CRT002E	20	¾	80	45
MP1G8CRT003E	25	1	80	30
MP1G8CRT004E	32	1¼	80	40



Cross Tee

MP1G8RET2X1E	20x15	¾x½	80	70
MP1G8RET3X1E	25x15	1x½	80	120
MP1G8RET3X2E	25x20	1x¾	80	40
MP1G8RET4X1E	32x15	1¼x½	80	35
MP1G8RET4X2E	32x20	1¼x¾	80	30
MP1G8RET4X3E	32x25	1¼x1	80	28
MP1G8RET5X1E	40x15	1½x½	80	25
MP1G8RET5X2E	40x20	1½x¾	80	20
MP1G8RET5X3E	40x25	1½x1	80	20
MP1G8RET5X4E	40x32	1½x1¼	80	16
MP1G8RET6X1E	50x15	2x½	80	12
MP1G8RET6X2E	50x20	2x¾	80	12
MP1G8RET6X3E	50x25	2x1	80	12
MP1G8RET6X4E	50x32	2x1¼	80	12
MP1G8RET6X5E	50x40	2x1½	80	12
MP1G8RET7X2E	65x20	2½x¾	80	6
MP1G8RET7X3E	65x25	2½x1	80	7
MP1G8RET7X4E	65x32	2½x1¼	80	8
MP1G8RET7X5E	65x40	2½x1½	80	6
MP1G8RET7X6E	65x50	2½x2	80	6
MP1G8RET8X2E	80x20	3x¾	80	5
MP1G8RET8X3E	80x25	3x1	80	10
MP1G8RET8X5E	80x40	3x1½	80	10
MP1G8RET8X6E	80x50	3x2	80	10
MP1G8RET8X7E	80x65	3x2½	80	9
MP1G8RET9X2E	100x20	4x¾	80	4
MP1G8RET9X3E	100x25	4x1	80	6
MP1G8RET9X4E	100x32	4x1¼	80	6
MP1G8RET9X5E	100x40	4x1½	80	6
MP1G8RET9X6E	100x50	4x2	80	6
MP1G8RET9X8E	100x80	4x3	80	5
MP1G8RETSX7E	150x65	6x2½	80	2
MP1G8RETSX8E	150x80	6x3	80	2
MP1G8RETSX9E	150x100	6x4	80	2



Reducing Tee

Item Code	Size in mm	Size in inch	SCH	Box Qty.
FPG8RET025EW	80x32	3x1¼	80	
FPG8RET011EW	100x65	4x2½	80	
FPG8RET040EW	200x150	8x6	80	



Reducing Tee (F)

MP1G4RB10X9E	150x100	6x4	40	16
MP1G8REB2X1E	20x15	¾x½	80	400
MP1G8REB3X1E	25x15	1x½	80	225
MP1G8REB3X2E	25x20	1x¾	80	225
MP1G8REB4X1E	32x15	1¼x½	80	120
MP1G8REB4X2E	32x20	1¼x¾	80	140
MP1G8REB4X3E	32x25	1¼x1	80	100
MP1G8REB5X1E	40x15	1½x½	80	80
MP1G8REB5X2E	40x20	1½x¾	80	80
MP1G8REB5X3E	40x25	1½x1	80	80
MP1G8REB5X4E	40x32	1½x1¼	80	40
MP1G8REB6X1E	50x15	2x½	80	24
MP1G8REB6X2E	50x20	2x¾	80	50
MP1G8REB6X3E	50x25	2x1	80	50
MP1G8REB6X4E	50x32	2x1¼	80	50
MP1G8REB6X5E	50x40	2x1½	80	50
MP1G8REB7X3E	65x25	2½x1	80	25
MP1G8REB7X4E	65x32	2½x1¼	80	12
MP1G8REB7X5E	65x40	2½x1½	80	12
MP1G8REB7X6E	65x50	2½x2	80	30
MP1G8REB8X5E	80x40	3x1½	80	10
MP1G8REB8X6E	80x50	3x2	80	24
MP1G8REB8X7E	80x65	3x2½	80	10
MP1G8REB9X6E	100x50	4x2	80	12
MP1G8REB9X7E	100x65	4x2½	80	12
MP1G8REB9X8E	100x80	4x3	80	12
MP1G8REBEXSE	200x150	8x6	80	2



Reducing Bush

MP1G8RED2X1E	20x15	¾x½	80	100
MP1G8RED3X1E	25x15	1x½	80	100
MP1G8RED3X2E	25x20	1x¾	80	90
MP1G8RED4X2E	32x20	1¼x¾	80	60
MP1G8RED4X3E	32x25	1¼x1	80	50
MP1G8RED5X3E	40x25	1½x1	80	60
MP1G8RED5X4E	40x32	1½x1¼	80	40
MP1G8RED6X4E	50x32	2x1¼	80	25
MP1G8RED6X5E	50x40	2x1½	80	25
MP1G8RED7X2E	65x20	2½x¾	80	20
MP1G8RED7X4E	65x32	2½x1¼	80	20
MP1G8RED7X6E	65x50	2½x2	80	15
MP1G8RED8X6E	80x50	3x2	80	16
MP1G8RED8X7E	80x65	3x2½	80	10
MP1G8RED9X6E	100x50	4x2	80	6
MP1G8RED9X8E	100x80	4x3	80	12
MC1P8REDEXSE	200x150	8x6	80	2



Reducer

FPG8RED026EW	32x15	1¼x½	80	
FPG8RED028EW	40x15	1½x½	80	
FPG8RED029EW	40x20	1½x¾	80	
FPG8RED031EW	50x15	2x½	80	
FPG8RED030EW	50x20	2x¾	80	
FPG8RED024EW	50x25	2x1	80	
FPG8RED009EW	65x40	2½x1½	80	
FPG8RED011EW	100x65	4x2½	80	
FPG8RED013EW	150x100	6x4	80	



Reducer (F)

1 Mpa = 10 Kgf/cm², 1 Kgf/cm² = 14.20 psi. Pipes and fittings are offered in off white (OW) colour. F - Fabricated, SCH - Schedule (Pressure class)

Item Code	Size in mm	Size in inch	SCH	Box Qty.		Item Code	Size in mm	Size in inch	SCH	Box Qty.		
MP1G8ECP001E	15	½	80	350	 End Cap (Plain)	MP1G8MTA001E	15	½	80	600	 Male Threaded Adapter M.T.A. (Plastic)	
MP1G8ECP002E	20	¾	80	240		MP1G8MTA002E	20	¾	80	200		
MP1G8ECP003E	25	1	80	120		MP1G8MTA003E	25	1	80	240		
MP1G8ECP004E	32	1¼	80	75		MP1G8MTA004E	32	1¼	80	80		
MP1G8ECP005E	40	1½	80	60		MP1G8MTA005E	40	1½	80	54		
MP1G8ECP006E	50	2	80	40		MP1G8MTA006E	50	2	80	24		
MP1G8ECP007E	65	2½	80	20		MP1G8MTA007E	65	2½	80	15		
MP1G8ECP008E	80	3	80	16		MP1G8MTA008E	80	3	80	12		
MP1G8ECP009E	100	4	80	8		MP1G8MTA009E	100	4	80	12		
MP1G8ECP010E	150	6	80	5		FPG8MTA006EW	150 (F)	6	80	L		
	200 (F)	8	80	L		FPG8MTA008EW	200 (F)	8	80	L		
MP1G8ECT001E	15	½	80	1000	 End Cap (Threaded)	MP1G4FTA001E	15	½	40	300	 Female Threaded Adapter F.T.A. (Plastic)	
MP1G8ECT002E	20	¾	80	600		MP1G4FTA002E	20	¾	40	200		
MP1G8ECT003E	25	1	80	400		MP1G4FTA003E	25	1	40	150		
MP1G8ECT004E	32	1¼	80	225		MP1G4FTA004E	32	1¼	40	150		
MP1G8ECT005E	40	1½	80	150		MP1G4FTA005E	40	1½	40	80		
MP1G8ECT006E	50	2	80	100		MP1G4FTA006E	50	2	40	60		
NP1G4UNI001E	15	½	40	140	 Union	MP1G8FTA001E	15	½	80	550		
NP1G4UNI002E	20	¾	40	100		MP1G8FTA002E	20	¾	80	140		
NP1G4UNI003E	25	1	40	60		MP1G8FTA003E	25	1	80	100		
NP1G4UNI004E	32	1¼	40	35		MP1G8FTA004E	32	1¼	80	60		
NP1G4UNI005E	40	1½	40	25		MP1G8FTA005E	40	1½	80	45		
NP1G4UNI006E	50	2	40	15		MP1G8FTA006E	50	2	80	25		
NP1G8UNI001E	15	½	80	40	 Union	MP1G8FTA007E	65	2½	80	12		
NP1G8UNI002E	20	¾	80	60		MP1G8FTA008E	80	3	80	12		
NP1G8UNI003E	25	1	80	30		MP1G8FTA009E	100	4	80	4		
NP1G8UNI004E	32	1¼	80	25		FPG8FTA006EW	150 (F)	6	80	L		
NP1G8UNI005E	40	1½	80	15		FPG8FTA008EW	200 (F)	8	80	L		
NP1G8UNI006E	50	2	80	10		 Female Threaded Tee (Brass)	MP2G8FTT001E	15	½	80	90	
NP1G8UNI007E	65	2½	80	6			MP2G8FTT002E	20	¾	80	50	
NP1G8UNI008E	80	3	80	3			MP2G8FTT3X3E	25	1	80	16	
NP1G8UNI009E	100	4	80	2			MP2G8FTT2X1E	20x15	¾x½	80	50	
							MP2G8FTT3X1E	25x15	1x½	80	30	
					MP2G8FTT3X2E		25x20	1x¾	80	30		
					MP2G8FTT4X1E		32x15	1¼x½	80	10		
					MP2G8FTT4X2E		32x20	1¼x¾	80	10		
					MP2G8FTT5X2E		40x20	1½x¾	80	16		
MP1G8FTE001E	15	½	80	150	 Female Threaded Elbow (Plastic)	MP2G8FTE001E	15	½	80	120	 Female Threaded Elbow (Brass)	
MP1G8FTE002E	20	¾	80	100		MP2G8FTE002E	20	¾	80	60		
MP1G8FTE003E	25	1	80	60		MP2G8FTE3X3E	25	1	80	20		
MP1G8FTE004E	32	1¼	80	36		MP2G8FTE004E	32	1¼	80	10		
MP1G8FTE005E	40	1½	80	25		MP2G8FTE2X1E	20x15	¾x½	80	80		
MP1G8FTE006E	50	2	80	16		MP2G8FTE3X1E	25x15	1x½	80	60		
MP1G8FTE009E	100	4	80	4		MP2G8FTE3X2E	25x20	1x¾	80	50		
MP1G8FTT001E	15	½	80	100	 Female Threaded Tee (Plastic)	MP2G8MTA001E	15	½	80	100		 Male Threaded Adapter M.T.A. (Brass)
MP1G8FTT002E	20	¾	80	60		MP2G8MTA002E	20	¾	80	80		
MP1G8FTT003E	25	1	80	40		MP2G8MTA003E	25	1	80	50		
MP1G8FTT004E	32	1¼	80	25		MP2G8MTA4X4E	32	1¼	80	30		
MP1G8FTT005E	40	1½	80	16		MP2G8MTA5X5E	40	1½	80	25		
MP1G8FTT006E	50	2	80	9		MP2G8MTA006E	50	2	80	6		
MP1G8FTT009E	100	4	80	4		MP2G8MTA007E	65	2½	80	12		
MP1G8FTT2X1E	20x15	¾x½	80	80	MP2G8MTA008E	80	3	80	3			
MP1G4MTA001E	15	½	40	400	 Male Threaded Adapter M.T.A. (Plastic)	MP2G8MTA2X1E	20x15	¾x½	80	100		
MP1G4MTA002E	20	¾	40	250		MP2G8MTA3X1E	25x15	1x½	80	80		
MP1G4MTA003E	25	1	40	120		MP2G8MTA3X2E	25x20	1x¾	80	30		
MP1G4MTA004E	32	1¼	40	160		MP2G8MTA4X3E	32x25	1¼x1	80	20		
MP1G4MTA005E	40	1½	40	100		MP2G8MTA5X4E	40x32	1½x1¼	80	10		
MP1G4MTA006E	50	2	40	60								

1 Mpa = 10 Kgf/cm², 1 Kgf/cm² = 14.20 psi. Pipes and fittings are offered in off white (OW) colour. F - Fabricated, SCH - Schedule (Pressure class).

Item Code	Size in mm	Size in inch	SCH	Box Qty.		Item Code	Size in mm	Size in inch	SCH	Box Qty.	
MP2G8FTA001E	15	1/2	80	140	 <p>Female Threaded Adapter F.T.A. (Brass)</p>	NP2G8YST003E	25	1	80	20	 <p>Y-Strainer</p>
MP2G8FTA002E	20	3/4	80	80		NP2G8YST004E	32	1 1/4	80	6	
MP2G8FTA003E	25	1	80	60		NP2G8YST005E	40	1 1/2	80	3	
MP2G8FTA004E	32	1 1/4	80	30		NP2G8YST006E	50	2	80	2	
MP2G8FTA5X5E	40	1 1/2	80	30							
MP2G8FTA006E	50	2	80	6							
MP2G8FTA2X1E	20x15	3/4x1/2	80	120							
MP2G8FTA3X1E	25x15	1x1/2	80	80							
MP2G8FTA3X2E	25x20	1x3/4	80	75							
NP2G8BLV001E	15	1/2	80	16	 <p>Ball Valve</p>						
NP2G8BLV002E	20	3/4	80	16							
NP2G8BLV003E	25	1	80	14							
NP2G8BLV004E	32	1 1/4	80	4							
NP2G8BLV005E	40	1 1/2	80	4							
NP2G8BLV006E	50	2	80	2							
NP1G8BVP001E	15	1/2	80	40	 <p>Ball Valve (Plastic)</p>	NP2G8AGC003E	25	1	80	6	 <p>Angle Cock</p>
NP1G8BVP002E	20	3/4	80	32							
NP1G8BVP003E	25	1	80	28							
NP1G8BVP004E	32	1 1/4	80	24							
NP1G8BVP005E	40	1 1/2	80	16							
NP1G8BVP006E	50	2	80	16							
NP2G8BLV007E	65	2 1/2	80	1	 <p>Ball Valve</p>	MP1G8PCL001E	15	1/2	80	900	 <p>Pipe Clip (Plastic)</p>
NP2G8BLV008E	80	3	80	1		MP1G8PCL002E	20	3/4	80	600	
NP2G8BLV009E	100	4	80	1		MP1G8PCL003E	25	1	80	400	
					MP1G8PCL004E	32	1 1/4	80	200		
					MP1G8PCL005E	40	1 1/2	80	150		
					MP1G8PCL006E	50	2	80	100		
MP1G8CTP001E	15	1/2	80	270	 <p>Circuit Testing Plug</p>	MP1G8FLA003E	25	1	80	30	 <p>Flange Adapter</p>
MP1G8CTP002E	20	3/4	80	80		MP1G8FLA005E	40	1 1/2	80	20	
FPG8CTP003EW	25	1 (F)	80	75		MP1G8FLA006E	50	2	80	10	
FPG8CTP004EW	32	1 1/4 (F)	80	50		MP1G8FLA007E	65	2 1/2	80	6	
FPG8CTP005EW	40	1 1/2 (F)	80	25		MP1G8FLA008E	80	3	80	5	
FPG8CTP006EW	50	2 (F)	80	9		MP1G8FLA009E	100	4	80	8	
					MP1G8FLA010E	150	6	80	3		
MP1G8CRP001E	15	1/2	80	300	 <p>Circuit Testing Plug (N)</p>	MP2G8FAM007E	65	2 1/2	80	6	 <p>Flange Adapter (with metal bush)</p>
						MP2G8FAM008E	80	3	80	5	
					MP2G8FAM009E	100	4	80	6		
					MP2G8FAM010E	150	6	80	3		
NP2G8CVF003E	25	1	80	10	 <p>Concealed Valve</p>	NP1G8FVS004E	32	1 1/4	80	24	 <p>Flange Van Stone Style</p>
						NP1G8FVS007E	65	2 1/2	80	6	
						NP1G8FVS008E	80	3	80	5	
						NP1G8FVS009E	100	4	80	8	
						NP1G8FVS011E	200	8	80	2	
NP2G8STH003E	25	1	80	10	 <p>Screw Tap with Handwheel</p>	MP1G8BFL007E	65	2 1/2	80	12	 <p>Blind Flange</p>
						MP1G8BFL008E	80	3	80	10	
						MP1G8BFL009E	100	4	80	3	

1 Mpa = 10 Kgf/cm², 1 Kgf/cm² = 14.20 psi. Pipes and fittings are offered in off white (OW) colour. F - Fabricated, SCH - Schedule (Pressure class)
*Marked fittings will be shortly introduced.

Item Code	Size in mm	Size in inch	SCH	Box Qty.
MP1G8HNP001E	15	½	80	400
MP1G8HNP002E	20	¾	80	225
MP1G8HNP003E	25	1	80	140
MP1G8HNP004E	32	1¼	80	80
MP1G8HNP005E	40	1½	80	60
MP1G8HNP006E	50	2	80	40



Hex Nipple

MP1G8TPG001E	15	½	80	800
MP1G8TPG002E	20	¾	80	270
MP1G8TPG003E	25	1	80	120
MP1G8TPG004E	32	1¼	80	100
FPG8TPG002EW	40	1½ (F)	80	
FPG8TPG006EW	50	2 (F)	80	75
FPG8TPG007EW	65	2½ (F)	80	10
FPG8TPG008EW	80	3 (F)	80	8
FPG8TPG009EW	100	4 (F)	80	5



Threaded Plug

NP2G4TAV001E	15	½	40	30
NP2G4TAV002E	20	¾	40	25
NP2G4TAV003E	25	1	40	30



Tank Air Vent

NP7ATARV020B	20	¾		24
NP7ATARV025B	25	1		18
NP7ATARV025B	32	1¼		12



Air Release Valve

4100528	25	¾	80	24
4100524	32	1	80	12
4100526	40	1¼	80	12
4100525	50	1½	80	12
4100527	63	2	80	12



Swing Check Valve

*65	2½	80	
*80	3	80	
*100	4	80	



Non Return Valve (NRV)

NP1G8TCR001E	15	½	80	100
NP1G8TCR002E	20	¾	80	80
NP1G8TCR003E	25	1	80	50
NP1G8TCR004E	32	1¼	80	30
NP1G8TCR005E	40	1½	80	25



Tank Connector (MT/FT)

NP1G8TCS003E	25	1	80	120
NP1G8TCS004E	32	1¼	80	25



Tank Connector (MT/Soc)

Item Code	Size in mm	Size in inch	SCH	Box Qty.
FPG8TCR006EW	50	2	80	13



Tank Connector (MT/MT) (F)

NP1G8TCL001E	15	½	80	80
NP1G8TCL002E	20	¾	80	150
NP1G8TCL003E	25	1	80	100
NP1G8TCL004E	32	1¼	80	50
NP1G8TCL005E	40	1½	80	40
FPG8TCL006EW	50 (F)	2	80	9



Tank Connector Long (MT/Spg)

FPG8RTC001EW	50	2	80	25
FPG8RTC002EW	65	2½	80	20
FPG8RTC003EW	80	3	80	15
FPG8RTC004EW	100	4	80	10



Tank Connector (for R.C.C. tank) (MTxSpg) (F)

FPG8BNT001EW	15	½	80	75
FPG8BNT002EW	20	¾	80	40
FPG8BNT003EW	25	1	80	25
FPG8BNT004EW	32	1¼	80	20
FPG8BNT005EW	40	1½	80	15
FPG8BNT006EW	50	2	80	10
FPG8BNT007EW	65	2½	80	9
FPG8BNT008EW	80	3	80	9
FPG8BNT009EW	100	4	80	7
FPG8BNT010EW	150	6	80	L



Bend 90° (Threaded) (F)

FPG8BNS001EW	15	½	80	75
FPG8BNS002EW	20	¾	80	40
FPG8BNS003EW	25	1	80	25
FPG8BNS004EW	32	1¼	80	20
FPG8BNS005EW	40	1½	80	15
FPG8BNS006EW	50	2	80	10
FPG8BNS007EW	65	2½	80	9
FPG8BNS008EW	80	3	80	9
FPG8BNS009EW	100	4	80	4
FPG8BNS010EW	150	6	80	L
FPG8BNS011EW	200	8	80	L



Bend 90° (SW) (F)

FPG8BPB007EW	15	½	80	75
FPG8BPB008EW	20	¾	80	50
FPG8BPB009EW	25	1	80	35
FPG8BPB010EW	32	1¼	80	30
FPG8BPB011EW	40	1½	80	25
FPG8BPB012EW	50	2	80	15



Bypass Bend (F)

1 Mpa = 10 Kgf/cm², 1 Kgf/cm² = 14.20 psi. Pipes and fittings are offered in off white (OW) colour. F - Fabricated, SCH - Schedule (Pressure class)
*Marked fittings will be shortly introduced.

Item Code	Size in mm	Size in inch	SCH	Box Qty.
FPG8OSB002EW	15	1/2	80	75
FPG8OSB001EW	20	3/4	80	50
FPG8OSB003EW	25	1	80	35
FPG8OSB004EW	32	1 1/4	80	30



FPG8MTN001EW	15x100	1/2x4	80	200
FPG8MTN002EW	20x100	3/4x4	80	125
FPG8MTN003EW	25x100	1x4	80	65
FPG8MTN004EW	32x100	1 1/4x4	80	40
FPG8MTN005EW	40x100	1 1/2x4	80	30
FPG8MTN006EW	50x100	2x4	80	25
FPG8MTN008EW	15x150	1/2x6	80	125
FPG8MTN009EW	20x150	3/4x6	80	100
FPG8MTN010EW	25x150	1x6	80	50
FPG8MTN011EW	32x150	1 1/4x6	80	35
FPG8MTN014EW	40x150	1 1/2x6	80	30
FPG8MTN012EW	50x150	2x6	80	20
FPG8MTN007EW	65x150	2 1/2x6	80	15
FPG8MTN013EW	80x150	3x6	80	10
FPG8MTN015EW	100x150	4x6	80	8



FPG8FTN001EW	15x100	1/2x4	80	150
FPG8FTN002EW	20x100	3/4x4	80	125
FPG8FTN003EW	25x100	1x4	80	65
FPG8FTN004EW	32x100	1 1/4x4	80	40
FPG8FTN005EW	40x100	1 1/2x4	80	30
FPG8FTN006EW	50x100	2x4	80	25
FPG8FTN008EW	15x150	1/2x6	80	100
FPG8FTN009EW	20x150	3/4x6	80	75
FPG8FTN010EW	25x150	1x6	80	40
FPG8FTN011EW	32x150	1 1/4x6	80	30
FPG8FTN012EW	40x150	1 1/2x6	80	25
FPG8FTN007EW	50x150	2x6	80	18
FPG8FTN015EW	65x150	2 1/2x6	80	15
FPG8FTN014EW	80x150	3x6	80	10
FPG8FTN013EW	100x150	4x6	80	8



FPG8NP4001EW	15	1/2	80
FPG8NP4002EW	20	3/4	80
FPG8NP4003EW	25	1	80
FPG8NP4004EW	32	1 1/4	80
FPG8NP4005EW	40	1 1/2	80
FPG8NP4006EW	50	2	80
FPG8NP4007EW	65	2 1/2	80
FPG8NP4008EW	100	4	80



From 15 to 50mm (1/2" to 2") sizes these are available in 80 to 300mm (3", 4", 6", 7", 8", 9" & 12") standard length. 65 to 100mm (2 1/2" to 4") sizes are available in 150mm (6") standard length.

Item Code	Size in mm	Size in inch	SCH	Box Qty.
MA2G8CHT123B				75



1602606				
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4100351	15	1/2		
4100352	20	3/4		
4100353	25	1		
4100354	32	1 1/4		
4100355	40	1 1/2		
4100356	50	2		
4100357	65	2 1/2		
4100358	80	3		
4100359	100	4		
4100350	150	6		



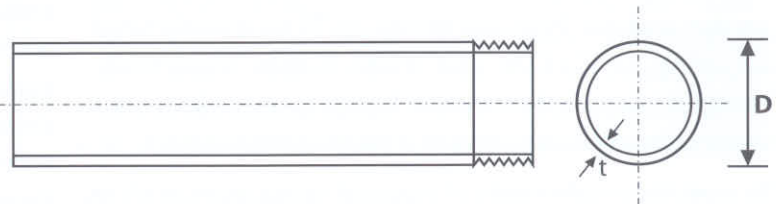
4100462	15	1/2		
4100463	20	3/4		
4100464	25	1		
4100465	32	1 1/4		
4100466	40	1 1/2		
4100467	50	2		
4100468	65	2 1/2		



1 Mpa = 10 Kgf/cm², 1 Kgf/cm² = 14.20 psi. Pipes and fittings are offered in off white (OW) colour. F - Fabricated, SCH - Schedule (Pressure class).

High Pressure uPVC Threaded Pipes

These pipes are manufactured as per ASTM D-1785 standards and are available in SCH 40, 80 and 120 pressure classes. These pipes are generally used for plumbing, water supply and for lowering jet pumps in the borewells. These pipes are not recommended to use with aqua Gold[®] fittings. ASTM threaded pipes are 40-50% cheaper than GI pipes and offer all advantages of aqua Gold[®] pipes. Dimensions and pressure ratings of these pipes are given in the table below.



Dimensions and water pressure rating at 23°C for pipes as per ASTM D-1785 threaded as per IS:554 (PVC compound grade equivalent to PVC 1120/2120)

Nominal size		Outside diameter (D) in mm	Schedule 40		Schedule 80			Schedule 120		
mm	inch		Wall thickness (t) in mm	Working pressure kgf/cm ² psi	Wall thickness (t) in mm	Working pressure kgf/cm ² psi	Wall thickness (t) in mm	Working pressure kgf/cm ² psi	Working pressure kgf/cm ² psi	
15	½	21.34 ± 0.10	2.77 + 0.51	20.7 300	3.73 + 0.51	29.0 420	4.32 + 0.51	35.2 510		
20	¾	26.67 ± 0.10	2.87 + 0.51	16.5 240	3.91 + 0.51	23.4 340	4.32 + 0.51	26.9 390		
25	1	33.40 ± 0.13	3.38 + 0.51	15.5 225	4.55 + 0.53	22.1 320	5.08 + 0.61	24.8 360		
32	1¼	42.16 ± 0.13	3.56 + 0.51	12.7 185	4.85 + 0.58	17.9 260	5.46 + 0.66	20.7 300		
40	1½	48.26 ± 0.15	3.68 + 0.51	11.4 165	5.08 + 0.61	16.5 240	5.72 + 0.68	18.6 270		
50	2	60.32 ± 0.15	3.91 + 0.51	09.6 140	5.54 + 0.66	13.8 200	6.35 + 0.76	16.5 240		
#65	2½	75.20 ± 0.10	5.16 + 0.61	10.3 150	7.01 + 0.48	14.5 210	7.62 + 0.91	15.9 230		
80	3	88.90 ± 0.20	5.49 + 0.66	08.9 130	7.62 + 0.91	13.1 190	8.89 + 1.07	15.2 220		
100	4	114.30 ± 0.23	6.02 + 0.71	07.6 110	8.56 + 1.02	11.0 160	11.10 + 1.32	15.2 220		
125	5	141.30 ± 0.25	6.55 + 0.79	06.5 90	9.52 + 1.14	09.7 140	12.70 + 1.52	13.7 200		
150	6	168.28 ± 0.28	7.11 + 0.86	06.5 90	10.97 + 1.32	09.7 140	14.27 + 1.70	13.1 190		
200	8	219.08 ± 0.38	8.18 + 0.99	05.5 80	12.70 + 1.52	08.3 120	--	--	--	

1 Mpa = 10 Kgf/cm², 1 Kgf/cm² = 14.20 psi

Note: Pressure rating of the pipes in threaded conditions reduces to half compared to unthreaded (aqua Gold[®]) pipes. These pipes are not recommended for solvent weld joints. #65mm (2½") pipe dimensions are as per company standards.

THE SYSTEM

Supreme Lifeline® C-PVC, manufactured using world's best Japanese material and technology, is an ideal solution for hot and cold water usage. This system is one of the best substitutes for GI piping in water supply and distribution and for industrial applications. The pipes and fittings are made of chlorinated polyvinyl chloride and available in complete range from 15 to 50mm dia (½" to 2") as per copper tube sizes (CTS). The pipes are available in SDR 11 and SDR 13.5 whereas fittings are available in SDR 11 class. Pipes and most running fittings in SDR 9 i.e., heavy pressure class in 20 and 25mm dia (¾" and 1") are also available. Pipes and fittings in CTS are manufactured according to IS:15778 and ASTM D-2846 respectively. Threaded inserts in the transition fittings are made from brass to withstand chemical corrosion at elevated temperatures.

To meet the requirements of industrial sector, pipes in 65 to 250mm dia (2½" to 10") and fittings in 65 to 200mm dia (2½" to 8") are also available in IPS (Iron Pipe Size). The pipes are available in SCH 40 and SCH 80 as per ASTM F441 whereas fittings are available in SCH 40 and SCH 80 as per ASTM F438 and F 439 respectively. The choice of the raw material, the structural accuracy and the strict quality control imparts a high degree of reliability to Supreme Lifeline® C-PVC. Lifeline® is the most suitable, easy and economic solution for transportation and distribution of potable water. It is technically much superior, cost effective and offers many advantages over GI and other conventional systems. It is approved by MCGM.

Fields of application

Lifeline® C-PVC is designed for hot and cold water supply in residential, commercial and public projects, high and low rise buildings, corporate houses and academic institutes, solar heater applications etc.

FEATURES AND BENEFITS

High quality and wide range - The system consists of pipes and a wide range of fittings with Company manufactured, NSF approved international quality solvent cements, which makes the system complete in all respect.

Excellent resistance to corrosion and chemical attacks - Lifeline® is completely free from corrosion and offers excellent resistance to great number of chemicals like strong mineral acids and bases.

Most suitable for carrying potable water - Being free from corrosion as also negative biological effects and does not break down even under the harshest water conditions, it does not let the quality of water deteriorates.

Light weight, easy and quick assembly - Light weight and simple solvent cement jointing methods results in extensive saving on time, labour and costs.

Tough and rigid material - C-PVC has a much higher strength modulus than other thermoplastics used in plumbing applications. Due to its tough and rigid material property, Lifeline® can withstand higher pressure and temperatures. It requires lesser supports with minimum offsets/looping.

Leak proof joints - Jointing with special solvent cement manufactured and supplied by the Company ensures 100% leak proof joints.

Low thermal expansion - As co-efficient of thermal expansion is low, expansion due to temperature variations is reduced and hence unsightly snaking of pipes can be avoided.

Superior insulation properties - Lifeline® has better insulation properties than metal pipes which reduces heat loss and consequent insulation costs.

Fire resistance - Lifeline® C-PVC does not support combustion.

Maintenance free - Being free from rusting, pitting or scaling and galvanic or electrolytic corrosion, maintenance is minimal.

Highly economical in long run - This system is more cost effective than any other plumbing system in the long run.



PIPES

Pipe dimensions and pressure rating chart as per IS:15778 (CTS series)

Nominal size		Outer diameter (mm)		SDR - 9 (company standard)				SDR - 11				SDR - 13.5			
				Wall thickness (mm)		Working pressure at		Wall thickness (mm)		Working pressure at		Wall thickness (mm)		Working pressure at	
mm	inch	Min	Max	Min	Max	27°C	82°C	Min	Max	27°C	82°C	Min	Max	27°C	82°C
15	½	15.8	16.0	-	-	-	-	1.70	2.20	27.60	6.80	1.40	1.90	21.80	5.50
20	¾	22.1	22.3	2.50	3.00	35.20	8.80	2.00	2.50	27.60	6.80	1.70	2.20	21.80	5.50
25	1	28.5	28.7	3.20	3.80	35.20	8.80	2.60	3.10	27.60	6.80	2.10	2.60	21.80	5.50
32	1¼	34.8	35.0	-	-	-	-	3.20	3.70	27.60	6.80	2.60	3.10	21.80	5.50
40	1½	41.2	41.4	-	-	-	-	3.80	4.30	27.60	6.80	3.10	3.60	21.80	5.50
50	2	53.9	54.1	-	-	-	-	4.90	5.50	27.60	6.80	4.00	4.60	21.80	5.50

Pipe dimensions and pressure rating chart as per ASTM F-441 (IPS series)

Nominal size		Outer diameter (mm)		Schedule 40				Schedule 80			
				Wall thickness (mm)		Working pressure at		Wall thickness (mm)		Working pressure at	
mm	inch	Min	Max	Min	Max	27°C	82°C	Min	Max	27°C	82°C
65	2½	72.84	73.20	5.16	5.77	20.70	5.20	7.01	7.85	29.00	7.20
80	3	88.70	89.10	5.49	6.15	17.90	4.50	7.62	8.53	25.50	6.20
100	4	114.07	114.53	6.02	6.73	15.20	3.80	8.56	9.58	22.10	5.50
150	6	168.02	168.58	7.11	7.97	12.40	3.10	10.97	12.29	19.30	4.80
200	8	218.72	219.48	8.18	9.17	11.00	2.80	12.70	14.22	17.20	4.10
250	10	272.72	273.48	9.27	10.39	9.70	2.40	15.06	16.86	15.19	3.80

Note: When connected to gas water heater, C-PVC should not be located within 50cm of the flue. For water heaters lacking reliable temperature control, this distance may be increased up to 1m. A metal nipple or flexible appliance connector should be utilized.

FITTINGS

Item Code	Size in mm	Size in inch	SDR/SCH	Box Qty.	Item Code	Size in mm	Size in inch	SDR/SCH	Box Qty.
MC1P9CPL002I	20	¾	9	600	MC1P9ELB002I	20	¾	9	400
MC1P9CPL003I	25	1	9	300	MC1P9ELB003I	25	1	9	200
MC1P1CPL001I	15	½	11	150	MC1P1ELB001I	15	½	11	400
MC1P1CPL002I	20	¾	11	600	MC1P1ELB002I	20	¾	11	400
MC1P1CPL003I	25	1	11	300	MC1P1ELB003I	25	1	11	200
MC1P1CPL004I	32	1¼	11	80	MC1P1ELB004I	32	1¼	11	40
MC1P1CPL005I	40	1½	11	55	MC1P1ELB005I	40	1½	11	25
MC1P1CPL006I	50	2	11	20	MC1P1ELB006I	50	2	11	15
MC1P4CPL007I	65	2½	40	15	MC1P4ELB007I	65	2½	40	8
MC1P4CPL008I	80	3	40	10	MC1P4ELB008I	80	3	40	10
MC1P4CPL009I	100	4	40	9	MC1P4ELB009I	100	4	40	5
MC1P8CPL007I	65	2½	80	15	MC1P8ELB007I	65	2½	80	8
MC1P8CPL008I	80	3	80	8	MC1P8ELB008I	80	3	80	10
MC1P8CPL009I	100	4	80	9	MC1P8ELB009I	100	4	80	4
MC1P8CPL010I	150	6	80	3	MC1P8ELB010I	150	6	80	2
MC1P8CPL011I	200	8	80	3	MC1P8ELB011I	200	8	80	1



Coupler



Elbow 90°

Pipes and fitting offered upto 50mm (2") are as per CTS standards where as 65 to 200mm (2½" to 8") are in SCH 40 & 80 which are as per IPS pipe size (inch series like aqua Gold®). SCH-Schedule (Pressure class), SDR-Standard dimension ratio (Pressure class)

Item Code	Size in mm	Size in inch	SDR/SCH	Box Qty.
MC1P1BDF001I	15	1/2	11	330
MC1P1BDF002I	20	3/4	11	225
MC1P1BDF003I	25	1	11	100
MC1P1BDF004I	32	1 1/4	11	60
MC1P1BDF005I	40	1 1/2	11	30
MC1P1BDF006I	50	2	11	15
MC1P8BDF007I	65	2 1/2	80	10
MC1P8BDF008I	80	3	80	6
MC1P8BDF009I	100	4	80	2



Elbow 45°

MC1P1REL2X1I	20x15	3/4x1/2	11	200
MC1P1REL3X1I	25x15	1x1/2	11	150
MC1P1REL3X2I	25x20	1x3/4	11	100
MC1P1REL4X2I	32x20	1 1/4x3/4	11	70
MC1P1REL5X2I	40x20	1 1/2x3/4	11	50
MC1P1REL5X3I	40x25	1 1/2x1	11	50



Reducing Elbow

MC1P9TEE002I	20	3/4	9	300
MC1P9TEE003I	25	1	9	120
MC1P1TEE001I	15	1/2	11	300
MC1P1TEE002I	20	3/4	11	300
MC1P1TEE003I	25	1	11	150
MC1P1TEE004I	32	1 1/4	11	30
MC1P1TEE005I	40	1 1/2	11	50
MC1P1TEE006I	50	2	11	10
MC1P4TEE007I	65	2 1/2	40	5
MC1P4TEE008I	80	3	40	8
MC1P4TEE009I	100	4	40	3
MC1P8TEE007I	65	2 1/2	80	5
MC1P8TEE008I	80	3	80	7
MC1P8TEE009I	100	4	80	3
MC1P8TEE010I	150	6	80	2
MC1P8TEE011I	200	8	80	1



Equal Tee

MC1P1RTE2X1I	20x15	3/4x1/2	11	60
MC1P1RTE3X1I	25x15	1x1/2	11	60
MC1P1RTE3X2I	25x20	1x3/4	11	60
MC1P1RTE4X2I	32x20	1 1/4x3/4	11	40
MC1P1RTE4X3I	32x25	1 1/4x1	11	40
MC1P1RTE5X2I	40x20	1 1/2x3/4	11	35
MC1P1RTE5X3I	40x25	1 1/2x1	11	25
MC1P1RTE5X4I	40x32	1 1/2x1 1/4	11	25
MC1P1RTE6X1I	50x15	2x1/2	11	15
MC1P1RTE6X2I	50x20	2x3/4	11	15
MC1P1RTE6X3I	50x25	2x1	11	15
MC1P1RTE6X4I	50x32	2x1 1/4	11	12
MC1P1RTE6X5I	50x40	2x1 1/2	11	12
MC1P8RTE7X4I	65x32	2 1/2x1 1/4	80	8
MC1P8RTE7X5I	65x40	2 1/2x1 1/2	80	6
MC1P8RTE7X6I	65x50	2 1/2x2	80	6
MC1P8RTE8X6I	80x50	3x2	80	3
MC1P8RTE9X3I	100x25	4x1	80	6
MC1P8RT10X8I	150x80	6x3	80	2



Reducing Tee

MC1P81RT7X3I	65x25	2 1/2x1	11/80	6
MC1P81RT7X4I	65x32	2 1/2x1 1/4	11/80	8
MC1P81RT7X5I	65x40	2 1/2x1 1/2	11/80	8
MC1P81RT7X6I	65x50	2 1/2x2	11/80	5
MC1P81RT8X6I	80x50	3x2	11/80	4
MC1P81RT9X3I	100x25	4x1	11/80	8
MC1P81RT9X6I	100x50	4x2	11/80	6



Reducing Tee (IPS x CTS)

Item Code	Size in mm	Size in inch	SDR/SCH	Box Qty.
FCP0RET020EW	32x15	1 1/4x1/2	11	
FCP0RET025EW	40x15	1 1/2x1/2	11	
FCP0RET014EW	65x20	2 1/2x3/4	80	
FCP0RET021EW	80x25	3x1	80	
FCP0RET022EW	80x32	3x1 1/4	80	
FCP0RET017EW	80x40	3x1 1/2	80	
FCP0RET012EW	80x65	3x2 1/2	80	
FCP0RET032EW	100x32	4x1 1/4	80	
FCP0RET018EW	100x40	4x1 1/2	80	
FCP0RET023EW	100x65	4x2 1/2	80	
FCP0RET024EW	100x80	4x3	80	



Reducing Tee (F)

MC1P1CRT001I	15	1/2	11	50
MC1P1CRT002I	20	3/4	11	100
MC1P1CRT003I	25	1	11	120
MC1P1CRT004I	32	1 1/4	11	60



Cross Tee

NC1P1UNI001I	15	1/2	11	30
NC1P1UNN002I	20	3/4	11	80
NC1P1UNC002I	20 (new)	3/4	11	50
NC1P1UNI003I	25	1	11	60
NC1P1UNI004I	32	1 1/4	11	30
NC1P1UNI005I	40	1 1/2	11	20
NC1P1UNI006I	50	2	11	10
NC1P1UNI007I	65	2 1/2	80	6
NC1P1UNI008I	80	3	80	3
NC1P1UNI009I	100	4	80	2



Union

MC1P9RED3X2I	25x20	1x3/4	9	120
MC1P1RED2X1I	20x15	3/4x1/2	11	300
MC1P1RED3X1I	25x15	1x1/2	11	200
MC1P1RED3X2I	25x20	1x3/4	11	120
MC1P1RED4X1I	32x15	1 1/4x1/2	11	40
MC1P1RED4X2I	32x20	1 1/4x3/4	11	120
MC1P1RED4X3I	32x25	1 1/4x1	11	100
MC1P1RED5X2I	40x20	1 1/2x3/4	11	70
MC1P1RED5X3I	40x25	1 1/2x1	11	80
MC1P1RED5X4I	40x32	1 1/2x1 1/4	11	50
MC1P1RED6X3I	50x25	2x1	11	40
MC1P1RED6X4I	50x32	2x1 1/4	11	35
MC1P1RED6X5I	50x40	2x1 1/2	11	30
MC1P8RED8X7I	80x65	3x2 1/2	80	10
MC1P8RED9X7I	100x65	4x2 1/2	80	4
MC1P8RED9X8I	100x80	4x3	80	12
MC1P8REDSX9I	150x100	6x4	80	5
MC1P8REDEXS I	200x150	8x6	80	2



Reducer

MC1P81RD7X2I	65x20	2 1/2x3/4	11/80	20
MC1P81RD7X4I	65x32	2 1/2x1 1/4	11/80	20
MC1P88RD8X6I	80x50	3x2	11/80	12
MC1P81RD9X6I	100x50	4x2	11/80	6



Reducer (IPS x CTS)

Pipes and fitting offered upto 50mm (2") are as per CTS standards where as 65 to 200mm (2 1/2" to 8") are in SCH 40 & 80 which are as per IPS pipe size (inch series like aqua Gold®). SCH-Schedule (Pressure class), SDR-Standard dimension ratio (Pressure class), F-Fabricated.

Item Code	Size in mm	Size in inch	SDR/ SCH	Box Qty.
FCP0RED003EW	40x20	1½x¾	11	
	50x15	2x½	11	
FCP0RED002EW	50x20	2x¾	11	
FCP0RED004EW	65x40	2½x1½	80	
FCP0RED005EW	65x50	2½x2	80	
FCP0RED015EW	80x40	3x1½	80	
FCP0RED016EW	80x50	3x2	80	
FCP0RED017EW	100x65	4x2½	80	



Reducer (F)

Item Code	Size in mm	Size in inch	SDR/ SCH	Box Qty.
MC1P1ECP001I	15	½	11	600
MC1P1ECP002I	20	¾	11	400
MC1P1ECP003I	25	1	11	240
MC1P1ECP004I	32	1¼	11	150
MC1P1ECP005I	40	1½	11	90
MC1P1ECP006I	50	2	11	30
MC1P8ECP007I	65	2½	80	20
MC1P8ECP008I	80	3	80	12
MC1P8ECP009I	100	4	80	8



End Cap

Item Code	Size in mm	Size in inch	SDR/ SCH	Box Qty.
MC1P81RB7X6I	65x50	2½x2	11/80	30
FGP8REB031EW	80x25	3x1 (F)	11/80	
FGP8REB030EW	80x32	3x1¼ (F)	11/80	
FGP8REB029EW	80x40	3x1½ (F)	11/80	
MC1P81RB8X6I	80x50	3x2	11/80	20
	*100x50	4x2	11/80	



Reducing Bush (IPS x CTS)

Item Code	Size in mm	Size in inch	SDR/ SCH	Box Qty.
MC1P1REB2X1I	20x15	¾x½	11	800
MC1P1REB3X1I	25x15	1x½	11	300
MC1P1REB3X2I	25x20	1x¾	11	350
MC1P1REB4X1I	32x15	1¼x½	11	45
MC1P1REB4X2I	32x20	1¼x¾	11	150
MC1P1REB4X3I	32x25	1¼x1	11	150
MC1P1REB5X1I	40x15	1½x½	11	30
MC1P1REB5X2I	40x20	1½x¾	11	100
MC1P1REB5X3I	40x25	1½x1	11	100
MC1P1REB5X4I	40x32	1½x1¼	11	100
MC1P1REB6X2I	50x20	2x¾	11	20
MC1P1REB6X3I	50x25	2x1	11	50
MC1P1REB6X4I	50x32	2x1¼	11	50
MC1P1REB6X5I	50x40	2x1½	11	50
MC1P8REB8X5I	80x40	3x1½	80	10
MC1P8REB8X7I	80x65	3x2½	80	12
MC1P8REB9X6I	100x50	4x2	80	12
MC1P8REB9X7I	100x65	4x2½	80	12
MC1P8REB9X8I	100x80	4x3	80	12
MC1P8REB9X9I	150x100	6x4	80	3



Reducing Bush

Item Code	Size in mm	Size in inch	SDR/ SCH	Box Qty.
MC1P81RB001I	15x15	½x½	11	300
MC1P81RB002I	20x20	¾x¾	11	400
MC1P81RB003I	25x25	1x1	11	100
MC1P81RB004I	32x32	1¼x1¼	11	40
MC1P81RB005I	40x40	1½x1½	11	30
MC1P81RB006I	50x50	2x2	11	20



Transition Bush

Item Code	Size in mm	Size in inch	SDR/ SCH	Box Qty.
MC1P1MTA001I	15	½	11	500
MC1P1MTA002I	20	¾	11	600
MC1P1MTA003I	25	1	11	120
MC1P1MTA004I	32	1¼	11	60
MC1P1MTA005I	40	1½	11	50
MC1P1MTA006I	50	2	11	30
MC1P1RMT2X1I	20x15	¾x½	11	300
MC1P1RMT4X3I	32x25	1¼x1	11	100



MTA (Plastic)

Item Code	Size in mm	Size in inch	SDR/ SCH	Box Qty.
MC1P8MTA007I	65	2½	80	12
MC1P8MTA008I	80	3	80	12
MC1P8MTA009I	100	4	80	12



MTA (Plastic)

Item Code	Size in mm	Size in inch	SDR/ SCH	Box Qty.
MC1P1FTA001I	15	½	11	300
MC1P1FTA002I	20	¾	11	200
MC1P1FTA003I	25	1	11	120
MC1P1FTA004I	32	1¼	11	60
MC1P1FTA005I	40	1½	11	40
MC1P1FTA006I	50	2	11	20
MC1P1RFT2X1I	20x15	¾x½	11	300
MC1P1RFT4X3I	32x25	1¼x1	11	100
MC1P8FTA007I	65	2½	80	12
MC1P8FTA008I	80	3	80	12
MC1P8FTA009I	100	4	80	4



FTA (Plastic)

Item Code	Size in mm	Size in inch	SDR/ SCH	Box Qty.
MC2P9FTE2X1I	20x15	¾x½	9	240
MC2P9FTE3X1I	25x15	1x½	9	100
MC2P1FTE001I	15	½	11	160
MC2P1FTE2X2I	20	¾	11	100
MC2P1FTE003I	25	1	11	50
MC2P1FTE004I	32	1¼	11	15
MC2P1FTE2X1I	20x15	¾x½	11	300
MC2P1FTE3X1I	25x15	1x½	11	100
MC2P1FTE3X2I	25x20	1x¾	11	80



Female Threaded Elbow (Brass)

Item Code	Size in mm	Size in inch	SDR/ SCH	Box Qty.
MC2P1MTE2X1I	20x15	¾x½	11	120



Male Threaded Elbow (Brass)

Item Code	Size in mm	Size in inch	SDR/ SCH	Box Qty.
MC2P9RTE3X1I	25x15	1x½	9	50
MC2P1FTT001I	15	½	11	120
MC2P1FTT002I	20	¾	11	60
MC2P1FTT003I	25	1	11	20
MC2P1FTT004I	32	1¼	11	30
MC2P1FTT2X1I	20x15	¾x½	11	240
MC2P1FTT3X1I	25x15	1x½	11	60
MC2P1FTT3X2I	25x20	1x¾	11	60
MC2P1FTT4X1I	32x15	1¼x½	11	50



Female Threaded Tee (Brass)

Item Code	Size in mm	Size in inch	SDR/ SCH	Box Qty.
MC2P1MTT2X1I	20x15	¾x½	11	100



Male Threaded Tee (Brass)

Item Code	Size in mm	Size in inch	SDR/ SCH	Box Qty.
MC2P9FTA3X1I	25x15	1x½	9	150
MC2P1FTA001I	15	½	11	50
MC2P1FTA002I	20	¾	11	50
MC2P1FTA003I	25	1	11	30
MC2P1FTA004I	32	1¼	11	12
MC2P1FTA005I	40	1½	11	10
MC2P1FTA006I	50	2	11	6
MC2P1FTA2X1I	20x15	¾x½	11	160
MC2P1FTA3X1I	25x15	1x½	11	100
MC2P1FTA3X2I	25x20	1x¾	11	100



FTA (Brass)

Pipes and fitting offered upto 50mm (2") are as per CTS standards where as 65 to 200mm (2½" to 8") are in SCH 40 & 80 which are as per IPS pipe size (inch series like aqua Gold®). SCH-Schedule (Pressure class), SDR-Standard dimension ratio (Pressure class), F-Fabricated. *Marked fittings will be shortly introduced.

Item Code	Size in mm	Size in inch	SDR/ SCH	Box Qty.
MC2P1MTA001I	15	½	11	50
MC2P1MTA002I	20	¾	11	50
MC2P1MTA003I	25	1	11	30
MC2P1MTA004I	32	1¼	11	12
MC2P1MTA005I	40	1½	11	10
MC2P1MTA006I	50	2	11	6
MC2P1MTA2X1I	20x15	¾x½	11	150
MC2P1MTA3X1I	25x15	1x½	11	40
MC2P1MTA3X2I	25x20	1x¾	11	30
MC2P8MTA007I	65	2½	80	6
MC2P8MTA008I	80	3	80	3



MTA (Brass)

MC1P1WYE004I	32	1¼	11	30
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Single Y

MC1P8FLA007I	65	2½	80	6
MC1P8FLA008I	80	3	80	5
MC1P8FLA009I	100	4	80	6
MC1P8FLA010I	150	6	80	3



Flange Adapter

NC1P8FVS007I	65	2½	80	6
NC1P8FVS008I	80	3	80	5
NC1P8FVS009I	100	4	80	8
NC1P8FVS011I	200	8	80	2



Flange Van Stone Style

MC1P8BFL007I	65	2½	80	12
MC1P8BFL008I	80	3	80	10
MC1P8BFL009I	100	4	80	3



Blind Flange

NC1P1BLV002I	20	¾	11	40
NC1P1BL1101I	15	½	11	125
NC1P1BL1102I	20	¾	11	30
NC1P1BLV003I	25	1	11	40
NC1P1BLV004I	32	1¼	11	12
NC1P1BLV005I	40	1½	11	14
NC1P1BLV006I	50	2	11	2



Ball Valve

*32	1¼	11		
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Union Ball Valve (Plain)

Item Code	Size in mm	Size in inch	SDR/ SCH	Box Qty.
	*32	1¼	11	
NC1P8BLV007I	65	2½	80	1
NC1P8BLV008I	80	3	80	1



Union Ball Valve (Threaded)



Ball Valve

NC2P1CVF002I	20	¾	11	9
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Concealed Valve

	*15	½	11	
NC2P1CVQAB2I	20	¾	11	9
	*25	1	11	



	*15	½	11	
NC2P1CVQAH2I	20	¾	11	9
	*25	1	11	



NC2P1CVQDN1E	15	½	11	9
NC2P1CVQDN2I	20	¾	11	9
NC2P1CVQDN3I	25	1	11	9



Concealed Valve (Quarter Turn)

NC2P1CVSQR2I (Short)	20	¾	11	10
NC2P1CVLQR2I (Long)	20	¾	11	10



NC2P1CVSQS2I (Short)	20	¾	11	10
NC2P1CVLQS2I (Long)	20	¾	11	10



NC2P1CVSQT2I (Short)	20	¾	11	10
NC2P1CVLQT2I (Long)	20	¾	11	10



Concealed Valve (Quarter Turn) New design

Pipes and fitting offered upto 50mm (2") are as per CTS standards where as 65 to 200mm (2½" to 8") are in SCH 40 & 80 which are as per IPS pipe size (inch series like aqua Gold®). SCH-Schedule (Pressure class), SDR-Standard dimension ratio (Pressure class), MT- Male thread, FT - Female thread, Soc- Socket, Spg - Spigot, F-Fabricated. *Marked fittings will be shortly introduced.

Item Code	Size in mm	Size in inch	SDR/SCH	Box Qty.		Item Code	Size in mm	Size in inch	SDR/SCH	Box Qty.		
NC2P1STH002I	20	¾	11	10		MC1P1PCC002I	20	¾		600		
					Screw Tap with Handwheel	MC1P1PCC003I	25	1		500		
MC2P1YST003I	25	1	11	12		MC1P1HNP001I	15	½	11	400		
MC2P1YST004I	32	1¼	11	6		MC1P1HNP002I	20	¾	11	225		
MC2P1YST005I	40	1½	11	3		MC1P1HNP003I	25	1	11	140		
MC2P1YST006I	50	2	11	2		MC1P1HNP004I	32	1¼	11	80		
	*65	2½	80			MC1P1HNP005I	40	1½	11	60		
	*80	3	80		MC1P1HNP006I	50	2	11	40			
						MC1P1HRP1X7I	15x7	½x7mm	11	300		
					Y Strainer	MC1P1HRP2X7I	20x7	¾x7mm	11	400		
						MC1P1HRP211I	20x11	¾x11mm	11	400		
MC1P1BPB002I	20	¾	11	100		NC1P1TCN002I	20	¾	11	80		
MC1P1BPB003I	25	1	11	60		Bypass Bend	NC1P1TCN003I	25	1	11		
						NC1P1TCN004I	32	1¼	11			
MC1P1CTP001I	15	½	11	270		Circuit Testing Plug	NC1P1TCR001I	15	½	11	100	
							NC1P1TCR002I	20	¾	11	80	
							NC1P1TCR003I	25	1	11	50	
							NC1P1TCR004I	32	1¼	11	30	
							NC1P1TCR005I	40	1½	11	20	
MC1P1CRP001I	15	½	11	270		Circuit Testing Plug (N)						
MC1P1ELH1X1I	15	½		100		NC1P1TCS003I	25	1	11	50		
MC1P1ELH2X1I	20x15	¾x½		200		Elbow Holder	NC1P1TCS004I	32	1¼	11	25	
MC1P1PCL001I	15	½		800		NC1P1TCL003I	25	1	11	100		
MC1P1PCL002I	20	¾		600		Pipe Clip	NC1P1TCL004I	32	1¼	11		50
MC1P1PCL003I	25	1		600			NC1P1TCL005I	40	1½	11		40
MC1P1PCL004I	32	1¼		300			NC1P1TCL006I	50	2	11		25
MC1P1PCL005I	40	1½		200								
MC1P1PCL006I	50	2		160								
MC1P1PCN004I	32	1¼		300		NC1P1WMF002I	20x15	¾x½		20		
MC1P1PCN005I	40	1½		200		Pipe Clip (N)						

Pipes and fitting offered upto 50mm (2") are as per CTS standards where as 65 to 200mm (2½" to 8") are in SCH 40 & 80 which are as per IPS pipe size (inch series like aqua Gold®). SCH-Schedule (Pressure class), SDR-Standard dimension ratio (Pressure class), MT- Male thread, FT - Female thread, Soc- Socket, Spg - Spigot, F-Fabricated. *Marked fittings will be shortly introduced.

Item Code	Size in mm	Size in inch	SDR/SCH	Box Qty.
FCP0BPB007I	15	½	11	50
FCP0BPB010I	32	1¼	11	30
FCP0BPB011I	40	1½	11	15
FCP0BPB012I	50	2	11	10



FCP0BNS001EW	15	½	11	125
FCP0BNS002EW	20	¾	11	75
FCP0BNS003EW	25	1	11	30
FCP0BNS004EW	32	1¼	11	40
FCP0BNS005EW	40	1½	11	30
FCP0BNS006EW	50	2	11	10
FCP0BNS007EW	65	2½	40	9
FCP0BNS008EW	80	3	40	9
FCP0BNS009EW	100	4	40	4



Item Code	Size in mm	Size in inch	SDR/SCH	Box Qty.
FCP0SB9001EW	25	1	11	



4100339	15	½		
4100340	20	¾		
4100341	25	1		
4100342	32	1¼		
4100343	40	1½		
4100344	50	2		



Pipes and fitting offered upto 50mm (2") are as per CTS standards where as 65 to 200mm (2½" to 8") are in SCH 40 & 80 which are as per IPS pipe size (inch series like aqua Gold®). SCH-Schedule (Pressure class), SDR-Standard dimension ratio (Pressure class), MT- Male thread, FT - Female thread, Soc- Socket, Spg - Spigot, F-Fabricated.

SILBOND[™]

FOR AN EVERLASTING BOND

The quality of solvent cement plays very important role in solvent weld plumbing. The quality of solvent cement has total influence on the joint strength. Considering this important fact, company has started manufacturing solvent cement under its own stringent quality checks. This ensures consistency in quality of solvent cement thereby reassuring the end user about the leak proof joints on a long term basis. The containers (Tin) has unique design with cap having integral brush. This ensures air tight closure and eliminate any contaminations. "SILBOND" solvent cement is available for both uPVC aqua Gold high pressure plumbing system as well as for Lifeline C-PVC hot and cold water system. PVC solvent cement is certified by BIS and NSF (USA) where as C-PVC solvent cement is certified by NSF (USA).

Silbond solvent cement for uPVC aqua Gold[®] is made available in following varieties:-

- 1) Regular Bodied {recommended up to 50mm (2") diameter for SCH 40 pipes}.
- 2) Medium Bodied {recommended up to 150mm (6") diameter for SCH 40 and 32mm (1¼") diameter for SCH 80 pipes}.
- 3) Heavy Bodied {recommended for 300mm (12") diameter for SCH 40 and 150mm (6") diameter for SCH 80 pipes}.

Silbond solvent cement for Lifeline[®] C-PVC is available in following varieties:

- 1) Medium Bodied {recommended up to 150mm (6") diameter for SCH 40, 32mm (1¼") diameter for SCH 80 and 50mm (2") diameter for SDR 11 pipes}
- 2) Heavy Bodied {recommended for 300mm (12") diameter for SCH 40 and 150mm (6") diameter for SCH 80 pipes}.

In addition to containers in different sizes, uPVC solvent cement in medium bodied and both varieties, i.e., medium bodied and heavy bodied for C-PVC is also available in tube form in 15ml, 30ml and 60ml sizes. Primer required for large diameter pipes is also available in different packings.

uPVC SOLVENT CEMENT

Item Code	Size	Box qty.
SBAQUASD0061	60ml	48
SBAQUASD0100	100ml	24
SBAQUASD0250	250ml	24
SBAQUASD0500	500ml	12
SBAQUASD1000	1000ml	12
SBAQUASD5000	5000ml	4

Meets IS:14182 and ASTM D-2564 standards. Suitable up to 50mm (2") diameter for SCH 40



SBAQUAMD0007	7ml (tube)	96
SBAQUAMD0015	15ml (tube)	24
SBAQUAMD0030	30ml (tube)	24
SBAQUAMD0060	60ml (tube)	24
SBAQUAMD0061	60ml	48
SBAQUAMD0100	100ml	24
SBAQUAMD0250	250ml	24
SBAQUAMD0500	500ml	12
SBAQUAMD1000	1000ml	12

Meets IS:14182 and ASTM D-2564 standards. Suitable upto 150mm (6") diameter for SCH 40 and 32mm (1¼") diameter for SCH 80



SBAQUAHD0061	60ml	48
SBAQUAHD0100	100ml	24
SBAQUAHD0250	250ml	24
SBAQUAHD0500	500ml	12
SBAQUAHD1000	1000ml	12

Meets IS:14182 and ASTM D-2564 standards. Suitable upto 300mm (12") diameter for SCH 40 and 150mm (6") diameter for SCH 80



C-PVC SOLVENT CEMENT

Item Code	Size	Box qty.
SBCPVCMD0015	15ml (tube)	24
SBCPVCMD0030	30ml (tube)	24
SBCPVCMD0060	60ml (tube)	24
SBCPVCMD0061	60ml	48
SBCPVCMD0100	100ml	24
SBCPVCMD0250	250ml	24
SBCPVCMD0500	500ml	12
SBCPVCMD1000	1000ml	12

Meets ASTM F-493 and D-2846 standards. Suitable up to 150mm (6") diameter for SCH 40, 32mm (1¼") diameter for SCH 80 and 50mm (2") diameter for SDR 11 and SDR 13.5 pipes.



SBCPVCHD0015	15ml (tube)	24
SBCPVCHD0030	30ml (tube)	24
SBCPVCHD0060	60ml (tube)	24
SBCPVCHD0061	60ml	48
SBCPVCHD0100	100ml	24
SBCPVCHD0250	250ml	24
SBCPVCHD0500	500ml	12
SBCPVCHD1000	1000ml	12

Meets ASTM F-493 and D-2846 standards. Suitable up to 300mm (12") SCH 40 and 150mm (6") SCH 80



PRIMER

SBPRIMER0100	100ml	24
SBPRIMER0250	250ml	24
SBPRIMER0500	500ml	12
SBPRIMER1000	1000ml	12

Meets ASTM F-656 standards. Essential for 65mm (2½") and above sized pipes.



BLUESIL

Thread Sealant

After successfully introducing solvent cement, primer and rubber lubricant, we are very happy to introduce one more useful and value added product called "Thread Sealant" under the brand name "BLUESIL". Looking at its quality and versatile features, this path breaking product is most appropriate for making threaded joints.

UNIQUE FEATURES:

- Non-hardening, lubricating, anti-seize formulation
- Safe, non-toxic, Lead and Silicone free
- Non-corrosive, non-conductive
- Convenient packing
- Specially designed for all types of threaded fittings and valves
- Can be used for all types of threaded joints like plastic to plastic, plastic to metal and metal to metal etc.
- Positive seal
- Long life

SIL AID

FOR AN EASY JOINTS

Rubber Lubricant

Lubricant is normally used for joining any pressure or non pressure pipes having rubber seal type joints. Recently, we have made available a very good quality lubricant which is offered in different packing. The unique features of this quality product are as given below:-

SALIENT FEATURES:

- Non-inflammable, nontoxic, non-corrosive
- Will not harm rubber gasket or plastic pipe
- Safe for drinking/potable water application
- Doesn't promote bacterial growth
- No odor
- Water dispersible
- Easy spreading

Item Code	Size	Box qty.
SBTHSEAL0100	100g	30
SBTHSEAL0250	250g	24
SBTHSEAL0500	500g	12
SBTHSEAL1000	1000g	12



Item Code	Size	Box qty.
SBSIL AID0010	100g	100
SBSIL AID0025	250g	100
SBSIL AID0050	500g	20



THE SYSTEM

Designed for hot and cold water, Supreme indo green® PP-R is the latest and most suitable system for all plumbing applications. Besides plumbing, this system can also be used for varieties of applications like air distribution, radiator heating etc. The specific chemical structure of indo green® PP-R provides well balanced mechanical properties and superior long term heat resistance. More importantly, the water flowing through it does not have any negative biological effects and hence remain most hygienic. Thus signifying its quality, performance and suitability for potable water application. Being an ideal solution for housing sector, it has also been approved by MCGM. The system has been in use for more than 25 years in Europe, Gulf, China and Russia and gaining good acceptance across the world.

Raw Material

The Supreme indo green® pipes and fittings are manufactured using polypropylene random copolymer type-3 (PP-R), supplied by the reputed European companies which has Bodycote certification - an independent International testing body certifying the long term performance of raw material. It has high molecular weight and excellent creep resistance which are fundamental characteristics for the transportation of hot fluids under pressure.

Product Specifications and Range

Supreme indo green® PP-R pipes are manufactured according to IS:15801 whereas fittings are manufactured as per ISO:15874 standards. The pipes and fittings in this category are available in the dimensions from 20 to 160mm dia Pipes are supplied in 3m length in SDR-11, 7.4 and 6 pressure class, whereas moulded fittings are available in the highest PN20 or PN25 pressure class. 160 mm dia fittings are also available in PN10 and PN16 class. All threaded inserts in the transition fittings are made of brass to withstand chemical corrosion at elevated temperatures. Supreme indo green® PP-R pipes are UV-resistant making them immune to damaging effects of sun rays.

FEATURES AND BENEFITS

Light weight, easy and quick assembly - Results in extensive saving in time and labour.

Ideal and safest system for carrying potable water - PP-R is absolutely free from corrosion and negative biological effects. It does not break down even under the harshest water conditions; hence the quality of water never deteriorates. It is in full compliance with the International standards on the use of plastics materials for the transportation of potable water.

Safe and watertight joints - Joints are prepared by fusion process using polyfusion device. This process gives homogeneous, integral and watertight joints, which lasts for long time.

Excellent resistance to corrosion and chemical attacks - PP-R pipes and fittings are stable against the majority of known aggressive and toxic chemicals, aggressive soils and fluids in the external environment.

Reduced head loss - Mirror smooth inside surface ensures high flow rates and very low frictional losses.

Low thermal conductivity - Results in saving in insulation cost, thereby reducing overall operational costs.

Free from scaling - Due to the unique properties of PP-R limestone or other deposits cannot form and hence there is no scaling or blockage in the pipelines.

High impact strength - indo green® PP-R has a very good impact strength and hence no possibility of any breakage.

Low on sound - The sound dampening property of PP-R is a major attraction in plumbing, flushing and pressurized flow applications.

Long operational durability - indo green® system ensures a minimum of 50 years of trouble free performance.

Highly economical in long run - This system is the most cost effective than any other plumbing system. Moreover, due to savings in installation and insulation cost, this system is even comparable with standard make class-B GI piping system.

Beside the above, it offers very good resistance to frost, abrasion and stray current and is considered to be the most suitable in seismic zones.

Distinguishing features of indo green® PP-R

Salient and unique features that set Supreme indo green® apart from other brands available in the market are:-

- Quality conformity with European and international standards.
- Manufactured from PP-R type-3, supplied by reputed European suppliers which have Bodycote (an independent international testing body) certification. Indigenously manufactured complete range of pipes and fittings from 20 to 160mm dia with necessary heating tools and accessories.
- Availability of fittings in PN20 pressure class.
- Long lasting - minimum 50 years of trouble free performance.

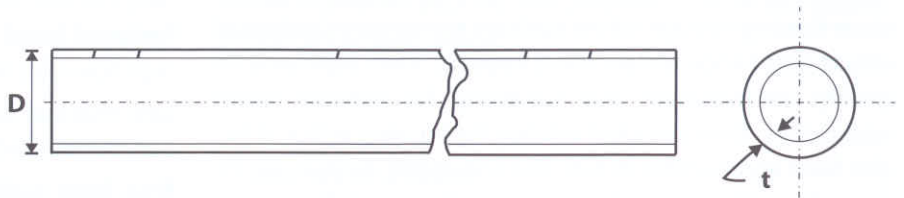
Fields of Application

Indo green® PP-R is designed for hot and cold water supply and heating applications and it is suitable for different applications listed below.

- Hot and cold water supply in residential, industrial, commercial and public projects.
- Solar heater applications.
- Drinking water and liquid foods.
- Watering systems for greenhouses and gardens.
- Transportation of aggressive fluids.
- Water purifying plants.
- Radiator heating.
- Traditional heating systems.
- Air distribution and compressed air systems.
- Chilled water and air conditioning.



PIPES







Pipe Dimensions as per IS:15801 specifications












Nominal Size (mm)	Outer Diameter (D) in mm		SDR-11 (PN 10) Wall Thickness (t) in mm		SDR-7.4 (PN 16) Wall Thickness (t) in mm		SDR-6 (PN 20) Wall Thickness (t) in mm	
	Min	Max	Min	Max	Min	Max	Min	Max
20	20.0	20.3	1.90	2.30	2.80	3.30	3.40	4.00
25	25.0	25.3	2.30	2.80	3.50	4.10	4.20	4.90
32	32.0	32.3	2.90	3.40	4.40	5.10	5.40	6.20
40	40.0	40.4	3.70	4.30	5.50	6.30	6.70	7.60
50	50.0	50.5	4.60	5.30	6.90	7.80	8.30	9.40
63	63.0	63.6	5.80	6.60	8.60	9.70	10.50	11.80
75	75.0	75.7	6.80	7.70	10.30	11.60	12.50	14.00
90	90.0	90.9	8.20	9.30	12.30	13.80	15.00	16.70
110	110.0	110.9	10.00	11.20	15.10	16.90	18.30	20.40
160	160.0	161.5	14.60	16.30	21.90	24.30	26.60	29.50

- Note:**
1. Pipes are offered in indo green® (IG) colour with standard length of 3m, duly packed in plastic bags.
 2. Non standard length of 4m and 6m can be offered against bulk requirements.
 3. All dimensions unless otherwise specified are in mm.
 4. 160mm pipe is offered as per ISO:15874 standards.















FITTINGS

Item Code	Size in mm	PN	Box Qty.		Item Code	Size in mm	PN	Box Qty.	
MG1P2CPL020I	20	25	280	 <p>Coupler</p>	MG1P2ELB063I	63	20	12	 <p>Elbow 90°</p>
MG1P2CPL025I	25	25	200		MG1P2ELB075I	75	20	5	
MG1P2CPL032I	32	25	300		MG1P2ELB090I	90	20	3	
MG1P2CPL040I	40	25	60		MG1P2ELB110I	110	20	4	
MG1P2CPL050I	50	25	40			160 (BW)	16	L	
MG1P2CPL063I	63	25	20						
MG1P2CPL075I	75	20	12						
MG1P2CPL090I	90	20	6						
MG1P2CPL110I	110	20	3						
MG1P2ELB020I	20	25	600	 <p>Elbow 90°</p>	MG1P2REA025I	25x20	25	120	 <p>*Reducing Elbow</p>
MG1P2ELB025I	25	25	280		MG1P2REB032I	32x20	25	80	
MG1P2ELB032I	32	25	180		MG1P2REA032I	32x25	25	50	
MG1P2ELB040I	40	25	90		MG1P2REB040I	40x25	20	50	
MG1P2ELB050I	50	25	20		MG1P2REA040I	40x32	20	50	
					MG1P2REB050I	50x32	20	40	














Except for flange adapter, bypass bend and male end of male/female reducer, all other fittings are female socketed. Threaded end of transition fittings are compatible with CP fittings. PN - Nominal Pressure, BW - Butt Welding *Reducing elbow 40x20, 50x40, 63x50, 75x63, 90x75, reducing tee's 25 to 63 with 16 mm branch, 63x20, 75x20, 32, 90x20, 32, 40 and 110x32, 40, 50, 63 are available in fabricated form.





Item Code	Size in mm	PN	Box Qty.		Item Code	Size in mm	PN	Box Qty.		
MG1P2BDF020I	20	25	250	 Elbow 45°	MG1P2RMA063I	63x50	20	36	 Reducer Male/Female	
MG1P2BDF025I	25	25	160		MG1P2RMB075I	75x50	20	10		
MG1P2BDF032I	32	25	100		MG1P2RMS075I	75x63	20	16		
MG1P2BDF040I	40	25	50		MG1P2RMB090I	90x63	20	10		
MG1P2BDF050I	50	25	30		MG1P2RMA090I	90x75	20	10		
MG1P2BDF063I	63	20	12		MG1P2RMB110I	110x75	20	12		
MG1P2BDF075I	75	20	8		MG1P2RMA110I	110x90	20	8		
MG1P2BDF090I	90	20	4							
MG1P2TEE020I	20	25	140	 Equal Tee	MG1P2RFA025I	25x20	20	200	 Reducer Female/Female	
MG1P2TEE025I	25	25	200		MG1P2RFA032I	32x20	20	150		
MG1P2TEE032I	32	25	120		MG1P2RFA040I	32x25	20	120		
MG1P2TEE040I	40	25	30		MG1P2RFB050I	40x32	20	50		
MG1P2TEE050I	50	25	16		MG1P2RFB050I	50x32	20	24		
MG1P2TEE063I	63	25	10		MG1P2RFA050I	50x40	20	20		
MG1P2TEE075I	75	20	4		MG1P2RFB063I	63x40	20	15		
MG1P2TEE090I	90	20	6		MG1P2RFA063I	63x50	20	8		
MG1P2TEE110I	110	20	3		MG1P2RFB090I	90x63	20	8		
FGP6EQT160IG	160 (BW)	16	L		MG1P2RFA110I	110x90	20	3		
					160x90(BW)	10	8			
					MG1PSRMB160I	160x90(BW)	16	8		
					MG1PTRMA160I	160x110(BW)	10	8		
					MG1PSRMA160I	160x110(BW)	16	8		
MG1P2RTA025I	25x20x25	25	100	 *Reducing Tee	MG1P2ECP020I	20	25	400	 End Cap	
MG1P2RTB032I	32x20x32	25	60		MG1P2ECP025I	25	25	250		
MG1P2RTA032I	32x25x32	25	60		MG1P2ECP032I	32	25	160		
MG1P2RTC040I	40x20x40	25	40		MG1P2ECP040I	40	25	100		
MG1P2RTB040I	40x25x40	25	30		MG1P2ECP050I	50	20	63		
MG1P2RTA040I	40x32x40	25	40		MG1P2ECP063I	63	20	12		
MG1P2RTD050I	50x20x50	25	20		FGP2ECP075IG	75 (F)	20	L		
MG1P2RTC050I	50x25x50	25	20		FGP2ECP090IG	90 (F)	20	L		
MG1P2RTB050I	50x32x50	25	20		FGP2ECP110IG	110 (F)	20	L		
MG1P2RTA050I	50x40x50	25	16							
MG1P2RTD063I	63x25x63	25	10							
MG1P2RTC063I	63x32x63	25	10	MG2P2FTE020I	20x15	25	150	 Female Threaded Elbow 90°		
MG1P2RTB063I	63x40x63	25	10	MG2P2FTE021I	20x20	25	40			
MG1P2RTA063I	63x50x63	25	10	MG2P2FTE025I	25x15	25	100			
MG1P2RTC075I	75x40x75	20	5	MG2P2FTE026I	25x20	25	75			
MG1P2RTB075I	75x50x75	20	5	MG2P2FTE031I	32x15	25	75			
MG1P2RTA075I	75x63x75	20	5	MG2P2FTE032I	32x20	25	20			
MG1P2RTC090I	90x50x90	20	6	MG2P2FTE033I	32x25	25	50			
MG1P2RTB090I	90x63x90	20	6	MG2P2FTE040I	40x32	25	10			
MG1P2RTA090I	90x75x90	20	6	MG2P2FTE041I	40x40	25	10			
				MG2P2FTE051I	50x40	25	8			
MG1P2CRT020I	20	20	45	 Cross Tee	MG2P2FTE019I	20x15	25	50	 Female Threaded Elbow 90° with supporting device	
MG1P2CRT025I	25	20	70							
MG1P2RMA025I	25x20	25	100	 Reducer Male/Female	MG2P2FTT020I	20x15	25	100	 Female Threaded Tee	
MG1P2RMB032I	32x20	25	100		MG2P2FTT021I	20x20	25	25		
MG1P2RMA032I	32x25	25	160		MG2P2FTT025I	25x15	25	80		
MG1P2RMC040I	40x20	25	50		MG2P2FTT026I	25x20	25	25		
MG1P2RMB040I	40x25	25	100		MG2P2FTT034I	32x15	25	16		
MG1P2RMA040I	40x32	25	100		MG2P2FTT032I	32x20	25	16		
MG1P2RMC050I	50x25	25	36		MG2P2FTT033I	32x25	25	16		
MG1P2RMB050I	50x32	25	40							
MG1P2RMA050I	50x40	25	20							
MG1P2RMD063I	63x25	20	20							
MG1P2RMC063I	63x32	20	20							
MG1P2RMB063I	63x40	20	36							

Except for flange adapter, bypass bend and male end of male/female reducer, all other fittings are female socketed. Threaded end of transition fittings are compatible with CP fittings. PN - Nominal Pressure, BW - Butt Welding *Reducing elbow 40x20, 50x40, 63x50, 75x63, 90x75, reducing tee's 25 to 63 with 16 mm branch, 63x20, 75x20, 32, 90x20, 32, 40 and 110x32, 40, 50, 63 are available in fabricated form.

Item Code	Size in mm	PN	Box Qty.		Item Code	Size in mm	PN	Box Qty.		
MG2P2MTE020I	20x15	25	100	 Male Threaded Elbow 90°	MG2P2UFT020I	20x15	20	50	 Union - Female Threaded	
MG2P2MTE021I	20x20	25	40		MG2P2UFT026I	25x20	20	40		
MG2P2MTE025I	25x15	25	40		MG2P2UFT032I	32x25	20	24		
MG2P2MTE026I	25x20	25	30		MG2P2UFT040I	40x32	20	12		
MG2P2MTE032I	32x20	25	20						 Union - Male Threaded	
MG2P2MTE033I	32x25	25	16		MG2P2UMT020I	20x15	20	50		
MG2P2MTE050I	50x32	25	5		MG2P2UMT026I	25x20	20	40		
				MG2P2UMT034I	32x25	20	21			
				MG2P2UMT040I	40x32	20	10			
MG2P2MTT020I	20x15	25	40	 Male Threaded Tee	MG2P2UNS020I	20	20	25	 Union (SxS)	
MG2P2MTT021I	20x20	25	20		MG2P2UNS025I	25	20	20		
MG2P2MTT025I	25x15	25	30		MG2P2UNS032I	32	20	15		
MG2P2MTT026I	25x20	25	25						 Union - Female Threaded (SxFT)	
MG2P2MTT032I	32x20	25	14		MG2P2FTU020I	20x15	20	50		
MG2P2MTT033I	32x25	25	12		MG2P2FTU025I	25x20	20	40		
				MG2P2FTU032I	32x25	20	25			
MG2P2FTA020I	20x15	25	150	 Female Threaded Joint (FTA)						
MG2P2FTA021I	20x20	25	50		MG2P2MTU020I	20x15	20	40		 Union - Male Threaded (SxMT)
MG2P2FTA025I	25x15	25	100		MG2P2MTU025I	25x20	20	30		
MG2P2FTA026I	25x20	20	100		MG2P2MTU032I	32x25	20	20		
MG2P2FTA031I	32x15	25	30						 All Plastic Weld in Saddle	
MG2P2FTA032I	32x20	25	30		MG1P2SSW063I	63x32	20	40		
MG2P2FTA033I	32x25	25	60		MG1P2SSW075I	75x32	20	40		
MG2P2FTA040I	40x32	25	40		MG1P2SSW090I	90x32	20	40		
MG2P2FTA041I	40x40	25	12		MG1P2PWS110I	110x40	20	15		
MG2P2FTA041I	40x40	20	6		MG1P2PWS111I	110x50	20	15		
MG2P2FTA050I	50x40	25	12							
MG2P2FTA050I	50x40	25	12							
MG2P2FTA063I	63x50	25	8							
MG2P2MTA020I	20x15	25	100	 Male Threaded Joint (MTA)	MG2P2SSF063I	63x20	20	20		 Weld in Saddle - Female Threaded
MG2P2MTA021I	20x20	25	100		MG2P2SSF075I	75x20	20	20		
MG2P2MTA025I	25x15	25	100		MG2P2SSF090I	90x20	20	20		
MG2P2MTA026I	25x20	20	80							
MG2P2MTA032I	32x20	25	30							
MG2P2MTA033I	32x25	25	50						 Union (Plastic)	
MG2P2MTA040I	40x32	25	30							
MG2P2MTA041I	40x40	20	6							
MG2P2MTA050I	50x40	25	20							
MG2P2MTA051I	50x50	20	6							
MG2P2MTA063I	63x50	25	6							
MG2P2MTA075I	75x65	25	6					 Weld in Saddle - Male Threaded		
MG2P2MTA090I	90x80	25	4							
MG1P2MTA020I	20x15	20	200							
MG1P2MTA021I	20x20	20	200							
MG1P2MTA026I	25x20	20	150							
MG1P2MTA032I	32x25	20	80							
MG1P2MTA040I	40x32	20	40							
MG1P2MTA050I	50x40	20	50							
MG1P2MTA063I	63x50	20	20							
	*20	20								
	*25	20								
	*32	20								
MG2P2UNI020I	20	20	40	 Union	MG2P2SSM063I	63x20	20	20		
MG2P2UNI025I	25	20	50		MG2P2SSM075I	75x20	20	20		
MG2P2UNI032I	32	20	40		MG2P2SSM090I	90x20	20	20		
MG2P2UNI040I	40	20	10							
MG2P2UNI050I	50	20	6							
MG2P2UNI063I	63	20	4							


☒ Except for flange adapter, bypass bend and male end of male/female reducer, all other fittings are female socketed. Threaded end of transition fittings are compatible with CP fittings. PN - Nominal Pressure, F- Fabricated, S- Socket, MT- Male Thread, FT- Female Thread, Spg- Spigot *Marked fittings will be shortly introduced.








Item Code	Size in mm	PN	Box Qty.		Item Code	Size in mm	PN	Box Qty.	
MG2P2FLA063I	63	20	4	 Adapter with Integral Flange	FGP2TCL021IG	20	20	50	 Tank Connector Long (MT/Spg) (F)
MG2P2FLA075I	75	20	4		FGP2TCL026IG	25	20	50	
MG2P2FLA090I	90	20	5		FGP2TCL033IG	32	20	35	
MG2P2FLA110I	110	20	4		FGP2TCL040IG	40	20	20	
				FGP2TCL050IG	50	20	15		
					FGP2TCL063IG	63	20	-	
Note: This adapter does not require metal flange and as it comes with socketed end, it do not require coupler to connect pipe.									
MG1P2FLA040I	40	20	10	 Flange Adapter	MG1P2BPB020I	20	20	60	 Bypass Bend
MG1P2FLA050I	50	20	10		MG1P2BPB025I	25	20	40	
MG1P2FLA063I	63	20	6		MG1P2BPB032I	32	20	20	
MG1P2FLA075I	75	20	4						
MG1P2FLA090I	90	20	6						
MG1P2FLA110I	110	20	4						
MG1P2FLA161I	160 (BW)	20	6						
Note: This adapter require metal flange and as it comes with spigot end, it require coupler to connect pipe.									
MG1P2FLG160I	160		L	 PPR-Flange	MG1P2CTP001I	15	20	270	 Circuit Testing Plug
					MG1P2CTP002I	20	20	80	
					MG1P2TPG001I	15	20	900	 Threaded Plug
				MG1P2TPG002I	20	20	1000		
				MG1P2TPG003I	25	20	400		
NG2P2BVL020I	20	20	8	 Ball Valve	MG1P2HRP007I	7		50	 Hole Repairing Plug
NG2P2BVL025I	25	20	16		MG1P2HRP011I	11		50	
NG2P2BVL032I	32	20	12						
NG2P2BVL040I	40	20	4						
NG2P2BVL050I	50	20	4						
NG2P2BVL063I	63	20	2						
NG2P2CVF025I	25	20	10	 Concealed Valve	MG1P2PCL020I	20		500	 Pipe Clip (Plastic)
NG2P2CVF032I	32	20	10		MG1P2PCL025I	25		400	
				MG1P2PCL032I	32		320		
				MG1P2PCL040I	40		240		
				MG1P2PCL050I	50		90		
				MG1P2PCL063I	63		30		
MG2P2STH020I	20	20	10	 Screw Tap with Handwheel					 Metal Clamp with Rubber Seal
MG2P2STH025I	25	20	10						
MG2P2STH032I (Standard)	32	20	10						
MG2P2STL025I	25	20	10						
MG2P2STL032I (Long)	32	20	10						
MG2P2STH020I	20	20	10						
MG2P2STH025I	25	20	10						
MG2P2STH032I (Standard)	32	20	10						
MG2P2STL025I	25	20	10						
MG2P2STL032I (Long)	32	20	10						
MG2P2STH020I	20	20	10						
MG2P2STH025I	25	20	10						
MG2P2STH032I (Standard)	32	20	10						
MG2P2STL025I	25	20	10						
MG2P2STL032I (Long)	32	20	10						
MG2P2STH020I	20	20	10						
MG2P2STH025I	25	20	10						
MG2P2STH032I (Standard)	32	20	10						
MG2P2STL025I	25	20	10						
MG2P2STL032I (Long)	32	20	10						
MG2P2STH020I	20	20	10						
MG2P2STH025I	25	20	10						
MG2P2STH032I (Standard)	32	20	10						
MG2P2STL025I	25	20	10						
MG2P2STL032I (Long)	32	20	10						
MG2P2STH020I	20	20	10						
MG2P2STH025I	25	20	10						
MG2P2STH032I (Standard)	32	20	10						
MG2P2STL025I	25	20	10						
MG2P2STL032I (Long)	32	20	10						
MG2P2STH020I	20	20	10						
MG2P2STH025I	25	20	10						
MG2P2STH032I (Standard)	32	20	10						
MG2P2STL025I	25	20	10						
MG2P2STL032I (Long)	32	20	10						
MG2P2STH020I	20	20	10						
MG2P2STH025I	25	20	10						
MG2P2STH032I (Standard)	32	20	10						
MG2P2STL025I	25	20	10						
MG2P2STL032I (Long)	32	20	10						
MG2P2STH020I	20	20	10						
MG2P2STH025I	25	20	10						
MG2P2STH032I (Standard)	32	20	10						
MG2P2STL025I	25	20	10						
MG2P2STL032I (Long)	32	20	10						
MG2P2STH020I	20	20	10						
MG2P2STH025I	25	20	10						
MG2P2STH032I (Standard)	32	20	10						
MG2P2STL025I	25	20	10						
MG2P2STL032I (Long)	32	20	10						
MG2P2STH020I	20	20	10						
MG2P2STH025I	25	20	10						
MG2P2STH032I (Standard)	32	20	10						
MG2P2STL025I	25	20	10						
MG2P2STL032I (Long)	32	20	10						
MG2P2STH020I	20	20	10						
MG2P2STH025I	25	20	10						
MG2P2STH032I (Standard)	32	20	10						
MG2P2STL025I	25	20	10						
MG2P2STL032I (Long)	32	20	10						
MG2P2STH020I	20	20	10						
MG2P2STH025I	25	20	10						
MG2P2STH032I (Standard)	32	20	10						
MG2P2STL025I	25	20	10						
MG2P2STL032I (Long)	32	20	10						
MG2P2STH020I	20	20	10						
MG2P2STH025I	25	20	10						
MG2P2STH032I (Standard)	32	20	10						
MG2P2STL025I	25	20	10						
MG2P2STL032I (Long)	32	20	10						
MG2P2STH020I	20	20	10						
MG2P2STH025I	25	20	10						
MG2P2STH032I (Standard)	32	20	10						
MG2P2STL025I	25	20	10						
MG2P2STL032I (Long)	32	20	10						
MG2P2STH020I	20	20	10						
MG2P2STH025I	25	20	10						
MG2P2STH032I (Standard)	32	20	10						
MG2P2STL025I	25	20	10						
MG2P2STL032I (Long)	32	20	10						
MG2P2STH020I	20	20	10						
MG2P2STH025I	25	20	10						
MG2P2STH032I (Standard)	32	20	10						
MG2P2STL025I	25	20	10						
MG2P2STL032I (Long)	32	20	10						
MG2P2STH020I	20	20	10						
MG2P2STH025I	25	20	10						
MG2P2STH032I (Standard)	32	20	10						
MG2P2STL025I	25	20	10						
MG2P2STL032I (Long)	32	20	10						
MG2P2STH020I	20	20	10						
MG2P2STH025I	25	20	10						
MG2P2STH032I (Standard)	32	20	10						
MG2P2STL025I	25	20	10						
MG2P2STL032I (Long)	32	20	10						
MG2P2STH020I	20	20	10						
MG2P2STH025I	25	20	10						
MG2P2STH032I (Standard)	32	20	10						
MG2P2STL025I	25	20	10						
MG2P2STL032I (Long)	32	20	10						
MG2P2STH020I	20	20	10						
MG2P2STH025I	25	20	10						
MG2P2STH032I (Standard)	32	20	10						
MG2P2STL025I	25	20	10						
MG2P2STL032I (Long)	32	20	10						
MG2P2STH020I	20	20	10						
MG2P2STH025I	25	20	10						
MG2P2STH032I (Standard)	32	20	10						
MG2P2STL025I	25	20	10						
MG2P2STL032I (Long)	32	20	10						

Item Code	Size in mm	PN	Box Qty.		Item Code	Size in mm	PN	Box Qty.	
FGP2BN9020I	20	20	50	 Bend 90° (F)	FGP1BPB020I	20	20	75	 Bypass Bend (F)
FGP2BN9025I	25	20	35		FGP1BPB025I	25	20	50	
FGP2BN9032I	32	20	25		FGP1BPB032I	32	20	30	
				FGP1BPB040I	40	20	20		
					Bend 90° in PN 20 pressure class are offered in 20mm to 63mm sizes.				
FGP2SB1110I	110 mm 11.25°	20	10	 Short Bend (BW)	FGP2OSB020I	20	20	75	 Offset Bend (F)
FGP6SB1160I	160 mm 11.25°	16	5		FGP2OSB025I	25	20	50	
FGP2SB2110I	110 mm 22.5°	20	10		FGP2OSB032I	32	20	30	
FGP6SB2160I	160 mm 22.5°	16	5						
FGP2SB3110I	110 mm 30°	20	10						
FGP6SB3160I	160 mm 30°	16	5						
FGP2SB4110I	110 mm 45°	20	8						
FGP6SB4160I	160 mm 45°	16	3						
FGP2SB6110I	110 mm 60°	20	8						
FGP6SB6160I	160 mm 60°	16	3						

Except for flange adapter, bypass bend and male end of male/female reducer, all other fittings are female socketed. Threaded end of transition fittings are compatible with CP fittings. PN - Nominal Pressure, BW - Butt welding, F- Fabricated, MT- Male Thread, FT- Female Thread, Spg- Spigot

Socket / Polyfusion Equipment and Accessories

Item Code	Size in mm	Remark		Item Code	Size in mm	Remark		
4100378	20	Suitable for	 Matrices Paired	4100302	32	Used to make hole on pipe while using welding saddles	 Drill Bit for Weld in Saddle	
4100379	25	for						
4100380	32	SPD 2600,			PFDSPDA02600		Suitable for 20mm to 32mm sizes.	 Polyfusion Device SPD 2600
4100381	40	SPD 3800						
4100382	50	and SPD			PFDSPDA03800		Suitable for 32mm to 50mm sizes.	 Polyfusion Device SPD 3800
4100383	63	41200						
4100384	75				PFDSPDA41200		Suitable for 40mm to 63mm sizes.	 Polyfusion Device SPD 41200
4100385	90							
4100386	110							
-	50x32	Used for weld in saddles	 Matrices for Weld in Saddle					
4100334	63x32							
4100335	75x32							
4100336	90x32							
4100337	110x40							
4100338	110x50							
4100363	20	Suitable for	 Matrices-Non-Paired					
4100364	25	SPD 5600						
4100365	32							
4100320	7	This is used to repair hole formed on the pipe	 Hole Repairing Matrices	PFDSPD005600		Suitable for 20mm to 32mm sizes.	 Polyfusion Device 90° (Rod type) SPD 5600	
4100321	11							

Item Code	Remark		Item Code	Remark	
4100388 (Indian make)	Suitable up to 40mm pipe size	 Pipe Cutter	4100405	Suitable for 50mm to 140mm pipe sizes	 Rotating Cutter
4100391 4100390	This is used to mount Polyfusion device while welding. This provides firm support while welding on the floor.	 Mounting Stand (for PFD)	4100331	Required for welding of 63mm to 110mm pipe sizes	 Assembly Jig
4100389	This is used to remove oxidized layer on exterior face of the pipe before welding. This is generally required while welding large diameter pipes.	 Pipe Scraper	4100332	For butt welding of above 110mm pipe sizes	 Butt Welding Machine
PFDSPD061800	Suitable for butt welding of 90mm to 200mm sizes.	 Heating Plate for Butt Welding SPD 61800			

THE SYSTEM

Recently company has come out with a wide range of bath fittings in engineering plastic materials. These bath fittings are introduced under the brand name of "Aquakraft". Our products are designed with world class innovative technology which follows latest market trends including taps, showers, health faucets, valves and other utility parts. We manufacture these bath fittings using 100% virgin material and adopting stringent quality parameters which ensures leak free, drip free and long lasting products. This is ensured through life cycle test and is featured with excellent resistance to chemicals and salt deposits besides economy and user friendliness.

We employ a world class manufacturing facility using efficient injection moulding machines and a robotic system for assembling for these touch free world class bath fittings.

SPECIAL FEATURES

CORROSION FREE
LEAK FREE
DRIP FREE

Acer Series (Quarter Turn)

Item Code	Size in mm	Box qty.	
Super Bib Tap with Flange (Ivory)			
TAPSBQAY01	15	78	
Super Bib Tap with Flange - 7 Inch (Ivory)			
TAPSB7QY01	15	52	
Right Angle Tap (Ivory)			
TAPRAQAY01	15	90	
Super Wall Sink Tap (Ivory)			
TAPWSQAY01	15	27	

FEATURES AND BENEFITS

- Easy to fix
- Long life due to no metal parts in function
- Spindle can be replaced easily
- Aerators can be cleaned easily
- All taps are of standard 1/2" BSP threads and can be replaced easily
- UV-stabilized, fatigue resistance and having high flexural strength
- Made out of engineering plastics
- No fading of colour, no dust of salt sedimentation
- No moisture effect, like black spots
- Can be used for hot and cold application upto 65°C
- Light in weight
- Cost effective
- Excellent style and finish besides being environmental friendly

Item Code	Size in mm	Box qty.	
Super Bib Tap with Flange (0'Black)			
TAPSBQMW01	15	78	
Super Bib Tap with Flange - 7 Inch (0'Black)			
TAPSB7QMW1	15	52	
Right Angle Tap (0'Black)			
TAPRAQMW01	15	90	
Super Wall Sink Tap (0'Black)			
TAPWSQMW01	15	27	

These products are also available in milky white colour.

Elegant Series (Quarter Turn)

Item Code	Size in mm	Box qty.
Elegant Bib Tap (Ivory)		
TAPSBQET01 (Without Flange)	15	78
TAPSBQFET1 (With Flange)	15	78
Elegant Bib Tap with Flange - 7 Inch (Ivory)		
TAPSB7ET01	15	56
Elegant Right Angle Tap (Ivory)		
TAPRAQET01	15	90
Elegant Garden Tap/ Washing Machine Tap (Ivory)		
TAPSGTET01 (Garden Tap)	15	80
TAPSWTET01 (Washing Machine Tap)	15	80
Elegant Pillar Tap (Ivory)		
TAPPTQET01	15	63
Elegant 2-Way Super Bib Tap (Ivory)		
TAPS2WET01	15	27
Elegant Wall Sink Tap (Ivory)		
TAPWSQET01	15	27
Elegant Two Way Right Angle Tap (Ivory)		
TAP2WRET01	15	45



















Item Code	Size in mm	Box qty.
Elegant Bib Tap (O'Black)		
TAPSBQEM01 (Without Flange)	15	78
TAPSBQFEM1 (With Flange)	15	78
Elegant Bib with Flange -7 Inch (O'Black)		
TAPSB7EM01	15	56
Elegant Right Angle Tap (O'Black)		
TAPRAQEM01	15	90
Elegant Garden Tap/ Washing Machine Tap (O'Black)		
TAPSGTEM01 (Garden Tap)	15	80
TAPSWTEM01 (Washing Machine Tap)	15	80
Elegant Pillar Tap (O'Black)		
TAPPTQEM01	15	63
Elegant 2-Way Super Bib Tap (O'Black)		
TAPS2WEM01	15	27
Elegant Wall Sink Tap (O'Black)		
TAPWSQEM01	15	27
Elegant Two Way Right Angle Tap (O'Black)		
TAP2WREM01	15	45



These products are also available in milky white colour.

Classic Series (Quarter Turn)

Item Code	Size in mm	Box qty.		Item Code	Size in mm	Box qty.	
Classic Bib Tap (Ivory)				Classic Bib Tap (O'Black)			
TAPSBQCT01 (Without Flange)	15	78		TAPSBQCM01 (Without Flange)	15	78	
TAPSBQFCT1 (With Flange)	15	78		TAPSBQFCM1 (With Flange)	15	78	
Classic Bib Tap with Flange - 7 Inch (Ivory)				Classic Bib with Flange -7 Inch (O'Black)			
TAPSB7CT01	15	52		TAPSB7CM01	15	52	
Classic Right Angle Tap (Ivory)				Classic Right Angle Tap (O'Black)			
TAPRAQCT01	15	90		TAPRAQCM01	15	90	
Classic Garden Tap/ Washing Machine Tap (Ivory)				Classic Garden Tap/ Washing Machine Tap (O'Black)			
TAPSGTCT01 (Garden Tap)	15	80		TAPSGTCM01 (Garden Tap)	15	80	
TAPSWTCT01 (Washing Machine Tap)	15	80		TAPSWTCM01 (Washing Machine Tap)	15	80	
Classic Pillar Tap (Ivory)				Classic Pillar Tap (O'Black)			
TAPPTQCT01	15	63		TAPPTQCM01	15	63	
Classic 2-Way Super Bib Tap (Ivory)				Classic 2-Way Super Bib Tap (O'Black)			
TAPS2WCT01	15	27		TAPS2WCM01	15	27	
Classic Wall Sink Tap (Ivory)				Classic Wall Sink Tap (O'Black)			
TAPWSQCT01	15	27		TAPWSQCM01	15	27	
Classic Two Way Right Angle Tap (Ivory)				Classic Two Way Right Angle Tap (O'Black)			
TAP2WRCT01	15	45		TAP2WRCM01	15	45	

These products are also available in milky white colour.

AQUATIC Chrome Series

Item Code	Size in mm	Box qty.		Item Code	Size in mm	Box qty.	
Bib Tap Quarter Turn				Rectangle Hand Shower			
TAPQBTA01		50		TAPHSRCA01		100	
Right Angle Tap Quarter Turn				Super Hand Shower			
TAPQRTCA01		50		TAPHSSCA01		100	
Pillar Tap Quarter Turn				Telephonic Hand Shower			
TAPQPTCA01		50		TAPHSTCA01		100	
2 in 1 Bib Tap Quarter Turn				Sleek Faucet			
TAPQ2WCA01		50		TAPFASLCA1		50	
Square Shower TAPSQS4CA1 - 4" TAPSQS6CA1 - 6"				Classic Faucet			
TAPROSDCA1		60		TAPFACLCA1		50	
Disc Round Shower				Curve Faucet			
TAPROSACA1		100		TAPFACUCA2		50	
Ambit Round Shower				Flush Valve			
TAPROSMCA1		60		TAPFLVEA32	32 mm (1 1/4")	FT 12	
Round Mini Shower				Concealed body with exposed shut off provision and Ø 125 mm circular plate.			
TAPRSRSLCA1		16		Concealed Mixer Diverter			
Desire Sensor Rain Shower				TAPCMDAY01 3/4" 12			
TAPSRSDCA1		16		TAPDWFAY01 3/4" 12			
Luxury Sensor Rain Shower				(Assembly)			
TAPMSOCA01		18		(Flange & Handle)			
Magnetic Shower (Orbit)							
TAPMSOCA01		18					

Taps

Push Tap with flange

TAPPTFAY01 (Ivory)	15	85
TAPPTFMW01 (Milky White)	15	85



Wonder Tap

TAPWONTA01	15	100
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Shower & Faucet

N-Shower

TAPNSHAY01 (Ivory)	15	32
TAPNSHMW01 (Milky White)	15	32



Tap Flow Control Shower

TAPFCSAY01	15	50
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Faucet 2-in-1 (Body)

TAPFBAY01 (Ivory)	15	75
TAPFBAY02 (Milky White)	15	75



Faucet 2-in-1

TAPFA1AY01 (with 1m)	15	32
TAPFA2AY01 (with 1.5m)	15	32
TAPFA1MW01 (with 1m) Milky White	15	32
TAPFA2MW01 (with 1.5m) Milky White	15	32



Bathroom Accessories

Waste Coupling

TAPWACAY01 (Ivory)	32	100
TAPWACAY02 (Milky White)	32	100



PVC Waste Pipe

TAPWPTAY01 (Ivory)	32	60
TAPWPTMW01 (Milky White)	32	60

Available in 750mm length



Braded Connection Tube

TAPCOTBT01 (With 1.5 ft.)	15	60
TAPCOTBT02 (With 2 ft.)	15	60



Urinal Jet Spray

TAPUJSAY01		105
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Foot Valve (Flap Type)

TAPFOTFL25	25	80
TAPFOTFL32	32	60
TAPFOTFL40	40	52
TAPFOTFL50	50	46

*65



Corrugated Waste Pipe

TAPWPCAY01		50
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Commode Spray (Ivory)

TAPCOMAY01	15	125
TAPCSHAY01 (with 1m Hose)	15	32



Bottle Trap

TAPBOTAY01 (Ivory)		12
TAPBOTAY02 (Milky White)		12



Foot Valve (Spring Type)

TAPFOTVA01	25	99
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Connection Tube

TAPCOTAY01 (With 1.5 ft.)	15	100
TAPCOTAY02 (With 2 ft.)	15	100
TAPPVCTAY1 (With 1m)	15	75
TAPPVCTAY2 (With 1.5m)	15	50

Also available in Milky White



* Marked fittings will be shortly introduced.

Item Code	Size in mm	Box qty.
Float Valve		
TAPFVBAY01	15	30
TAPFVBAY02	20	26
TAPFVBAY03	25	10
TAPFVBAY04	32	10
TAPFVBAY05	40	10

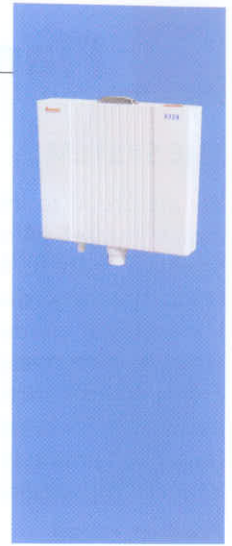


Flush Tank (Single Flush)

TAPNFCMW01 (White)	6
TAPNFTW01 (Ivory)	6



Item Code	Size in mm	Box qty.
Flush Tank (Dual Flush)		
TAPAFCAT01 (White)		6
TAOAFCAIV1 (Ivory)		6



THE SYSTEM

We are proud to introduce one more innovative product in Indian market which is Supreme FlameGuard® C-PVC Fire Sprinkler system. Supreme FlameGuard® is manufactured from specially developed C-PVC compound. Supreme FlameGuard® products provide a cost effective yet effective alternative to metal pipe systems with advantages of high corrosion resistance, improved hydraulics, comparatively very easy and quick installation. C-PVC fire sprinkler system is based on proven products that has been in continuous use for over 35 years. The system is approved by UL®.

Product range

Pipes - Supreme FlameGuard® C-PVC fire sprinkler pipes are available in ¾" to 3" dia and they conform to IS:16088 standards for SDR 13.5 C-PVC pipe.

Fittings - Supreme provides a complete range of FlameGuard® fittings imported from Spears® USA. The fittings range includes special metal insert sprinkler head adapters, Special Reinforced (SR) head adapters, Revolutionary Gasket Sealed and Thread Sealant free head adapters.

Fields of application

Supreme FlameGuard® C-PVC fire sprinkler products are UL listed for light hazard occupancies as defined in NFPA 13, residential occupancies up to and including 4 - storeyed buildings as defined in NFPA 13R, residential occupancies for one and two family dwellings and manufactured homes as defined in NFPA 13D.

Few examples of light hazard occupancies are as follows:-

- High rise buildings - residential buildings, hotels, data processing centers etc.
- Educational institutes and hospitals.
- 1 or 2 family dwellings.

FEATURES AND BENEFITS

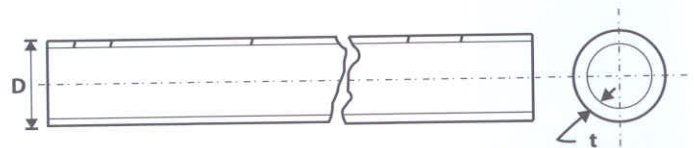
Corrosion resistant C-PVC material does not encourage biological growth - Unlike metal systems, Supreme FlameGuard® C-PVC products never rust or are not prone to scaling or pitting and do not encourage biological growth - a cause of Microbiologically Influenced Corrosion (MIC) which could destroy metal fire sprinkler systems from the inside out.

Superior flow characteristics for lower friction losses - The smooth-wall interior surfaces of Supreme FlameGuard® C-PVC systems result in reduced friction loss over metal systems resulting in a quick discharge of water in times of need. The design flow remain constant throughout the life of the product as there is no interior corrosion in the system due to microbiological activity.

Pressure rated to 12 bar (175psi) @ 65°C (150°F) - Supreme FlameGuard® C-PVC products are produced in a combinations of SCH 40 and SCH 80 class. Fitting conform to ASTM F 438 or F 439 standards and FlameGuard® SDR 13.5 C-PVC fire sprinkler pipes conform to ASTM F 442 standards. UL rated working pressure is 12 bar (175psi) @ 65°C (150°F).

Simple and easy installation resulting in lower costs - Supreme FlameGuard® C-PVC system installations significantly reduce costs over conventional metal piping by virtually eliminating prefabrication. Systems can be fully installed on site using solvent cement joining methods.






UL listed (UL 1821) for NFPA 13, 13R and 13D systems - Supreme FlameGuard® C-PVC system is UL-1821 listed. UL certificate no. is 20150729-EX26525.










PIPES

Nominal size		Outside diameter		Wall thickness SDR 13.5		Working Pressure
mm	inch	Avg. (mm)	Tolerance (mm)	Min (mm)	Tolerance (mm)	
20	¾"	26.7	0.10	1.98	0.51	
25	1"	33.4	0.13	2.46	0.51	
32	1¼"	42.2	0.13	3.12	0.51	
40	1½"	48.2	0.15	3.58	0.51	
50	2"	60.3	0.15	4.47	0.53	
65	2½"	73.0	0.18	5.41	0.66	
80	3"	88.9	0.20	6.58	0.79	








FITTINGS

Item Code	Size in mm	Size in inch	SCH	
MC1P4CPL002O	20	¾	40	 Coupler
MC1P4CPL003O	25	1	40	
MC1P4CPL004O	32	1¼	40	
MC1P8CPL005O	40	1½	80	
MC1P8CPL006O	50	2	80	
MC1P8CPL007O	65	2½	80	
MC1P8CPL008O	80	3	80	
MC1P4ELB002O	20	¾	40	 Elbow 90°
MC1P4ELB003O	25	1	40	
MC1P4ELB004O	32	1¼	40	
MC1P8ELB005O	40	1½	80	
MC1P8ELB006O	50	2	80	
MC1P8ELB007O	65	2½	80	
MC1P8ELB008O	80	3	80	
	*25x20	1x¾	40	 Reducing Elbow
MC1P4BDF002O	20	¾	40	
MC1P4BDF003O	25	1	40	
MC1P4BDF004O	32	1¼	40	
MC1P8BDF005O	40	1½	80	
MC1P8BDF006O	50	2	80	
MC1P8BDF007O	65	2½	80	
MC1P8BDF008O	80	3	80	
MC1P4TEE002O	20	¾	40	 Equal Tee
MC1P4TEE003O	25	1	40	
MC1P4TEE004O	32	1¼	40	
MC1P8TEE005O	40	1½	80	
MC1P8TEE006O	50	2	80	
MC1P8TEE007O	65	2½	80	
MC1P8TEE008O	80	3	80	
MC1P4RET3X2O	25x20	1x¾	40	 Reducing Tee
4100066	32x20	1¼x¾	40	
4100064	32x25	1¼x1	40	
4100035	40x20	1½x¾	80	
MC1P8RET5X3O	40x25	1½x1	80	
4100029	40x32	1½x1¼	80	
4100125	50x20	2x¾	80	
MC1P8RET6X3O	50x25	2x1	80	
4100116	50x32	2x1¼	80	
MC1P8RET6X5O	50x40	2x1½	80	
4100092	65x25	2½x1	80	
4100091	65x32	2½x1¼	80	
4100090	65x40	2½x1½	80	
4100098	65x50	2½x2	80	
4100152	80x25	3x1	80	
4100151	80x32	3x1¼	80	
4100150	80x40	3x1½	80	
4100156	80x50	3x2	80	
4100153	80x65	3x2½	80	

*Marked fittings will be shortly introduced.

Item Code	Size in mm	Size in inch	SCH	
4100046	20	¾	40	 Cross Tee
MC1P4CRT003O	25	1	40	
MC1P4CRT004O	32	1¼	40	
MC1P8CRT005O	40	1½	80	
MC1P8CRT006O	50	2	80	
MC1P8CRT007O	65	2½	80	
MC1P8CRT008O	80	3	80	
4100144	20	¾		 Union
4100075	25	1		
4100060	32	1¼		
4100053	40	1½		
4100097	50	2		
4100083	25x20	1x¾	40	
4100044	32x20	1¼x¾	40	
4100063	32x25	1¼x1	40	 Reducer
4100034	40x20	1½x¾	40	
4100055	40x25	1½x1	40	
4100028	40x32	1½x1¼	40	
4100524	50x20	2x¾	80	
4100121	50x25	2x1	80	
MC1P8RED6X4O	50x32	2x1¼	80	
MC1P8RED6X5O	50x40	2x1½	80	
MC1P8RED7X5O	65x40	2½x1½	80	 End Cap
MC1P8RED7X6O	65x50	2½x2	80	
MC1P8RED8X6O	80x50	3x2	80	
MC1P8RED8X7O	80x65	3x2½	80	
MC1P4ECP002O	20	¾	40	
MC1P4ECP003O	25	1	40	
MC1P4ECP004O	32	1¼	40	
MC1P8ECP005O	40	1½	80	 Reducer Bushing
MC1P8ECP006O	50	2	80	
MC1P8ECP007O	65	2½	80	
MC1P8ECP008O	80	3	80	
MC1P4REB3X2O	25x20	1x¾	40	
MC1P4REB4X2O	32x20	1¼x¾	40	
MC1P4REB4X3O	32x25	1¼x1	40	
MC1P8REB5X2O	40x20	1½x¾	80	
MC1P8REB5X3O	40x25	1½x1	80	
MC1P8REB5X4O	40x32	1½x1¼	80	
MC1P8REB6X2O	50x20	2x¾	80	 Sprinkler Head Tee (Brass Thread)
MC1P8REB6X3O	50x25	2x1	80	
MC1P8REB6X4O	50x32	2x1¼	80	
MC1P8REB6X5O	50x40	2x1½	80	
MC1P8REB7X4O	65x32	2½x1¼	80	
MC1P8REB7X5O	65x40	2½x1½	80	
MC1P8REB7X6O	65x50	2½x2	80	
MC1P8REB8X6O	80x50	3x2	80	
MC1P8REB8X7O	80x65	3x2½	80	
4100272	20x15	¾x½		 Sprinkler Head Tee (Brass Thread)
4100270	25x15	1x½		
4100269	32x15	1¼x½		
4100267	40x15	1½x½		

FITTINGS

Item Code	Size in mm	Size in inch		Item Code	Size in mm	Size in inch		
4100266	20x15	¾x½	 <p>Sprinkler Head Tee (SR Plastic Thread) (Soc x SR FPT)</p>	4100076	*20x15	¾x½	 <p>Female Sprinkler Head Adapter</p>	
4100271	25x15	1x½			25x15	1x½		
4100268	32x15	1¼x½			*25x20	1x¾		
4100134	20	¾	 <p>Flange (one piece)</p>	4100142	20	¾	 <p>Male Adapter (Brass)</p>	
4100073	25	1						
4100058	32	1¼						
4100051	40	1½						
4100113	50	2						
4100102	65	2½						
4100560	80	3						
4100039	32	1¼	 <p>Grooved Coupling</p>	4100145	20x15	¾x½	 <p>Torque Safe 90° Sprinkler Head Elbow</p>	
4100027	40	1½			4100075	25x15		1x½
4100112	50	2			4100040	*25x20		1x¾
4100088	65	2½				32x15		1¼x½
4100128	80	3				*32x20		1¼x¾
4100141	20	¾	 <p>Female Adapter (Brass)</p>	4100544	Pint (473.17ml)	 <p>One Step Solvent Cement</p>		
4100068	25	1			4100231		Quart (946.35ml)	
4100038	32	1¼						
4100026	40	1½						
	*50	2						

*Marked fittings will be shortly introduced.

THE SYSTEM

To meet the demand for quality water storage tanks, we have introduced superior water tanks under the brand name, 'SILTANK'. Supreme Siltanks are made using virgin raw material in capacities from 100 to 10000 ltrs. Siltank overhead tanks are available in two layered, three layered and four layered design in different colours including the ISI variety in black colour. The white coloured four layered tanks are thermally insulated using foam layer to reduce the effects of sunlight keeping water cool in summers and preventing from getting too cold during winters. Loft tanks in different sizes and varieties have also made available to complete the range. Besides elegant, the design of these rib structured tanks made from special compound makes these tanks much stronger and durable. Siltanks are much superior to any other water tank available in the market in terms of strength and performance. In short, Siltank is a "value for money proposition" that delight our customers.

FEATURES AND BENEFITS

Rotationally moulded for maximum strength and better performance.

100% Virgin raw material- Promises superior quality and a long lasting performance.

Strong and durable - Unique and innovative design of the ribs makes it strong and sturdy as compared to regular

products available in the market. This unique feature gives an edge to the Siltank over others preventing it from bulging when filled with water. Siltank has a very good impact strength and is virtually unbreakable.

Thermal insulation - Provision of a foam layer in the tank improves the insulation and keeps water cool in summers. It also prevents water from getting too cold in winters maintaining a temperature difference of around 15°C from the environment.

UV-stability - UV stabilization prevents degradation of material due to adverse effects of ultraviolet rays and ensures that there is no cracking or loss of physical properties.

Suitable for drinking water - Use of food grade virgin plastic ensures its suitability for potable water as the quality of water does not get affected even when stored for a long period.

Easy installation - Built in provision of hooks for lifting the tank to higher floors, makes installation comparatively easy.


Strong covers - Specially designed injection moulded covers are much stronger and its simple threaded design provides ease in opening and closing.

Full capacity guaranteed - Unlike commercial tanks the storage capacity of Supreme Siltank is equal or exceed to the stated capacity. You get what you see.

Assured quality - Rigorously tested to ensure the quality. Meets and exceeds all quality parameters as specified in BIS.

Product Range

Item Code	Size in ltrs.
RLTOWT0502BK	500
RLTOWT0752BK	750
RLTOWT1002BK	1000
RLTOWT1502BK	1500
RLTOWT2002BK	2000
RLTOWT3002BK	3000
RLTOWT5002BK	5000
RLTOWT10000B	10000



Two Layer Overhead Water Tank

Item Code	Size in ltrs.
RLTOWT0203BL	200
RLTOWT0313BL	300
RLTOWT0513BL	500
RLTOWT0713BL	750
RLTOWT1013BL	1000
RLTOWT1513BL	1500
RLTOWT2003BL	2000
RLTOWT3003BL	3000
RLTOWT5003BL	5000



Three Layer Overhead Water Tank

Item Code **Size in ltrs.**

RLTOWT0503LB	500
RLTOWT0753LB	750
RLTOWT1003LB	1000
RLTOWT1503LB	1500
RLTOWT2003LB	2000



Three Layer Overhead Water Tank

Item Code **Size in ltrs.**

RLTOWT0314YE	300
RLTOWT0504YE	500
RLTOWT0754YE	750
RLTOWT1004YE	1000
RLTOWT1504YE	1500
RLTOWT2004YE	2000



Four Layer Overhead Water Tank

RLTOWT0313GD	300
RLTOWT0513GD	500
RLTOWT0713GD	750
RLTOWT1013GD	1000
RLTOWT1503GD	1500
RLTOWT2003GD	2000
RLTOWT3003GD	3000
RLTOWT5003GD	5000



Three Layer Overhead Water Tank

RLTOWT0200WH	200
RLTOWT0314WH	300
RLTOWT0504WH	500
RLTOWT0754WH	750
RLTOWT1004WH	1000
RLTOWT1504WH	1500
RLTOWT2004WH	2000
RLTOWT3004WH	3000
RLTOWT5004WH	5000



Four Layer Overhead Water Tank

RLTOWT0503YE	500
RLTOWT0753YE	750
RLTOWT1003YE	1000
RLTOWT1503YE	1500
RLTOWT2003YE	2000
RLTOWT3003YE	3000
RLTOWT5003YE	5000



Three Layer Overhead Water Tank

RLTOWT0505BK	500
RLTOWT0705BK	700
RLTOWT1005BK	1000
RLTOWT1505BK	1500
RLTOWT2005BK	2000
RLTOWT3005BK	3000
RLTOWT5005BK	5000



Two Layer Overhead Water Tank (ISI Mark)

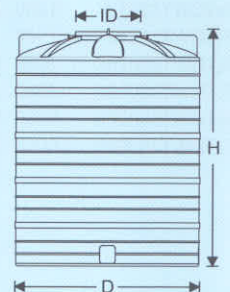
RLTOWT0203WH	200
RLTOWT0313WH	300
RLTOWT0503WH	500
RLTOWT0753WH	750
RLTOWT1003WH	1000
RLTOWT1503WH	1500
RLTOWT2003WH	2000
RLTOWT3003WH	3000
RLTOWT5003WH	5000
RLTOWT10000W	10000



Three Layer Overhead Water Tank

Dimension of Siltank overhead water tanks

Size (ltrs)	Layers	Dimensions		
		D	ID	H
200	2/3/4	704	370	703
300	2/3/4	769	370	833
500	2/3/4	868	370	1060
700	2/3/4	1000	370	1168
1000	2/3/4	1071	370	1325
1500	2/3/4	1267	370	1454
2000	2/3/4	1434	460	1503
3000	2/3	1611	460	1733
5000	2/3	1936	460	2047
10000	2/3	2166	460	3100



(all dimensions are in mm)

Siltank Covers

Item Code	Size in ltrs.
MHDTTNKLID501500WH	500 to 1500 (White)
MHDTTNKLID501500BK	500 to 1500 (Black)
MHDTTNKLID501500BL	500 to 1500 (Blue)
MHDTTNKLID501500LB	500 to 1500 (Brown)
MHDTTNKLID501500GD	500 to 1500 (Green)
MHDTTNKLID501500YE	500 to 1500 (Yellow)
MHDTTNKLID205000WH	2000 to 10000 (White)
MHDTTNKLID205000BK	2000 to 10000 (Black)
MHDTTNKLID205000BL	2000 to 5000 (Blue)
MHDTTNKLID205000LB	2000 to 5000 (Brown)
MHDTTNKLID205000GD	2000 to 5000 (Green)
MHDTTNKLID205000YE	2000 to 5000 (Yellow)



Loft Tanks

Item Code	Size in ltrs.	L	Dimensions (mm)			ID
			W	H		
RLTLFT0100NT	100	585	585	373	300	
RLTLFT0150NT	150	715	715	371	300	
RLTLFT0201NT	200	900	500	475	300	
RLTLFT0200NT	200	965	705	385	300	
RLTLFT0300NT	300	1205	825	378	300	
RLTLFT0400NT	400	1195	920	450	300	
RLTLFT0401NT	400	1290	1004	390	300	
RLTLFT0500NT	500	1415	870	490	300	
RLTLFT0501NT	500	1505	996	408	300	



Loft Tanks Covers

MHDPLFTLID200500WH	100/200/300/400/500
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THE SYSTEM

After encouraging response to the “Siltank” - overhead water tanks and “Amrutam” - underground water tanks, we are pleased to offer yet another unique quality product i.e. premium water storage tanks under the brand name of “Weather Shield”. These first of its kind premium overhead water storage tanks are designed to offer many best in class features to meet the requirements of elite class of customers. Weather Shield tanks are made available in five layered design with extra thick foam layer to make it extra strong, durable and most importantly to offer superior thermal insulation properties.

FEATURES AND BENEFITS

Rotationally moulded - for maximum strength and superior performance.

100% virgin, food grade raw material - Besides long lasting performance and superior quality it promises 100% safety and suitability of drinking water and liquid foods even when stored for long durations. Unlike commercial tanks made out of rework material, stored water in weathershield remains unaffected and free from any taste, odor or colour.

Superior thermal insulation - Five layered design with use of extra thick foam layer and insulated covers ensures superior insulation properties and thus it keeps the water cool in summers and reasonably warm during winters. Lab tests have revealed that there is @ 20° C temperature difference between water and the ambient temperature.

Antibacterial - Weathershield tanks are 100% hygienic and safe as the antibacterial grade raw material used for inside layer does not support bacterial growth.

All weather resistance - Outer layer made of UV resistant material helps to prevent degradation due to the effects of ultraviolet rays and keeps it free from any crack development

or loss of physical properties.

Strong and sturdy insulated covers with inbuilt locking provision - Specially designed rotationally moulded threaded covers are not only strong but also very easy for opening and closing, more importantly they are provided with a inbuilt locking provision to safeguard the water against water theft and its contamination.

Provided with water level indicator and pump controller - Provision of water level indicator helps in controlling the water usage. The pump controller automatically stops the pump when the tank gets completely filled with water avoiding the overflow. This function not only help to save the precious water but the energy loss on account of its pumping.

Provision of air vent with SS mesh - This helps to maintain the quality of water by allowing the entry of fresh air inside the tank besides restricting the entry of flies and mosquitoes from being entered in to the tank.

Extra strong and durable design - Elegant and sturdy 5 layered design makes the tank more tough and strong to withstand environmental changes and protect it from bulging when filled with water. These tanks have good impact strength and are virtually unbreakable.


Readymade base plate for easy installation - Looking at the requirement of readymade platform to directly place the water tanks over it, we have introduced readymade base plates. This will not only eliminate the dependence on masons for installation but will also provide firm, leveled and sturdy platform for the tanks. It makes the installation simple and fast.

Provision of inbuilt hooks - Ease the lifting of the tank to the higher floors.

Assured quality - Rigorously tested to ensure the superior quality. Meets and exceeds all quality parameters specified in the BIS Standard.

Product Range


Item Code	Size in ltrs.
	*500
	*750
	*1000



Five Layer Premium Overhead Water Tank


* Marked sizes will be shortly introduced.

Item Code	Size in ltrs.
	*500 to 1000



Covers (Lid)

*500
*750
*1000



Base Plate

THE SYSTEM

Supreme Amrutam underground water tanks is another innovative, highly useful and a superior product. These ready to use plastic tanks offer multiple advantages over conventional concrete and masonry tanks and are intended to replace the same. Conventional tanks are normally prone to cracks, seepage and root penetration etc. Besides cumbersome and time consuming construction and need for repeated maintenance, the life span of these concrete tanks is short and uncertain. On the other hand, Supreme Amrutam underground water tanks are beyond these problems and offer many great additional features.

FEATURES AND BENEFITS

Rotationally moulded - Supreme Amrutam underground water tanks are manufactured by rotational moulding process which produces a one piece, seamless, watertight product.

Unique single piece patented design - Amrutam underground water tanks have unique patented design.

Great strength - robust in design with a unique ribbed structure provides superior structural integrity to the tank.

Product Range

Item Code	Size in ltrs.
RLTUWT1000TC	1000
RLTUWT1500TC	1500
RLTUWT1800TC	1800
RLTUWT2000TC	2000
RLTUWT3000TC	3000

Item Code	Size in ltrs.
RLTUWT6000TC	6000 (Stand-alone)
RLTUWT0100TC	10000 (Domed end 5000 ltr x 2 nos.)
RLTUWT0140TC	14000 (Domed end 5000 ltr x 2 nos. + Inner 4000 ltrs x 1 no.)
	*16000 (Domed end 5000 ltr x 2 nos. + Inner 6000 ltrs x 1 no.)
RLTUWT0180TC	18000 (Domed end 5000 ltr x 2 nos. + Inner 4000 ltrs x 2 nos.)
	*20000 (Domed end 5000 ltr x 2 nos. + Inner 4000 ltrs x 1 no. + Inner 6000 ltrs x 1 no.)
RLTUWT0220TC	22000 (Domed end 5000 ltr x 2 nos. + Inner 4000 ltrs x 3 nos. / Inner 6000 ltrs x 2 nos.)
	*24000 (Domed end 5000 ltr x 2 nos. + Inner 4000 ltrs x 2 nos. + Inner 6000 ltrs x 1 no.)
RLTUWT0260TC	26000 (Domed end 5000 ltr x 2 nos. + Inner 4000 ltrs x 4 nos. / Inner 6000 ltrs x 2 nos. + Inner 4000 ltrs x 1 no.)
	*28000 (Domed end 5000 ltr x 2 nos. + Inner 6000 ltrs x 3 nos. / Inner 6000 ltrs x 1 no. + Inner 4000 ltrs x 3 nos.)
RLTUWT0300TC	30000 (Domed end 5000 ltr x 2 nos. + Inner 4000 ltrs x 5 nos. / Inner 6000 ltrs x 2 nos. + Inner 4000 ltrs x 2 nos.)

Tanks upto 90000 ltrs are also made available.

Making it very strong to meet various loading and handling requirements.

Simple and quick installation - Amrutam ready to use pre-manufactured water tanks are light in weight and hence the installation becomes very simple and quick. Minimum requirement of excavation further saves a lot of time and costs. Installation of these tanks can be carried out even by unskilled workers with proper training. Amrutam polyethylene underground water tanks are designed for durability, easy and quick installation and can be transported to the job site in a pickup van.

Minimum space requirement - Being available in ready to use form and are vertical in design these tanks can be installed in minimum space with minimum excavation.

100% Watertight

Hygienic and Safe - Free from root penetration, corrosion and biological growth.

Provided with air tight threaded covers.

Minimal maintenance ensures economy over a period of time.

Long Life - minimum 50 years of service life

Eco-friendly



Underground Water Tank (Vertical)



Underground Water Tank (Modular)

* Marked sizes will be shortly introduced.

THE SYSTEM

Supreme is the pioneer in introducing this efficient S.W.R. drainage system in India. It has successfully replaced conventional CI and AC drainage systems. The Supreme S.W.R. drainage system is designed for quick and efficient removal of waste without leakage. It is highly resilient, tough and durable with high tensile and impact strength. Moreover it is free from scale formation, rusting, weathering and chemical action. It is virtually immune to attack from bacteria, fungi, micro-organisms and insects. Thus, the system is a long term solution for building drainage with estimated life over 50 years. In addition to the various benefits, it is more cost effective than any conventional drainage system and is approved by MCGM.

Product specifications and range

Pipes are available in 50 to 160mm sizes and fittings are available in 40 to 160mm sizes. Pipes conform to IS:13592-92 and fittings conform to IS:14735-99.

FEATURES AND BENEFITS

High quality and wide range – The system consists of pipes and a wide range of fittings with various traps and accessories which makes the system complete in all respect and hence customer need not depend on conventional systems. A range of fittings are available in pasted and fix 'O' ring type joints.

Quick and efficient removal of waste without leakage - Mirror smooth and restriction free inner surface of pipes and

fittings ensure superior flow characteristics making the system free from problems of clogging and drain choke-up. System is completely leak-proof and designed to maintain high standards of hygiene.

Strong and long lasting - This system is highly resilient, tough and durable with high tensile strength and high impact strength. Moreover it is free from problems caused by scale formation, rusting, weathering and chemical action and hence it lasts for a lifetime.

Excellent chemical and corrosion resistance - Being non-metallic, this system is completely free from corrosion and offers very good resistance to wide range of chemicals.

UV resistance - It eliminates the adverse effects of sunlight and weather and can safely used for outdoor installations.

Quick and convenient installation - Being extremely light in weight and provided with special rubber jointing technique, installation of this system becomes very easy.

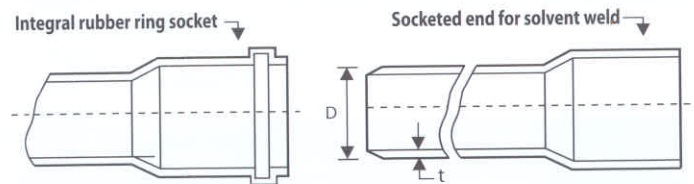
Adequate and easy access for cleaning and clearing obstructions.

Low maintenance - Once installed Supreme S.W.R. drainage system needs minimal maintenance.

Cost effective - Supreme S.W.R. drainage system is more cost effective than any conventional drainage system.





















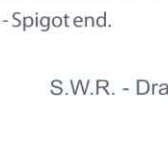
PIPES


















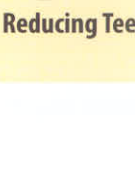
Pipes conform to IS:13592-1992

Nominal outside diameter (D) in mm	Tolerance on outside diameter (mm)	Wall thickness (t) in mm			
		Type-A		Type-B	
		Min	Max	Min	Max
50	+ 0.3	1.8	2.2	3.2	3.8
63	+ 0.3	1.8	2.2	3.2	3.8
75	+ 0.3	1.8	2.2	3.2	3.8
90	+ 0.3	1.9	2.3	3.2	3.8
110	+ 0.4	2.2	2.7	3.2	3.8
160	+ 0.5	3.2	3.8	4.0	4.6




















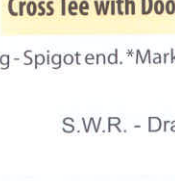


FITTINGS

Item Code	Size in mm	Socket Type	Box qty.		Item Code	Size in mm	Socket Type	Box qty.	
MP1SRRCP090L	90	RxR	60		NP1SPTDB075L	75	SxSpg	60	
MP1SRPCP050L	50	RxR	120		NP1SPTDB090L	90	SxSpg	36	
MP1SRPCP075L	75	RxR	40		NP1SPTDB110L	110	SxSpg	20	
MP1SRPCP110L	110	RxR	36						
MP1SRPCP160L (Fix 'O' Ring)	160	RxR	18						
NP1SRHCP075L	75	CRxCR	116	NP1SRPDB111L (Fix 'O' Ring)	110x50	RxSpg	18		
NP1SCRCP110L	110	CRxCR	36						
NP1UCRCP200G	200	CRxCR	4		FPS0DBL110LG	110	RxSpg	16	
					FPS0DBR110LG	110	RxSpg	16	
MP1SPTCP075L	75	SxS	60						
MP1SPTCP110L	110	SxS	60		NP1SPTDE050L	50	SxS	75	
MP1SPTCP161L	160	SxS	16		NP1SPTDE063L	63	SxS	80	
					NP1SPTDE160L	160	SxS	7	
MP1SRRRC075L	75	RxR	91						
MP1SRRRC110L	110	RxR	36		NP1SCRSB111L	110	CRxCR	10	
MP1SRPRC110L	110	RxR	36						
MP1SRPRC160L (Fix 'O' Ring)	160	RxR	18						
					MP1SPTBE075L	75	SxSpg	65	
					MP1SPTBE090L	90	SxSpg	45	
MP1SRRCP076L	75	RxS	120		MP1SPTBE110L	110	SxSpg	25	
MP1SRRCP112L	110	RxS	45		MP1SPTBR160L	160 (Rib)	SxSpg	7	
	110	CRxCR	45						
									
MP1SRPBE050L	50	RxSpg	80		NP1SRPDB050L	50	RxSpg	60	
MP1SRPBE075L	75	RxSpg	26		NP1SRPDB075L	75	RxSpg	24	
MP1SRPBE090L	90	RxSpg	36	NP1SRPDB090L	90	RxSpg	30		
MP1SRPBE110L	110	RxSpg	21	NP1SRPDB110L	110	RxSpg	18		
MP1SRPBE160L (Fix 'O' Ring)	160	RxSpg	7	NP1SRPDB160L (Fix 'O' Ring)	160	RxSpg	7		
									
NP1SCRBE075L	75	CRxSpg	65		MP1SRPBF050L	50	RxSpg	95	
NP1SCRBE110L	110	CRxSpg	24		MP1SRPBF075L	75	RxSpg	80	
					MP1SRPBF090L	90	RxSpg	50	
MP1SPTBE075L	75	SxSpg	65		MP1SRPBF110L	110	RxSpg	30	
MP1SPTBE090L	90	SxSpg	45		MP1SRPBF160L	160	RxSpg	10	
MP1SPTBE110L	110	SxSpg	25						
MP1SPTBR160L	160 (Rib)	SxSpg	7						
									
NP1SRPDB050L	50	RxSpg	60		NP1SRPDB050L	50	RxSpg	60	
NP1SRPDB075L	75	RxSpg	24		NP1SRPDB075L	75	RxSpg	24	
NP1SRPDB090L	90	RxSpg	30	NP1SRPDB090L	90	RxSpg	30		
NP1SRPDB110L	110	RxSpg	18	NP1SRPDB110L	110	RxSpg	18		
NP1SRPDB160L (Fix 'O' Ring)	160	RxSpg	7	NP1SRPDB160L (Fix 'O' Ring)	160	RxSpg	7		
									
NP1SRHDB076L	75	CRxSpg	50		MP1SRPBF050L	50	RxSpg	95	
NP1SCRDB112L	110	CRxSpg	18		MP1SRPBF075L	75	RxSpg	80	
				MP1SRPBF090L	90	RxSpg	50		
				MP1SRPBF110L	110	RxSpg	30		
				MP1SRPBF160L	160	RxSpg	10		















R-Rubbering, CR - Click ring, S - Solvent type (pasted), Spg - Spigot end.

Item Code	Size in mm	Socket Type	Box qty.		Item Code	Size in mm	Socket Type	Box qty.	
NP1SCRBF075L	75	CRxSpg	80		NP1SRDTL110L	110(LH)	RxRxSpg		
NP1SCRBF111L	110	CRxSpg	24		NP1SRDTR110L	110(RH)	RxRxSpg		
MP1SPTBF040L	40	SxS	140		NP1SPDTL110L	110(LH)	SxSxSpg	12	
MP1SPTBF050L	50	SxS	125		NP1SPDTR110L	110(RH)	SxSxSpg	12	
MP1SPTBF063L	63	SxS	65						
MP1SPTBF075L	75	SxSpg	100						
MP1SPTBF090L	90	SxSpg	55						
MP1SPTBF110L	110	SxSpg	36						
MP1SPTBF160L	160 ^(Rib)	SxS	10						
MP1SPTBF161L	160	SxSpg	10						
				Bend 45°					Single Tee with Door (RH/LH)
MP1SPTRF110L	110x75	SxSpg	25		MP1SRPTS075L	75	RxRxSpg	30	
MP1SPTRF111L	110x90	SxSpg	20		NP1SRPTS075L	75	RxRxSpg	30	
				Reducing Bend 45°					Swept Tee
MP1SRPST050L	50	RxRxSpg	50		NP1UCRTS111L	110	CRxCRxCR	12	
MP1SRPST075L	75	RxRxSpg	40		NP1SCRSTS110L	110	CRxCRxSpg	12	
MP1SRPST090L	90	RxRxSpg	24						
MP1SRPST110L	110	RxRxSpg	14						
MP1SRPST160L	160	RxRxSpg	5						
	75	CRxCRxSpg	40						
NP1SRRST110L	110	CRxCRxSpg	16		NP1SRPTD075L	75	RxRxSpg	30	
MP1SPTST075L	75	SxSxSpg	54		NP1SRPTD075L	75	RxRxSpg	30	
MP1SPTST090L	90	SxSxSpg	36		NP1SCRDT111L	110	CRxCRxSpg	12	
MP1SPTST110L	110	SxSxSpg	18						
					Single Tee	NP1SPTTD075L	75	SxSxSpg	16
NP1SRPDT050L	50	RxRxSpg	40		MP1SRPRT090L	90x75	RxRxSpg	36	
NP1SRPDT075L	75	RxRxSpg	33		MP1SRPRT110L	110x75	RxRxSpg	20	
NP1SRPDT090L	90	RxRxSpg	20		MP1SRPRT111L	110x90	RxRxSpg	18	
NP1SRPDT110L	110	RxRxSpg	12		MP1SRPRT160L	160x110	RxRxSpg	6	
NP1SRPDT160L	160	RxRxSpg	5						
NP1SRHDT076L	75	CRxCRxSpg	30		MP1SRPRT160L	160x110	RxRxSpg	6	
NP1SCRDT112L	110	CRxCRxSpg	14		MP1SRPRT110L	110x75	RxRxSpg	20	
					MP1SRPRT111L	110x90	RxRxSpg	18	
					MP1SRPRT160L	160x110	RxRxSpg	6	
NP1SRRTD050L	50	SxSxS	110		MP1SPTRT110L	110x75	SxSxSpg	24	
NP1SRRTD063L	63	SxSxS	55						
NP1SPTDT075L	75	SxSxSpg	40						
NP1SPTDT090L	90	SxSxSpg	30						
NP1SPTDT110L	110	SxSxSpg	18						
NP1SPTDT160L	160	SxSxSpg	5						
					Single Tee with Door				Reducing Tee

















R-Rubbering ring, CR - Click ring, S - Solvent type (pasted), Spg - Spigot end.

Item Code	Size in mm	Socket Type	Box qty.		Item Code	Size in mm	Socket Type	Box qty.	
NP1SRRRD090L	90x75 *110x90	RxRxSpg RxRxSpg	24		NP1SCRCT161L	160x110	CRxCRxCRxSpg	6	
NP1SRPRD110L	110x75	RxRxSpg	15		NP1SRRRX110L	110x75	RxRxRxSpg	12	
NP1SRPRD160L	160x110	RxRxSpg	5		NP1SCRDX160L	160x110	CRxCRxCRxSpg	5	
(Fix 'O' Ring)					NP1SPTRD161L	160x75	SxSxSpg	6	
NP1SPTRD160L	160x110	SxSxSpg	5						
					MP1SRPYP050L	50	RxRxSpg	45	
NP1SPDTR160L	160x110 (RH)	SxSxSpg	5		MP1SRPYP075L	75	RxRxSpg	32	
NP1SPDTL160L	160x110 (LH)	SxSxSpg	5		MP1SRPYP110L	110	RxRxSpg	11	
					MP1SRPYP160L	160	RxRxSpg	4	
					(Fix 'O' Ring)				
MP1SRPTS111L	110x75	RxRxSpg	18		NP1SRHYP075L	75	CRxCRxSpg	32	
MP1SRPTS161L	160x110	RxRxSpg	6		MP1SCRYP111L	110	CRxCRxSpg	12	
(Fix 'O' Ring)									
NP1SRPTD111L	110x75	RxRxSpg	12		MP1SPTYP040L	40	SxSxS	55	
NP1SRPTD161L	160x110	RxRxSpg	6		MP1SPTYP050L	50	SxSxS	50	
(Fix 'O' Ring)					MP1A6WYE063L	63	SxSxS	60	
					MP1SPTYP075L	75	SxSxSpg	40	
					MP1SPTYP090L	90	SxSxSpg	24	
					MP1SPTYP110L	110	SxSxSpg	16	
NP1SRPCT075L	75	RxRxRxSpg	30		MP1SPTYP160L	160	SxSxS	4	
NP1SRPCT090L	90	RxRxRxSpg	18						
MP1SRPCT110L	110	RxRxRxSpg	11						
MP1SRPCT160L	160	RxRxRxSpg	3						
(Fix 'O' Ring)									
MP1SPTCT075L	75	SxSxSxSpg	36		NP1SRPYL075L	75 (LH)	RxRxSpg	25	
MP1SPTCT110L	110	SxSxSxSpg	12		NP1SRPYR075L	75 (RH)	RxRxSpg	25	
					NP1SRPYL110L	110 (LH)	RxRxSpg	8	
					NP1SRPYR110L	110 (RH)	RxRxSpg	8	
NP1SRRDX075L	75	RxRxRxSpg	18		(Fix 'O' Ring)				
NP1SRPDX110L	110	RxRxRxSpg	8						
(Fix 'O' Ring)									
NP1SPTDX075L	75	SxSxSxSpg	24		MP1SRPRY110L	110x75	RxRxSpg	16	
NP1SPTDX110L	110	SxSxSxSpg	9		MP1SRPRY111L	110x90	RxRxSpg	18	
					MP1SRPRY161L	160x75	RxRxSpg	8	
					MP1SRPRY160L	160x110	RxRxSpg	5	
					(Fix 'O' Ring)				

R-Rubber ring, CR- Clickring, S- Solvent type (pasted), Spg- Spigot end. *Marked fittings will be shortly introduced.

Item Code	Size in mm	Socket Type	Box qty.		Item Code	Size in mm	Socket Type	Box qty.		
MP1SPTRY110L MP1SPTRY160L	110x75 160x110	SxSxSpg SxSxSpg	20 6		MP1SRPER090L MP1SRPRD110L MP1SRPRD111L MP1SRPRD160L (Fix 'O' Ring)	90x75 110x75 110x90 160x110	SpgxR SpgxR SpgxR SpgxR	40 75 45 24		
				Reducing Y					Eccentric Reducer	
NP1SPTRY160L	160x110	SxSxSpg	5		MP1SPTER075L MP1SPTER110L MP1SPTER111L	75x50 110x50 110x75	SpgxS SpgxS SpgxS	100 40 40		
				Reducing Y with Door					Eccentric Reducing Bush	
MP1SRRY075L	75	RxRxRxSpg	20		MP1SPTSP040L MP1SPTSP050L MP1SPTSP075L MP1SPTSP110L	40 50 75 110	Spg Spg Spg Spg	300 300 75 100		
MP1SRPY090L MP1SRPY110L (Fix 'O' Ring)	90 110	RxRxRxSpg RxRxRxSpg	12 7							
MP1SPTY075L MP1SPTY090L MP1SPTY110L	75 90 110	SxSxSxSpg SxSxSxSpg SxSxSxSpg	24 16 8							
					Double Y					
NP1SRRYD075L	75	RxRxRxSpg	18		MP1SPTBP110L	110x63	SxS	18		
NP1SRPYD090L NP1SRPYD110L (Fix 'O' Ring)	90 110	RxRxRxSpg RxRxRxSpg	10 6							Boss Pipe
NP1SPTYD075L NP1SPTYD090L NP1SPTYD110L	75 90 110	SxSxSxSpg SxSxSxSpg SxSxSxSpg	15 10 6							
					Double Y with Door					
MP1SRPY111L MP1SRPY161L (Fix 'O' Ring)	110x75 160x110	RxRxRxSpg RxRxRxSpg	12 4		MP1SPTBS075L MP1SPTBS076L MP1SPTBS110L MP1SPTBS111L MP1SPTBS113L MP1SPTBS112L	75x40 75x50 110x40 110x50 110x63 110x75	S S S S S S	200 175 84 84 36 36		
					Reducing Double Y					
NP1SRPDY111L NP1SRPDY161L (Fix 'O' Ring)	110x75 160x110	RxRxRxSpg RxRxRxSpg	10 4		NP1SRRCL075L NP1SRRCL090L NP1SRRCL110L	75 90 110	RxSpg RxSpg RxSpg	18 30 20		
					Reducing Double Y with Door					
MP1SRRY075L	75	RxSpgxSpg	32		NP1SRPCL075L NP1SRPCL110L (Fix 'O' Ring)	75 110	RxSpg RxSpg	22 18		
					Reverse Y	NP1SPTCL075L NP1SPTCL110L NP1SPTCL160L	75 90 110 160	SxSpg SxSpg SxSpg SxS		18 22 24 7

R-Rubber ring, CR-Click ring, S- Solvent type (pasted), Spg- Spigot end.

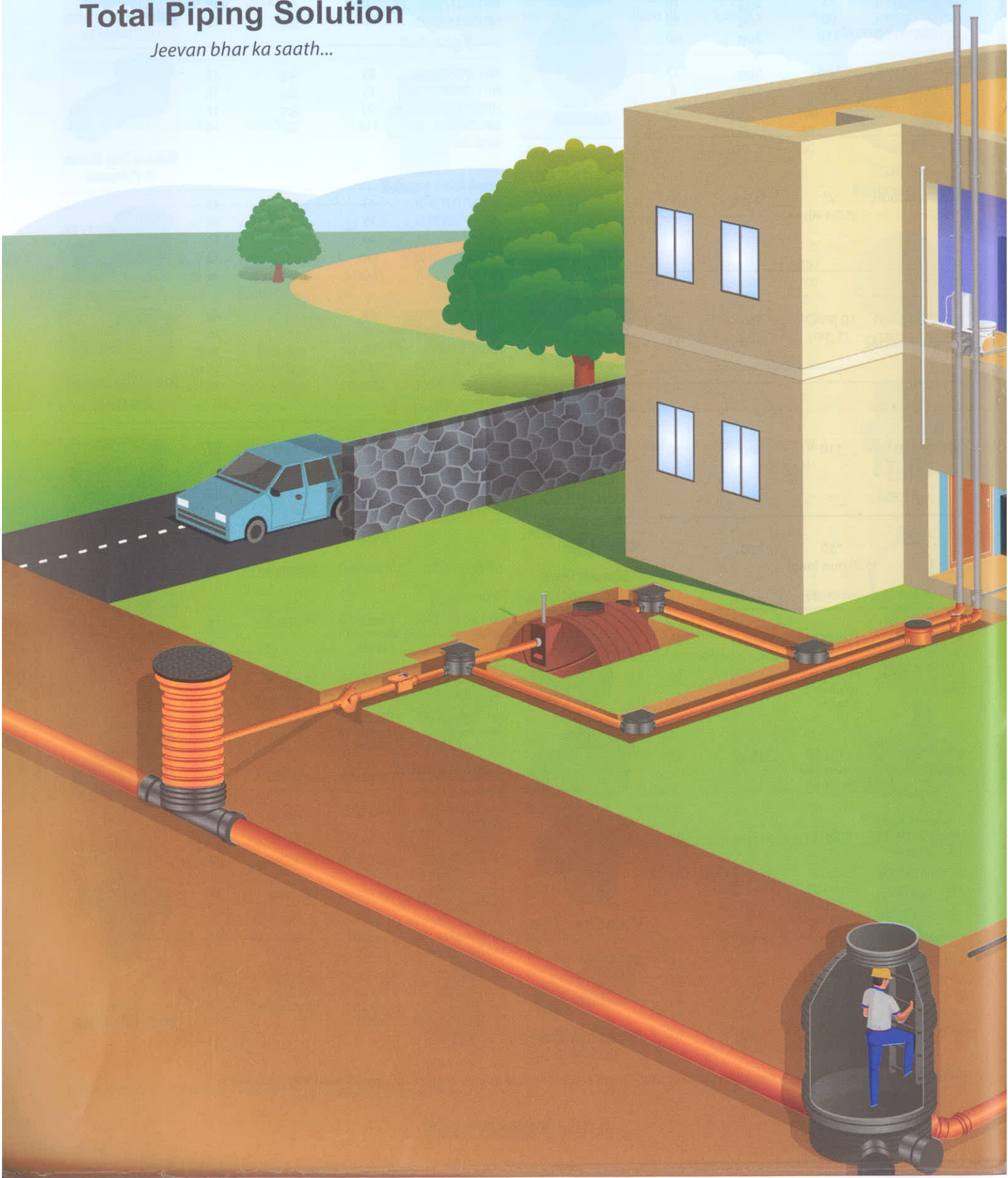
Item Code	Size in mm	Socket Type	Box qty.		Item Code	Size in mm	Socket Type	Box qty.		
NP1SPTCO040L	40	Spg	1000		NP1SPTNT064L	63	Spg	36		
NP1SPTCO050L	50	Spg	400		NP1SPTNT076L	75	Spg	32		
NP1SPTCO063L	63	Spg	125		NP1SPTNT091L	90	S	32		
NP1SPTCO075L	75	Spg	70		NP1SPTNT111L	110	S	21		
NP1SPTCO090L	90	Spg	55		NP1SPTNT076L	75(LW)	Spg	16		
NP1SPTCO110L	110	Spg	60							
NP1SPTCO160L	160	Spg	17		NP1SPTNT065L	63	Spg	12		
NP1SPTCO200L	200	Spg	6		NP1SPTNT077L	75	Spg	12		
					NP1SPTNT092L	90	Spg	12		
					NP1SPTNT112L	110	S	14		
					(with Jali)					
NP1G4DAS006E	2" (SCH 40)	SxSpg	65		NP1SPTNTS63L	63	Spg	40		
					NP1SPTNTS75L	75	Spg	16		
					NP1SPTNTS90L	90	S	16		
					NP1SPTNTS10L	110	S	18		
					NP1SPLNTS76L	75(LW)	S	16		
					(with Jali)					
NP1SPTFD050D	50 (PVC)	Spg	24		NP1SPTNTS64L	63	S	40		
NP3SPTFD075D	75 (PP)	Spg	14		NP1SPTNTS76L	75	S	16		
					NP1SPTNTS91L	90	S	16		
					NP1SPTNTS11L	110	S	18		
					NP1SPLNTS75L	75(LW)	S	16		
					(without Jali)					
MP1SRHEB110L	110	Spg	30		NP1SPTMT004L	110x75/ 63x50	SxSpg/ SxSpg	27		
					NP1SPTMTS04L	110x75/ 63x50	SxSpg/ SxSpg	27		
					100mm (4") height					
					NP1SPTMT046L	110x63x50	SxSpgxS	18		
					(Without top tile)					
					NP1SPTMTS46L	110x63x50	SxSpgxS	18		
				100mm (4.5") height						
	*50 (500 mm long)	Spg			NS1SPTMT045L	110x75x50	SxSpgxS	24		
Provided with S.S. grating covers.					NP1SPTMTS45L	110x75x50	SxSpgxS	24		
					112mm (4.5") height					
NP1SPTFT004L	110x75/63	SxSpg/S	36		NP1SPTMTNS5L	110x63x50	SxSpgxS	18		
(Without top tile)					(Without top tile)					
NP1SPTFTS04L	110x75/63	SxSpg/S	36		NP1SPTMTSS5L	110x63x50	SxSpgxS	15		
(With top tile)	100mm (4") height			(With top tile)						
NP1SPTFTN04L	110x75	SxSpg	27		NP1SPTMTN05L	110x75x50	SxSxSpg	27		
(Without top tile)	100 mm (4") ht. - 50 mm WS				NP1SPTMTSN5L	110x75x50	SxSxSpg	24		
NP1SPTFT005L	110x75	SxSpg	24		(Without top tile)					
NP1SPTFTS05L	110x75	SxSpg	24		NP1SPTMTN05L	110x75x50	SxSxSpg	24		
(With top tile)	125mm (5") height				(With top tile)					
					NP1SPTMT005L	110x90/ 75x50	SxSpg/ SxSpg	18		
NP1SPTNT063L	63	Spg	36		NP1SPTMTS05L	110x90/ 75x50	SxSpg/ SxSpg	18		
NP1SPTNT075L	75	Spg	32		(With top tile)					
NP1SPTNT090L	90	S	32							
NP1SPTNT110L	110	S	21							
NP1SPTNT075L	75(LW)	Spg	16							

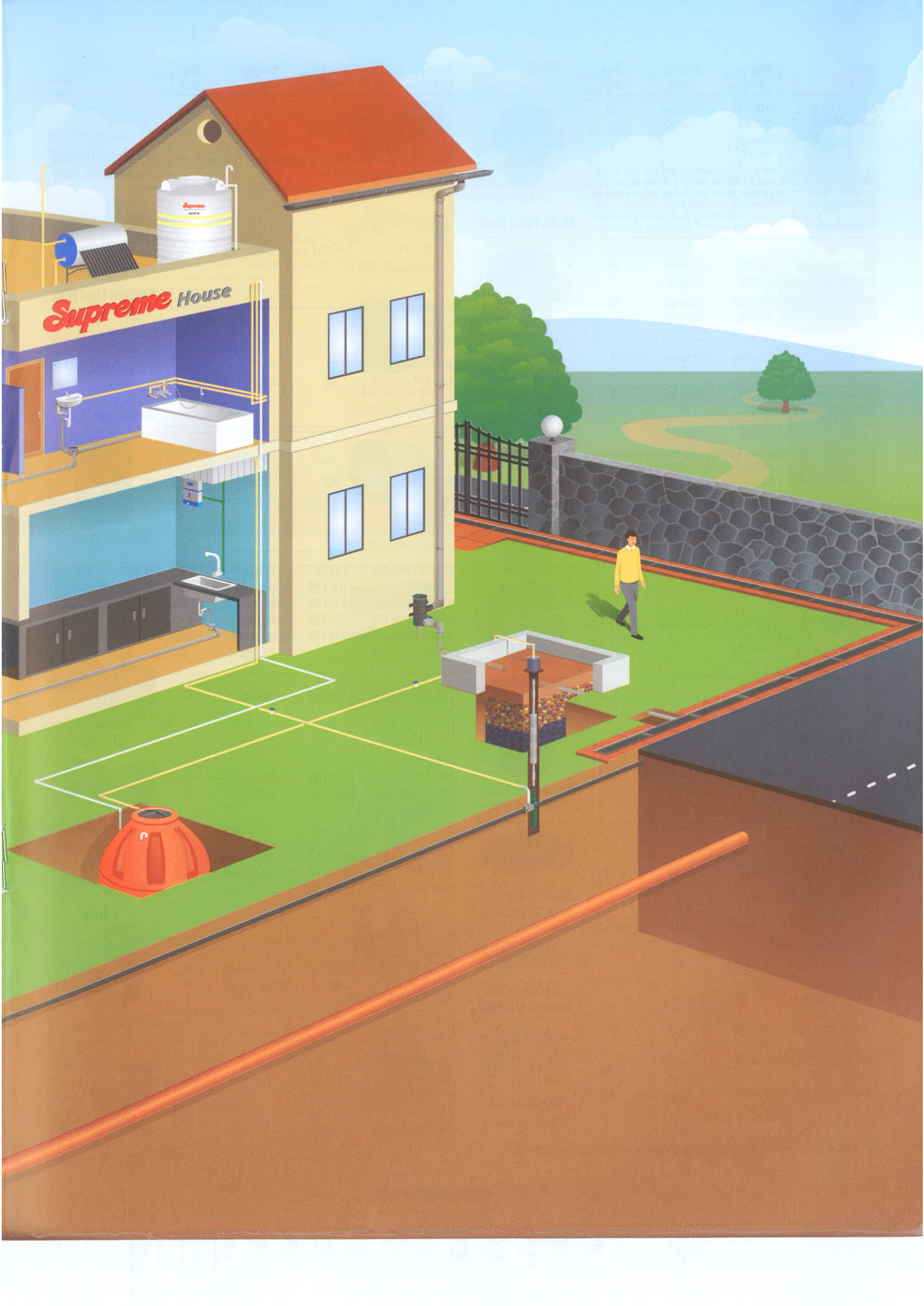
R-Rubber ring, CR- Click ring, S- Solvent type (pasted), Spg- Spigot end, FT- Female thread. *Marked fittings will be shortly introduced.

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Supreme[®]
People who know plastics best

Total Piping Solution

Jeevan bhar ka saath...





Item Code	Size in mm	Socket Type	Box qty.
NP1SPTMT007L (without Jali)	110x75x 50/40 175mm (7") height	SxSpgx Spg/S	12

1) This product is supplied with or without top tile set. 2) Top inlet of this item is 110mm (S). *ID of outlet is 63mm (S) and OD is 75mm (Spg). ** Three side inlets are 50mm (S) and OD of outlet is 75mm (S). ***Three side inlets are 50mm (S) ID of outlet is 63mm (S) and OD of outlet is 75mm (Spg). All three side inlets are open and plugs are provided to close such inlets, if desired.



Multi Floor Trap

NP1SPTSMF06L (with top tile)	110x75x 50/40	SxSpgx Spg/S	18
NP1SPTMFS06L (without top tile)	110x75x 50/40	SxSpgx Spg/S	18
NP1SPTSMF61L (with top tile)	110x75x 50	SxSpgx S	8
NP1SPTMFS61L (without top tile)	110x75x 50 150mm (6") height	SxSpgx S	8



Sunken Multi Floor Trap

This product is provided with removable partition and extension provision of 110mm size at the top with or without height riser.

MP1SPTHR110L	110x50 /40	SpgxSpg/S	22
FPS0HTR110LG	110x50 /40 (F)	SxSpg/S	
MP1SPTHR111L	110x75x50 150mm (6") height	SpgxSxS	10



Height Riser

This is used to raise the height of floor traps.

NP3SRREP110B	110	Spg	16
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Extension Piece
(with S.S. grating cover)

NP3SPTAT110B	110	Spg	16
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Anchor Top Tile with SS Grating

NP1SPTTT110L	110x110 2 pc.	S	
NP1SPTTT150E	150x150 2 pc.	Spg	65
NP1SPTTT200E	200x200 2 pc.	Spg	
NP1SPTTT151E	150x150 3 pc.	Spg	60



Top Tile with Central Strainer



Top Tile with Flush Strainer

Item Code	Size in mm	Socket Type	Box qty.
NP1SPTTT201E	200x200 3 pc.	S	

Note: 200mm size is available in both smooth and mat finish. Mat finish product is heavier.



Top Tile with Central Strainer & Flat Cover

NP1SPTKT063L	110x63	SxS	12
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Kitchen Line Trap

NP1SPTPT032E	32	FTxFT	6
NP1SPTPT040E	40	FTxFT	4



Wash Basin 'P' Trap

NP1SPTWA040L	40	FTxS	300
NP1SPTWA050L	50	FTxS	180



Waste Coupling

NP1SPTPT075L	75x75	SxSpg	30
NP1SPTPS110L	110x110	SxSpg (Short)	11
NP1SPTPS125L	125x110	SxSpg (Short)	10
NP1SPTPL110L	110x110	SxSpg (Long)	9
NP1SPTPL125L	125x110	SxSpg (Long)	8



'P' Trap

NP1SPTUT110L	110x110	SxSpg	12
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'U' Trap

NP1SPTQT110L	110x110	SxSpg	10
NP1SPTQT125L	125x110	SxSpg	10



'Q' Trap

NP1SPTST110L	110x110	SxSpg (Short)	10
NP1SPTST125L	125x110	SxSpg (Short)	8
NP1SPTSL110L	110x110	SxSpg (Long)	5



'S' Trap

NP1SPTGT110L	160x110	SxSpg (Short)	6
NP1SPTGT160L	160x110	SxSpg (Long)	5




Gully Trap

NP1SRPBM110L (Fix 'O' Ring)	110x75	SxR	12
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Bell Mouth Trap

R-Rubber ring, CR-Click ring, S-Solvent type (pasted), Spg-Spigot end.

Item Code	Size in mm	Socket Type	Box qty.	
NP1SPTBM110L	110x75	SxS (Short)	12	 Bell Mouth Trap
NP1SPTBM111L	110x75	SxSpg (Long)	9	
NP1SPTBM112L	110x90	SxSpg (Long)	9	
FPS0WCM110LG	110x90	SxS	1	 WC Manifold
Note: Designed to simplify the connections of toilets in series and quick installation. Most useful for public toilets and commercial constructions where many toilets in series are required to be connected to the common drain.				
MP1SPTWC125L	125x110	RxSpg	15	 WC Connector Straight (Reducer type)
MP1SPTWB110L	110	RxSpg	21	 WC Connector (Bend)
FPS0WCC116LG	110x12"	RxSpg	20	 WC Connector Straight (F)
FPS0WCC110LG	110x18"	RxSpg	12	
FPS0WCC114LG	110x22"	RxSpg	10	
FPS0WCC117LG	110x24"	RxSpg	10	
FPS0WCC119LG	110x32"	RxSpg	10	
NP2SPTDR009L	110	Spg	8	 Domed Roof Outlet
NP2SPTSR110D	110	Spg	8	 Siphonic Roof Outlet
NP1SPTRC110L	110	S	20	 Roof Corner Outlet
MP1SPTVC050L	50	S	320	 Vent Cowl
MP1SPTVC063L	63	S	144	
MP1SPTVC075L	75	S	99	
MP1SPTVC090L	90	S	72	
MP1SPTVC110L	110	S	66	
MP1SPTVC160L	160	S	60	
MP1SPTVC200L	200	S	21	

R-Rubber ring, CR- Click ring, S- Solvent type (pasted), Spg- Spigot end.

Item Code	Size in mm	Socket Type	Box qty.	
MP1SPTVC051L	50	S	280	 Vent Cowl with Wire Mesh
MP1SPTVC064L	63	S	132	
MP1SPTVC076L	75	S	90	
MP1SPTVC091L	90	S	48	
MP1SPTVC111L	110	S	32	
MP1SPTVC161L	160	S	26	
NP1SPTVC075L	75	S	100	 Vent Cowl Premium (with Wire Mesh)
NP1SPTVC110L	110	S	57	
NA1SPTAV110D	110	Spg	1	 Air Admittance Valve
MP1SPTPC050L	50		230	 Pipe Clip
MP1SPTPC063L	63		220	
MP1SPTPC075L	75		350	
MP1SPTPC090L	90		325	
MP1SPTPC110L	110		200	
MP1SPTPC160L	160		100	
MP1SPTPC200L	200		50	
NP1SPTTG110L	110	Spg	6	 Square Gully Trap
Note: provided with detachable partition				
NP1SPTSG110L	110	Spg	6	 Square Gully Trap (IP)
4100280	50 (2")			 Clevis Hanger
4100281	65 (2½")			
4100282	80 (3")			
4100283	100 (4")			
4100284	150 (6")			

THE SYSTEM

Supreme Skyrise® S.W.R. drainage system is a premium product especially designed for hotels, hospitals, high rise buildings, and premium projects where regular S.W.R. do not meet the application requirements. Such buildings require a soil system which is strong enough to withstand site handling and other application requirements. Designed to meet strictest demands of strength and other mechanical properties, this thick walled, high density Skyrise® S.W.R. drainage system is additionally equipped with low noise features. This makes it suitable for the projects where sound beyond a certain decibel level is not desirable. Thus a combination of strength and low noise has made this product an excellent choice for high rise buildings. Like our pioneering uPVC, S.W.R. drainage system this new hi-tech soil system have set a new trend in the market segment where people were expecting to have such specialty products. It is the best plastic alternative to CI drainage system.

Product specifications and range - Supreme Skyrise® S.W.R. drainage system is manufactured in 50, 75, 110, 160 and 200mm dia. sizes in specially designed rubber seal joints besides pasted variety. Wall thicknesses of pipes and fittings are designed to make the product strong, durable and soundproof. This system conforms and exceeds EN1329 standards requirements.

Raw material - Considering superior properties of PVC like higher modulus of elasticity and high density among the popular thermoplastics, Supreme Skyrise® drainage system is made from mineral reinforced PVC for improved sound insulation.

Fields of application - Skyrise® is specially designed for high-rise buildings and premium construction projects like hospitals, luxury hotels and for buildings where people demand such low noise pipe fittings along with good mechanical properties. Skyrise® is an ideal solution for all types of professional wastewater installations.

FEATURES AND BENEFITS

Improved noise insulation - Use of special compounds with increased molecular weight, extra wall thickness and ribs on the external face of fittings make the system almost sound proof. Skyrise® noise levels as certified by Fraunhofer Lab, Germany are 22 and 27 decibels corresponding to 2 and 4 ltrs/sec. respectively.

Strong and durable - Every component of the system is designed to provide adequate strength to make it strong against various forces encountered during and after the installation.

Easy and leak proof joints - Unique design of joints with click ring and specially designed rubber seals with reinforcing rings

makes the joints absolutely water tight. Unlike normal sealing rings, sealing rings provided by "Skyrise®" cannot easily be removed which guarantee a perfect hydraulic seal and total safety during installation removing the scope of leakage under any circumstance.

Smooth bore - better flow - No clogging - mirror smooth internal surface of "Skyrise®" helps to avoid sedimentation and lime deposition.

Light weight as compared to CI - Light weight and easy jointing technique makes the installation job very simple, easy and quick.

Extensive range of pipes and fittings - Complete range in push fit - rubber seal type joints as well as pasted type joints are made available in 50 to 200mm sizes.

Unique design and elegant - Unique and innovative design of the fittings with ribs gives greater compactness and strength besides being elegant.

Swept entry design of the tee's meet UPC requirements.

Chamfered pipe ends - As the pipes are supplied with chamfered ends, the joining and installation becomes easier.

Excellent corrosion and chemical resistance - Skyrise® offers great resistance to corrosion and a wide range of chemical agents as a result the system offers long life beyond 50 year's.

Good fire resistant properties - PVC is self-extinguisher of fire. It is classified as B-S1-dO (B = Low speed of fire spread and heat emission, S1 = Low quantity and speed of smoke emission, dO = No flaming drip's are produced).

Compatible with existing S.W.R. systems

Cost effective - "Skyrise®" offers cost advantage over CI and other similar products.



PIPES

Dimensions of Skyrise pipes

Size	Tolerance on outside diameter	Wall thickness	
		Min	Max
50	+ 0.3	3.00	3.20
75	+ 0.3	3.50	3.80
110	+ 0.4	3.80	4.20
160	+ 0.5	4.50	5.00
200	+ 0.6	4.60	5.20

Pipe thicknesses conforms to and exceeds EN:1329. Pipe length is 3m inclusive of socket length along with different lengths are made available.

FITTINGS

Item Code	Size in mm	Socket Type	Box qty.
NP1KRHCP050T	50	RxR	100
NP1KCRCP075T	75	CRxCR	36
NP1KCRCP110T	110	CRxCR	18
NP1KCRCP160T	160	CRxCR	12
NP1KCRCP200T	200	CRxCR	4
MP1KPTCP050T	50	SxS	150
MP1KPTCP075T	75	SxS	60
MP1KPTCP110T	110	SxS	24
MP1KPTCP160T	160	SxS	24
MP1KPTCP200T	200	SxS	6



Coupler

MP1KRPBE050T	50	RxSpg	80
NP1KCRBE075T	75	CRxSpg	24
NP1KCRBE110T	110	CRxSpg	8
NP1KCRBE160T	160	CRxSpg	7
NP1KCRBE200T	200	CRxSpg	3



Bend 87.5°

MP1KPTBES50T	50	SxS	85
MP1KPTBE050T	50	SxSpg	95
MP1KPTBE075T	75	SxSpg	27
MP1KPTBE110T	110	SxSpg	9
MP1KPTBE160T	160	SxSpg	8
MP1KPTBE200T	200	SxSpg	4

NP1KRPDB050T	50	RxSpg	60
NP1KCRDB075T	75	CRxSpg	20
NP1KCRDB110T	110	CRxSpg	6
NP1KCRDB160T	160	CRxSpg	6
NP1KCRDB200T	200	CRxSpg	3



Bend 87.5° with Door

NP1KPTDBS50T	50	SxS	60
NP1KPTDB050T	50	SxSpg	75
NP1KPTDB075T	75	SxSpg	20
NP1KPTDB110T	110	SxSpg	8
NP1KPTDB160T	160	SxSpg	8
NP1KPTDB200T	200	SxSpg	4

NP1KRHBF050T	50	RxSpg	95
NP1KCRBF075T	75	CRxSpg	24
NP1KCRBF110T	110	CRxSpg	10
NP1KCRBF160T	160	CRxSpg	10
NP1KCRBF200T	200	CRxSpg	2



Bend 45°

MP1KPTBFS50T	50	SxS	105
MP1KPTBF050T	50	SxSpg	120
MP1KPTBF075T	75	SxSpg	32
MP1KPTBF110T	110	SxSpg	12
MP1KPTBF160T	160	SxSpg	10
MP1KPTBF200T	200	SxSpg	6

MP1SRPST050T	50	RxRxSpg	48
NP1KCRST075T	75	CRxCRxSpg	12
NP1KCRST110T	110	CRxCRxSpg	12
NP1KCRST160T	160	CRxCRxSpg	5
NP1KCRST200T	200	CRxCRxSpg	1



Swept Tee

MP1KPTSTS50T	50	SxSxS	45
MP1KPTST050T	50	SxSxSpg	50
MP1KPTST075T	75	SxSxSpg	16
MP1KPTST110T	110	SxSxSpg	12
MP1KPTST160T	160	SxSxSpg	5
MP1KPTST200T	200	SxSxSpg	2

Item Code	Size in mm	Socket Type	Box qty.
NP1KRPDT050T	50	RxRxSpg	40
NP1KCRDT075T	75	CRxCRxSpg	10
NP1KCRDT110T	110	CRxCRxSpg	4
NP1KCRDT160T	160	CRxCRxSpg	4
NP1KRRDT200T	200	CRxCRxSpg	1
MP1KPTDTS50T	50	SxSxS	40
MP1KPTDT050T	50	SxSxSpg	40
NP1KPTDT075T	75	SxSxSpg	12
NP1KPTDT110T	110	SxSxSpg	12
NP1KPTDT160T	160	SxSxSpg	4
NP1KPTDT200T	200	SxSxSpg	2



Swept Tee with Door

NP1KCRRT110T	110x75	CRxCRxSpg	6
NP1KCRRT160T	160x110	CRxCRxSpg	5



Reducing Swept Tee

MP1KPTRT110T	110x75	SxSxSpg	20
MP1KPTRT160T	160x110	SxSxSpg	8

NP1KCRDT111T	110x75	CRxCRxSpg	12
NP1KCRDT161T	160x110	CRxCRxSpg	4



Reducing Swept Tee with door

NP1KPTDT111T	110x75	SxSxSpg	18
NP1KPTDT161T	160x110	SxSxSpg	5

NP1KCRYP050T	50	RxRxSpg	45
NP1KCRYP075T	75	CRxCRxSpg	12
NP1KCRYP110T	110	CRxCRxSpg	12
NP1KCRYP160T	160	CRxCRxSpg	4



Single Y

MP1KPTYPS50T	50	SxSxS	45
MP1KPTYP050T	50	SxSxSpg	50
MP1KPTYP075T	75	SxSxSpg	16
MP1KPTYP110T	110	SxSxSpg	12
MP1KPTYP160T	160	SxSxSpg	4

NP1KCRRY111T	110x75	CRxCRxSpg	12
NP1KCRRY162T	160x75	CRxCRxSpg	6
NP1KCRRY161T	160x110	CRxCRxSpg	5



Reducing Y

R-Rubber ring, CR - Click ring, S - Solvent type (pasted), Spg - Spigot end.

Item Code	Size in mm	Socket Type	Box qty.		Item Code	Size in mm	Socket Type	Box qty.	
MP1KPTRY110T	110x75	SxSxSpg	15	 Reducing Y	NP1KPTPL110T	110x110	SxSpg	9	 'P' Trap
MP1KPTRY162T	160x75	SxSxSpg	8						
MP1KPTRY161T	160x110	SxSxSpg	6						
MP1KRPE075T (Fix 'O' Ring)	75x50	RxSpg	90	 Eccentric Reducer	RLUTRV0110TG	110x110x75	RxRxR	1	 True Vent
NP1KCRER110T	110x75	CRxSpg	16		Note: Designed to improve the performance of single stack drainage system. This uniquely designed product improves the flow characteristics in the vertical stack and eliminates a separate vent stack required for venting in high rise buildings.				
NP1KCRER160T	160x110	CRxSpg	6						
NP1KCRER200T	200x160	CRxSpg	4						
MP1KPTER110T	110x75	SxSpg	30						
MP1KPTER160T	160x110	SxSpg	12						
MP1KPTER200T	200x160	SxSpg	6						
NP1KPTFTN04T (without top tile)	110x75 100mm (4") height	SxSpg	24	 Plain Floor Trap		*110x110x110 x110x110	RxRxRx RxSpg		 Ball Fitting
NP1KPSMFS06T (with top tile)	110x75x 50/40	SxSpgx Spg/S	8	 Sunken Multi Floor Trap	NP1KPTVC075T	75	S	100	 Vent Cowl (with wire mesh)
NP1KPTMFS06T (without top tile)	110x75x 50/40	SxSpgx Spg/S	8		NP1KPTVC110T	110	S	57	
NP1KPTMFS61T (without top tile)	110x75x50 150mm (6") height	SxSpgxS	6		NP1KPTPC110T	110	S	100	
This product is provided with removable partition and extension provision of 110mm size at the top with or without height riser.				NP1KPTPC160T	160	S	60		
				NP1KPTPC200T	200	S	30		
MP1KPTH110T	110x75/50 150mm (6") height	SxSpgxS	8	 Height Riser	NP1KRRPC111T	110	S	75	 Pipe Clamp Rubber Seal
This is used to raise the height of floor traps.				NP1KRRPC161T	160	S	50		
				NP1KRRPC201T	200	S	25		
NP3SRREP110B	110X75X50	Spg	16	 Extension Piece (with S.S. grating cover)	NP7KPTPC075B	75	S	50	 Pipe Clamp (for noise dampening)
NP3SPTAT110B	110	Spg	16	 Anchor Top Tile with SS Grating	NP7KPTPC110B	110	S	50	
NP1KPTUT110T	110x110	SxSpg	12	 'U' Trap	4100369	50			 Metal Clamp with Rubber Seal
				4100376	65				
				4100370	80				
				4100371	100				
				4100372	150				
				4100373	200				

Note: These clamps are available with stud and anchor.

R-Rubber ring, CR-Click ring, S-Solvent type (pasted), Spg-Spigot end. *Marked fittings will be shortly introduced.

THE SYSTEM

Supreme Rainbow® roof gutter system is the latest in design, look and featured with many advantages. This system is made from uPVC and comprises specially designed profiles (gutters), different types of fittings, clamps and accessories. Gutters and fittings are specially designed to meet the requirements of all types of sloped roofs buildings. Unlike other systems, Rainbow® is not exactly half cut system, but designed to give maximum flow with necessary freeboard. It means there is no possibility of spilling or overflow as it has high flow carrying capacity. Rainbow® is a classic 150mm size very large capacity rainwater system, suitable for 310m² roof area with one down pipe. It connects to 110mm (4") circular down-pipe. Rainbow® roof gutters are designed with longitudinal ribs for adequate strength and dimensional stability. The system is provided with specially designed rubber seals to give totally leak proof joints. This system is produced and tested as per European standard EN607. This high quality roof gutter system is easy to install with brackets and clamps, which guarantee tight fit/watertight joints.

Product range

Pipes and fittings in 150mm size

Fields of application

Supreme Rainbow® roof gutter system is designed for rainwater collection and disposal in residential and commercial buildings, garden shades, stores, industries, garages etc.

FEATURES AND BENEFITS

Unique design - This system is specially designed to accommodate high flow rates without overflow of rainwater even during heavy rainfall.

Strong and durable - Rainbow® roof gutters are provided with longitudinal ribs along the length which makes it strong and durable.

High carrying capacity - Due to excellent hydraulic properties and large cross sectional area, the carrying capacity of this system is considerable.

Easy and quick installation - Being light in weight, it is very easy to handle, transport and store. Installation of this system is very convenient and quick.

High corrosion resistance - Being immune to chemical, electrolytic and galvanic action, the system is absolutely free from corrosion. It does not require protective coating.

High chemical resistance - System has excellent resistance to acids, oxidizing agents, alkalis, oils and domestic effluents. Therefore, it is completely resistant to acid rainwater. This feature is particularly important in coastal regions and in areas with environmentally aggressive industries.

100% leak proof - This system is designed with special rubber rings to avoid leakage through joints.

Odorless and hygienic - It is ideal for carrying rainwater, as it is not subject to any contamination. This is particularly important when rainwater is reused.

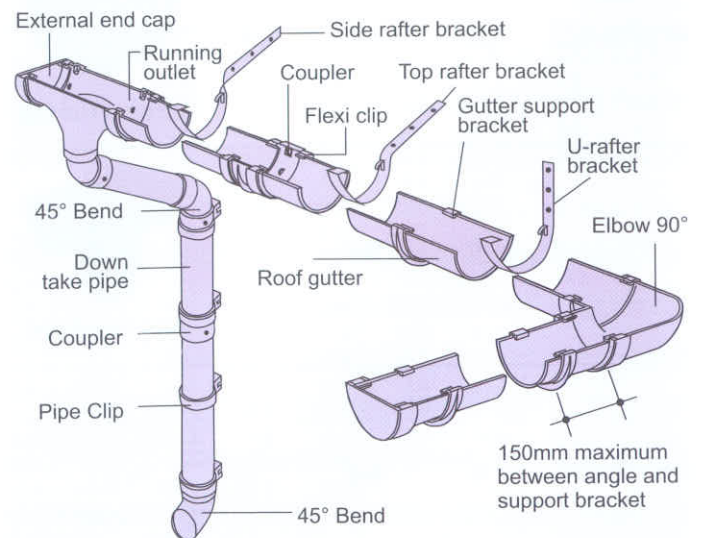
Elegant appearance - Smooth in touch and glossy, Rainbow® components give an elegant appearance.

Maintenance free - This system is maintenance free and offers longevity and endurance at reasonable cost.

ROOF GUTTER



COMPONENTS OF RAINBOW® ROOF GUTTER SYSTEM



FITTINGS

Item Code	Size in mm	Socket Type	Box qty.		Item Code	Size in mm	Socket Type	Box qty.	
NP1SRRRC150D	150	RxR	16	 Coupler	NP2SPTDR009L	110	Spg	8	 Domed Roof Outlet
NP1SRRRE150D	150	RxR	20	 Elbow 90°	NP2SPTSr110D	110	Spg	8	 Siphonic Roof Outlet
NP1SRRRO150D	150x110	RxRxSpg	12	 Running Outlet	NP1SPTRC110L	110	S	20	 Roof Corner Outlet
NP1SRRER150D	150x110	RxR	12	 Elbow 90° with Running Outlet	NP1SRRGB150D	150		80	 Gutter Support Bracket
NP1SRREC150D	150	R	45	 External End Cap	LP1SRRFC150D	150		200	 Flexi Clip
MP1SPTIE150D	150	Spg	40	 Internal End Cap	4100461	150		200	 Top Rafter Bracket
	*110	Spg		 Stop End Outlet	4100417	150			 Side Rafter Bracket
MP1SRHEB110L	110	Spg	30	 Extended Balcony Drain	4100469	150			 U- Rafter Bracket
					4100275	150			 Adjustable Rafter

*Marked fittings will be shortly introduced.

THE SYSTEM

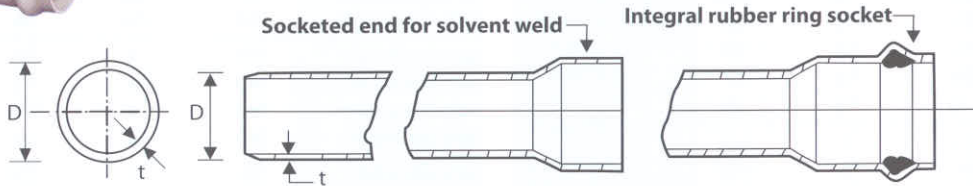
Supreme offers an exhaustive range of uPVC pressure pipes and fittings. Pressure pipes are manufactured as per IS 4985: 2000 standards and are available in 20 to 450mm sizes in different pressure classes. Pipes with both types of joints, i.e., solvent cement type and rubber seal type are available. Varieties of moulded fittings and wide range of handmade fittings are also available. Moulded fittings are manufactured as per IS:7834 and fabricated fittings are manufactured as per IS:10124 and company standards. These pipes and fittings are used for a variety of applications like, in irrigation, water supply, industrial process lines, swimming pools, firefighting mains etc. These pipes are superior to CI, DI or RCC pipes in terms of being light in weight, easy and quicker installation, excellent corrosion and chemical resistance properties, high flow rates, long life and economy. These pipes have approval of MJP.

FEATURES AND BENEFITS

- Odorless and hygienic** - These pipes are an excellent choice for carrying potable water as they do not allow contamination.
- High corrosion resistance** - Being immune to chemical, electrolytic and galvanic action, these pipes are free from corrosion which ensures a much longer and useful life.
- High chemical resistance** - Pipes offer excellent resistance to acids, oxidizing agents, alkalis, oils and domestic effluents.
- Smooth bore** - Pipes have a mirror smooth inner surface and hence better flow characteristics in comparison to AC, CI and GI pipes.
- Self extinguishing quality** - This feature eliminates the need for fire resistant coatings.
- Maintenance free** - Corrosion resistance property of the PVC pipes eliminates the need for repeated painting or coating like in the case of GI pipes.
- Long lasting** - As these pipes are free from weaknesses caused by scale formation, rusting, weathering and chemical action, they have a much longer effective life.
- Economical** - Despite being superior to conventional pipes, Supreme PVC pipes are very light in weight and last much longer than older piping systems offering a great economy in handling, transportation, installation and replacement.



PIPES



Dimensions of uPVC Pressure Pipes as per IS:4985-2000

Nominal outside diameter (D)	Tolerance on outside diameter	Wall thickness (t) mm													
		Class 1(PN) 2.5 kgf/cm ²		Class 2(PN) 4 kgf/cm ²		Class 3(PN) 6 kgf/cm ²		Class 4(PN) 8 kgf/cm ²		Class 5(PN) 10 kgf/cm ²		Class 6(PN) 12.5 kgf/cm ²		Plumbing pipes	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
20	+0.3	-	-	-	-	-	-	-	-	1.1	1.5	1.4	1.8	2.8	3.3
25	+0.3	-	-	-	-	-	-	1.2	1.6	1.4	1.8	1.7	2.1	2.9	3.4
32	+0.3	-	-	-	-	-	-	1.5	1.9	1.8	2.2	2.2	2.7	3.4	3.9
40	+0.3	-	-	-	-	1.4	1.8	1.8	2.2	2.2	2.7	2.8	3.3	3.6	4.2
50	+0.3	-	-	-	-	1.7	2.1	2.3	2.8	2.8	3.3	3.4	4.0	3.7	4.3
63	+0.3	-	-	1.5	1.9	2.2	2.7	2.8	3.3	3.5	4.1	4.3	5.0		
75	+0.3	-	-	1.8	2.2	2.6	3.1	3.4	4.0	4.2	4.9	5.1	5.9		
90	+0.3	1.3	1.7	2.1	2.6	3.1	3.7	4.0	4.6	5.0	5.7	6.1	7.1		
110	+0.4	1.6	2.0	2.5	3.0	3.7	4.3	4.9	5.6	6.1	7.1	7.5	8.7		
125	+0.4	-	-	2.9	3.4	4.3	5.0	-	-	-	-	-	-		
140	+0.5	2.0	2.4	3.2	3.8	4.8	5.5	6.3	7.3	7.7	8.9	9.5	11.0		
160	+0.5	2.3	2.8	3.7	4.3	5.4	6.2	7.2	8.3	8.8	10.2	10.9	12.6		
180	+0.6	2.6	3.1	4.2	4.9	6.1	7.1	8.0	9.2	9.9	11.4	12.2	14.1		
200	+0.6	2.9	3.4	4.6	5.3	6.8	7.9	8.9	10.3	11.0	12.7	13.6	15.7		
225	+0.7	3.3	3.9	5.2	6.0	7.6	8.8	10.0	11.5	12.4	14.3	15.3	17.6		
250	+0.8	3.6	4.2	5.7	6.5	8.5	9.8	11.2	12.9	13.8	15.9	17.0	19.6		
280	+0.9	4.1	4.8	6.4	7.4	9.5	11.0	12.5	14.4	15.4	17.8	-	-		
315	+1.0	4.6	5.3	7.2	8.3	10.7	12.4	14.0	16.1	17.3	19.9	-	-		
355	+1.1	5.1	5.9	8.1	9.4	12.0	13.8	15.8	18.2	-	-	-	-		
400	+1.2	5.8	6.7	9.1	10.5	13.5	15.6	-	-	-	-	-	-		
450	+1.4	6.5	7.5	10.3	11.9	15.2	17.5	-	-	-	-	-	-		

Note: 1) Pipes are offered in Light Grey (LG) and/or Dark Grey (DG) colours in standard lengths of 6m. Pipes are offered plain or socketed, based on diameter and class of pipe. 2) Ringtight pipes with integral rubber ring socket (Elastomeric joint) are available from 63mm to 315mm in 4, 6 and 10 kgf/cm² pressure class. 3) Prefix "PN" indicates Nominal Pressure, i.e., working pressure.

FITTINGS

Item Code	Size in mm	Pressure Class (kgf/cm ²)	Box qty.
MP1A1CPL063L	63	1	335
MP1A1CPL075L	75	1	200
MP1A1CPL090L	90	1	100
MP1A1CPL110L	110	1	60
MP1A3CPL050L	50	3	130
MP1A3CPL140L	140	3	24
MP1A6CPL040L	40	6	190
MP1A6CPL050L	50	6	160
MP1A6CPL063L	63	6	200
MP1A6CPL075L	75	6	60
MP1A6CPL090L	90	6	24
MP1A6CPL110L	110	6	48
MP1A6CPL140L	140	6	18
MP1A6CPL160L	160	6	16
MP1A6CPL200L	200	6	6
MP1A6CPL250L	250	6	2
MP1ATCPL020L	20	10	800
MP1ATCPL025L	25	10	500
MP1ATCPL032L	32	10	300
MP1ATCPL040L	40	10	175
MP1ATCPL050L	50	10	100
MP1ATCPL063L	63	10	80
MP1ATCPL075L	75	10	50
MP1ATCPL090L	90	10	24
MP1ATCPL110L	110	10	18
MP1ATCPL160L	160	10	5
MP1ASCPL020D	20	16	500
MP1ASCPL025D	25	16	300
MP1ASCPL032D	32	16	200
MP1ASCPL040D	40	16	170
MP1ASCPL050D	50	16	150
MP1ASCPL063D	63	16	90
MP1ASCPL075D	75	16	52
MP1ASCPL090D	90	16	27
MP1ASCPL110D	110	16	18
MP1A1ELB063L	63	1	165
MP1A1ELB075L	75	1	100
MP1A1ELB090L	90	1	55
MP1A1ELB110L	110	1	30
MP1A2ELB063L	63	2	150
MP1A2ELB075L	75	2	90
MP1A2ELB090L	90	2	50
MP1A2ELB110L	110	2	28
MP1A3ELB020L	20	3	600
MP1A3ELB025L	25	3	300
MP1A3ELB032L	32	3	200
MP1A3ELB040L	40	3	200
MP1A3ELB050L	50	3	250
MP1A3ELB063L	63	3	120
MP1A3ELB075L	75	3	75
MP1A3ELB090L	90	3	45
MP1A3ELB110L	110	3	25
MP1A3ELB160L	160	3	8
MP1A4ELB050L	50	4	95
MP1A4ELB063L	63	4	50
MP1A4ELB075L	75	4	30
MP1A4ELB090L	90	4	40
MP1A4ELB110L	110	4	24
MP1A4ELB140L	140	4	7
MP1A4ELB160L	160	4	5
MP1A4ELB200L	200	4	3
MP1A4ELB315L	315	4	1



Coupler



Elbow 90°

Item Code	Size in mm	Pressure Class (kgf/cm ²)	Box qty.
MP1A6ELB040L	40	6	110
MP1A6ELB050L	50	6	90
MP1A6ELB063L	63	6	50
MP1A6ELB075L	75	6	30
MP1A6ELB090L	90	6	38
MP1A6ELB110L	110	6	20
MP1A6ELB140L	140	6	12
MP1A6ELB160L	160	6	7
MP1A6ELB180L	180	6	5
MP1A6ELB200L	200	6	3
FPP3SB9225LG	225(F)	6	L
MP1A6ELB250L	250	6	2
MP1ATELB020L	20	10	600
MP1ATELB025L	25	10	300
MP1ATELB032L	32	10	200
MP1ATELB040L	40	10	110
MP1ATELB050L	50	10	70
MP1ATELB063L	63	10	50
MP1ATELB075L	75	10	28
MP1ATELB090L	90	10	15
MP1ATELB110L	110	10	10
MP1ATELB160L	160	10	3
MP1A8ELB025L	25	12.5	350
MP1ASELB020D	20	16	400
MP1ASELB025D	25	16	400
MP1ASELB032D	32	16	180
MP1ASELB040D	40	16	140
MP1ASELB050D	50	16	85
MP1ASELB063D	63	16	45
MP1ASELB075D	75	16	30
MP1ASELB090D	90	16	16
MP1ASELB110D	110	16	8
MP1A4BDF110L	110	4	30
MP1A4BDF140L	140	4	16
MP1A4BDF160L	160	4	10
MP1A4BDF200L	200	4	4
MP1A6BDF040L	40	6	150
MP1A6BDF050L	50	6	125
MP1A6BDF063L	63	6	65
MP1A6BDF075L	75	6	40
MP1A6BDF090L	90	6	20
MP1A6BDF110L	110	6	30
MP1A6BDF160L	160	6	3
MP1A6BDF200L	200	6	2
MP1A6BDF250L	250	6	1
MP1ASBDF020D	20	16	450
MP1ASBDF025D	25	16	300
MP1ASBDF032D	32	16	250
MP1ASBDF040D	40	16	175
MP1ASBDF050D	50	16	90
MP1ASBDF063D	63	16	60
MP1ASBDF075D	75	16	32
MP1ASBDF090D	90	16	21
MP1ASBDF110D	110	16	12
MP1A6REA075L	75x63	6	30
MP1A6REB090L	90x50	6	25
MP1A6REB091L	90x63	6	30
MP1A6REA090L	90x75	6	22
MP1A6REC110L	110x63	6	15
MP1A6REB110L	110x75	6	18
MP1A6REA110L	110x90	6	12
MP1ATREA032L	32x25	10	250



Elbow 90°



Elbow 45°



Reducing Elbow

1) Fittings are offered in Light Grey (LG) and Dark Grey (DG) colours. All the fittings shown in dark grey colour are in PN 16 pressure class. 2) Prefix "PN" indicates Nominal pressure, i.e., working pressure. 3) 1, 2 and 3 kgf/cm² pressure class economical fittings are also available under the brand name of "Smart", "Sufala L.W." and "Sufala" respectively. F - Fabricated.

Item Code	Size in mm	Pressure Class (kgf/cm ²)	Box qty.
MP1A6FTE063L	63x50 (2")	6	35
MP1A6FTE076L	75x50 (2")	6	25
MP1A6FTE075L	75x65 (2½")	6	20
MP1A6FTE090L	90x80 (3")	6	40
MP1A6FTE110L	110x100(4")	6	10
MP1ATFTE020L	20x15 (½")	10	500
MP1ATFTEB25L	25x15 (½")	10	300
MP1ATFTEA25L	25x20 (¾")	10	300
MP1ASFTE050D	50x40 (1½")	16	80
MP1ASFTE063D	63x50 (2")	16	45



Elbow 90°
(one side Threaded)

MP1ATBSE075L	75 (2½")	10	30
MP1ATBSE090L	90 (3")	10	20



Elbow 90°
(Both side Threaded)

MP1A6FTT063L	63x50 (2")	6	24
MP1A6FTT075L	75x65 (2½")	6	50
MP1A6FTT090L	90x80 (3")	6	30
MP1A6FTT112L	110x50 (2")	6	9
MP1A6FTT111L	110x65 (2½")	6	22
MP1A6FTT110L	110x80 (3")	6	18
MP1A6FTT113L	110x100(4")	6	7
MP1ATFTT020L	20x15 (½")	10	400
MP1ATFTT025L	25x15 (½")	10	250
MP1ATFTT026L	25x20 (¾")	10	200



One Side Threaded Tee

MP1A1TEE063L	63	1	105
MP1A1TEE075L	75	1	65
MP1A1TEE090L	90	1	40
MP1A1TEE110L	110	1	22
MP1A2TEE063L	63	2	95
MP1A2TEE075L	75	2	55
MP1A2TEE090L	90	2	40
MP1A2TEE110L	110	2	20
MP1A3TEE020L	20	3	500
MP1A3TEE025L	25	3	200
MP1A3TEE032L	32	3	100
MP1A3TEE040L	40	3	125
MP1A3TEE050L	50	3	165
MP1A3TEE063L	63	3	80
MP1A3TEE075L	75	3	45
MP1A3TEE090L	90	3	30
MP1A3TEE110L	110	3	18
MP1A3TEE160L	160	3	7
MP1A4TEE050L	50	4	60
MP1A4TEE063L	63	4	24
MP1A4TEE075L	75	4	48
MP1A4TEE090L	90	4	25
MP1A4TEE110L	110	4	18
MP1A4TEE140L	140	4	8
MP1A4TEE160L	160	4	5
MP1A4TEE200L	200	4	2
MP1A4TEE315L	315	4	1
MP1A6TEE040L	40	6	110
MP1A6TEE050L	50	6	60
MP1A6TEE063L	63	6	24



Equal Tee

Item Code	Size in mm	Pressure Class (kgf/cm ²)	Box qty.
MP1A6TEE075L	75	6	20
MP1A6TEE090L	90	6	12
MP1A6TEE110L	110	6	15
MP1A6TEE140L	140	6	8
MP1A6TEE160L	160	6	5
MP1A6TEE180L	180	6	3
MP1A6TEE200L	200	6	1
FPP3EQT225LG	225(F)	6	L
MP1A6TEE250L	250	6	1
MP1ATTEE020L	20	10	400
MP1ATTEE025L	25	10	200
MP1ATTEE032L	32	10	100
MP1ATTEE040L	40	10	75
MP1ATTEE050L	50	10	45
MP1ATTEE063L	63	10	33
MP1ATTEE075L	75	10	20
MP1ATTEE090L	90	10	12
MP1ATTEE110L	110	10	7
MP1ASTEEL160L	160	10	2
MP1ASTEEL020D	20	16	300
MP1ASTEEL025D	25	16	225
MP1ASTEEL032D	32	16	150
MP1ASTEEL040D	40	16	110
MP1ASTEEL050D	50	16	64
MP1ASTEEL063D	63	16	30
MP1ASTEEL075D	75	16	20
MP1ASTEEL090D	90	16	12
MP1ASTEEL110D	110	16	7








Equal Tee




MP1A4RTA075L	75x63	4	50
MP1A4RTB091L	90x63	4	34
MP1A4RTA090L	90x75	4	30
MP1A4RTB110L	110x75	4	22
MP1A4RTA110L	110x90	4	20
MP1A4RTD160L	160x75	4	7
MP1A4RTB160L	160x110	4	6
MP1A6RTC040L	40x20	6	100
MP1A6RTB050L	50x32	6	60
MP1A6RTB063L	63x40	6	30
MP1A6RTA063L	63x50	6	28
MP1A6RTC075L	75x40	6	24
MP1A6RTB075L	75x50	6	24
MP1A6RTA075L	75x63	6	24
MP1A6RTB090L	90x63	6	15
MP1A6RTA090L	90x75	6	36
MP1A6RTD110L	110x50	6	10
MP1A6RTC110L	110x63	6	10
MP1A6RTB110L	110x75	6	20
MP1A6RTA110L	110x90	6	18
MP1A6RTA140L	140x110	6	8
MP1A6RTB160L	160x110	6	7
MP1A6RTD200L	200x110	6	4
MP1A6RTB200L	200x160	6	3
MP1ATRTA025L	25x20	10	200
MP1ATRTB032L	32x20	10	150
MP1ATRTA032L	32x25	10	150
MP1ATRTB040L	40x25	10	100
MP1ATRTRC050L	50x25	10	65
MP1ATRTRD063L	63x25	10	32
MP1ATRTRC063L	63x32	10	32
MP1ATRTRA063L	63x50	10	28










Reducing Tee

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Item Code	Size in mm	Pressure Class (kgf/cm ²)	Box qty.	
MP1A6ETA063L	63x75	6	30	 Enlarging Tee
MP1A6CRT063L	63	6	60	 Cross Tee
MP1A6CRT075L	75	6	35	
MP1A6CRT090L	90	6	21	
MP1A6CRT110L	110	6	12	
MP1A4CTF063L	63x20	4	35	 Reducing Cross Tee
MP1A4CTE063L	63x25	4	35	
MP1A4CTC063L	63x32	4	30	
MP1A4CTE075L	75x25	4	24	
MP1A6CTC040L	40x20	6	80	
MP1A6CTB063L	63x40	6	25	
MP1A6MTA040L	40	6	200	 Male Threaded Adapter (M.T.A.)
MP1A6MTA050L	50	6	190	
MP1A6MTA063L	63	6	108	
MP1A6MTA075L	75	6	64	
MP1A6MTA090L	90	6	35	
MP1A6MTA110L	110	6	14	
MP1A6MTA140L	140	6	30	
MP1A6MTA160L	160	6	15	
MP1ATMTA020L	20	10	900	
MP1ATMTA025L	25	10	500	
MP1ATMTA032L	32	10	300	
MP1ATMTA063L	63	10	90	
MP1ATMTA075L	75	10	56	
MP1ATMTA090L	90	10	32	
MP1ATMTA110L	110	10	14	
MP1ASMTA020D	20	16	300	
MP1ASMTA025D	25	16	600	
MP1ASMTA032D	32	16	325	
MP1ASMTA040D	40	16	175	
MP1ASMTA050D	50	16	110	
MP1ASMTA063D	63	16	90	
MP1ASMTA075D	75	16	88	
MP1ASMTA090D	90	16	36	
MP1ASMTA110D	110	16	22	
MP1A3FTA020L	20	3	400	 Reducer
MP1A6FTA040L	40	6	180	
MP1A6FTA050L	50	6	160	
MP1A6FTA063L	63	6	62	
MP1A6FTA075L	75	6	40	
MP1A6FTA090L	90	6	24	
MP1A6FTA110L	110	6	48	
MP1A6FTA160L	160	6	12	
MP1ATFTA020L	20	10	700	
MP1ATFTA025L	25	10	500	
MP1ATFTA032L	32	10	300	
MP1ATFTA063L	63	10	65	
MP1ATFTA075L	75	10	30	
MP1ATFTA090L	90	10	24	
MP1ATFTA110L	110	10	18	

Item Code	Size in mm	Pressure Class (kgf/cm ²)	Box qty.	
MP1ASFTA020D	20	16	300	 Female Threaded Adapter (F.T.A.)
MP1ASFTA025D	25	16	500	
MP1ASFTA032D	32	16	325	
MP1ASFTA040D	40	16	270	
MP1ASFTA050D	50	16	140	
MP1ASFTA063D	63	16	80	
MP1ASFTA075D	75	16	57	
MP1ASFTA090D	90	16	32	
MP1ASFTA110D	110	16	22	
MP1A6RMA075L	75x50 (2")	6	64	
MP1A6RMB090L	90x50 (2")	6	42	
MP1A6RMD090L	90x65 (2½")	6	42	
MP1A6RFA040L	40x25 (1")	6	200	 Reducing Female Threaded Adapter (R.F.T.A.)
MP1A6RFA050L	50x32 (1¼")	6	170	
MP1A6RFA063L	63x40 (1½")	6	108	
MP1A6RFA075L	75x50 (2")	6	63	
MP1A6RFB090L	90x50 (2")	6	36	
MP1A6RFA090L	90x65 (2½")	6	35	
MP1A6RFC110L	110x50 (2")	6	18	
MP1A6RFA110L	110x80 (3")	6	18	
MP1ATRFB025L	25x15 (½")	10	600	
MP1ATRFC032L	32x15 (½")	10	300	
MP1ATRFB032L	32x20 (¾")	10	300	
MP1ASRFB025D	25x15 (½")	16	400	
MP1ASRFC032D	32x15 (½")	16	250	
MP1A4RDC140L	140x75	4	40	 Reducer
MP1A4RDB140L	140x90	4	32	
MP1A4RDA140L	140x110	4	32	
MP1A4RDC160L	160x90	4	24	
MP1A4RDB160L	160x110	4	24	
MP1A4RDA160L	160x140	4	20	
MP1A4RDD200L	200x110	4	12	
MP1A4RDB200L	200x160	4	10	
MP1A6RDB040L	40x25	6	250	
MP1A6RDA040L	40x32	6	190	
MP1A6RDC050L	50x25	6	150	
MP1A6RDB050L	50x32	6	140	
MP1A6RDA050L	50x40	6	120	
MP1A6RDC063L	63x32	6	108	
MP1A6RDB063L	63x40	6	108	
MP1A6RDA063L	63x50	6	108	
MP1A6RDC075L	75x40	6	72	
MP1A6RDB075L	75x50	6	81	
MP1A6RDA075L	75x63	6	72	
MP1A6RDC090L	90x50	6	42	
MP1A6RDB090L	90x63	6	42	
MP1A6RDA090L	90x75	6	42	
MP1A6RDD110L	110x50	6	24	
MP1A6RDC110L	110x63	6	24	
MP1A6RDB110L	110x75	6	24	
MP1A6RDA110L	110x90	6	24	
MP1A6RDA140L	140x110	6	32	
MP1A6RDB160L	160x110	6	20	
MP1A6RDC180L	180x110	6	6	
MP1A6RDD200L	200x110	6	12	

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Item Code	Size in mm	Pressure Class (kgf/cm ²)	Box qty.		Item Code	Size in mm	Pressure Class (kgf/cm ²)	Box qty.	
MP1A6RDB200L	200x160	6	10	 Reducer	MP1ASTLP063D	63	16	80	 Tail Piece
MP1A6RDA200L	200x180	6	4		MP1ASTLP075D	75	16	54	
MP1A6RDA250L	250x200	6	1		MP1ASTLP090D	90	16	40	
MP1ATRDA025L	25x20	10	600		MP1ASTLP110D	110	16	20	
MP1ATRDB032L	32x20	10	400		MP1ASTLP160D	160	16	6	 Flange
MP1ATRDA032L	32x25	10	400		MP1A6FLG063L	63	6	100	
MP1ASRDA032D	32x25	16	250		MP1A6FLG075L	75	6	75	
MP1ASRDA040D	40x32	16	160		MP1A6FLG090L	90	6	60	
MP1ASRDA050D	50x40	16	90		MP1A6FLG110L	110	6	42	
MP1ASRDA063D	63x50	16	90						
MP1A6RBA040L	40x32	6	450	MP1A6FLA075L	75	6	14	 Flange Adapter	
MP1A6RBB050L	50x32	6	275	MP1A6FLA090L	90	6	12		
MP1A6RBA050L	50x40	6	260	MP1ATFLA063L	63	10	30		
MP1A6RBB063L	63x40	6	170	MP1ATFLA110L	110	10	8		
MP1A6RBA063L	63x50	6	135	MP1ATFLA160L	160	10	4		
MP1A6RBC075L	75x40	6	80						
MP1A6RBB075L	75x50	6	90	MP1ATBFL063L	63	10	12	 Blind Flange	
MP1A6RBA075L	75x63	6	96	MP1ATBFL075L	75	10	10		
MP1A6RBC090L	90x50	6	60	MP1ATBFL090L	90	10	9		
MP1A6RBB090L	90x63	6	60	MP1ATBFL110L	110	10	3		
MP1A6RBA090L	90x75	6	54						
MP1A6RBC110L	110x63	6	32	NP1A6SSA040L	40x15 (1/2")	6	25		 Service Saddle
MP1A6RBB110L	110x75	6	32	NP1A6SSA050L	50x15 (1/2")	6	25		
MP1A6RBA110L	110x90	6	32	NP1A6SSB050L	50x20 (3/4")	6	25		
MP1A6RBC140L	140x75	6	16	NP1A6SSC050L	50x25 (1")	6	25		
MP1A6RBB140L	140x90	6	16	NP1A6SSA063L	63x15 (1/2")	6	25		
MP1A6RBA140L	140x110	6	24	NP1A6SSB063L	63x20 (3/4")	6	25		
MP1A6RBC160L	160x90	6	10	NP1A6SSC063L	63x25 (1")	6	25		
MP1A6RBB160L	160x110	6	16	NP1A6SSA075L	75x15 (1/2")	6	25		
MP1A6RBB200L	200x160	6	6	NP1A6SSB075L	75x20 (3/4")	6	25		
MP1A6RBA250L	250x200	6	3	NP1A6SSC075L	75x25 (1")	6	25		
MP1ATRBA025L	25x20	10	1200	NP1A6SSA090L	90x15 (1/2")	6	25		
MP1ATRBB032L	32x20	10	900	NP1A6SSB090L	90x20 (3/4")	6	25		
MP1ATRBA032L	32x25	10	600	NP1A6SSC090L	90x25 (1")	6	25		
MP1ATRBD063L	63x25	10	125	NP1A6SSA110L	110x15 (1/2")	6	25		
MP1ASRBB032D	32x20	16	900	NP1A6SSB110L	110x20 (3/4")	6	25		
MP1ATRBA032D	32x25	16	900	NP1A6SSC110L	110x25 (1")	6	25		
MP1ASRBB040D	40x25	16	400	NP1A6SSA140L	140x15 (1/2")	6	18		
MP1ASRBA040D	40x32	16	750	NP1A6SSB140L	140x20 (3/4")	6	18		
MP1ASRBC050D	50x25	16	250	NP1A6SSC140L	140x25 (1")	6	18		
MP1ASRBA050D	50x40	16	400	NP1A6SSA160L	160x15 (1/2")	6	18		
MP1ASRBC063D	63x32	16	160	NP1A6SSB160L	160x20 (3/4")	6	18		
MP1ASRBA063D	63x50	16	210	NP1A6SSC160L	160x25 (1")	6	18		
MP1ASRBB075D	75x50	16	90	NP1A6SSC200L	200x25 (1")	6	10		
MP1ASRBA075D	75x63	16	150	NP1A6SSD200L	200x32 (1 1/4")	6	10		
MP1ASRBA090D	90x75	16	80	NP1A6SSE200L	200x40 (1 1/2")	6	10		
MP1ASRBA110D	110x90	16	48	NP1A6SSF200L	200x50 (2")	6	10		
									 End Cap (Plain)
MP1A6TBU075L	75x50 (2")	6	80	MP1A4ECP063L	63	4	100		
MP1A6TBU090L	90x65 (2 1/2")	6	54	MP1A4ECP075L	75	4	60		
				MP1A4ECP090L	90	4	40		
				MP1A4ECP110L	110	4	22		
				MP1A4ECP140L	140	4	14		
				MP1A4ECP180L	180	4	8		
MP1A6TLP063L	63	6	100						
MP1A6TLP075L	75	6	60						
MP1A6TLP090L	90	6	40						
MP1A6TLP110L	110	6	20						
MP1A6TLP140L	140	6	32						
MP1A6TLP160L	160	6	20						
MP1A6TLP200L	200	6	12						

1) Fittings are offered in Light Grey (LG) and Dark Grey (DG) colours. All the fittings shown in dark grey colour are in PN 16 pressure class. 2) Prefix "PN" indicates Nominal pressure, i.e., working pressure. 3) 1, 2 and 3 kgf/cm² pressure class economical fittings are also available under the brand name of "Smart", "Sufala L.W." and "Sufala" respectively. F - Fabricated.

Item Code	Size in mm	Pressure Class (kgf/cm ²)	Box qty.		Item Code	Size in mm	Pressure Class (kgf/cm ²)	Box qty.		
MP1A6ECP040L	40	6	310		MP2ATFTA032L	32x15 (1/2")	10	150		
MP1A6ECP050L	50	6	200		MP2ASFTA025D	25x15 (1/2")	16	130		
MP1A6ECP063L	63	6	100							
MP1A6ECP075L	75	6	60		MP2ATMTA025L	25x15 (1/2")	10	160		
MP1A6ECP090L	90	6	40		MP2ASRMT025D	25x15 (1/2")	16	60		
MP1A6ECP110L	110	6	22		MP2ASMTA025D	25x20 (3/4")	16	90		
MP1A6ECP160L	160	6	28							
MP1A6ECP180L	180	6	20		NP1A6BLV040L	40	6	32		
MP1A6ECP200L	200	6	14		NP1A6BLV050L	50	6	18		
MP1A6ECP250L	250	6	3		NP1A6BLV063L	63	6	12		
MP1A6ECP315L	315	6	1		NP1ATBLV020L	20	10	45		
MP1ATECP020L	20	10	1200		NP1ATBLV025L	25	10	30		
MP1ATECP025L	25	10	900		NP1ATBLV032L	32	10	44		
MP1ATECP032L	32	10	500							
MP1A6ECT040L	40x32 (1 1/4")	6	275		NP1A6BLV075L	75	6	5		
MP1A6ECT050L	50x40 (1 1/2")	6	200							
MP1A6ECT063L	63x50 (2")	6	140							
MP1A6ECT075L	75x65 (2 1/2")	6	75		NP1ATBLV075L	75	10	3		
MP1A6ECT090L	90x80 (3")	6	50		NP1ATBLV090L	90	10	2		
MP1A6ECT110L	110x100 (4")	6	24		NP1ATBLV110L	110	10	1		
MP1A6ECT111L	110x100 (4")	6	36							
MP1A6ECT140L	140x125 (5")	6	20		NP1ASBLV025D	25	16	16		
MP1ATECT020L	20x15 (1/2")	10	1200							
MP1ATECT025L	25x20 (3/4")	10	900		NP1ASBLV032D	32	16	28		
MP1ATECT032L	32x25 (1")	10	500	NP1ASBLV040D	40	16	16			
				NP1ASBLV050D	50	16	9			
MP1A4WYE250L	250	4	1		NP1ASBLV063D	63	16	6		
MP1A6WYE063L	63	6	60							
MP1A6WYE075L	75	6	16							
MP1A6WYE090L	90	6	8		NP1ASTBV025D	25(3/4")	16	16		
MP1A6WYE110L	110	6	5							
MP1A6WYE140L	140	6	6							
MP1A6WYE160L	160	6	4							
MP1A6WYE200L	200	6	1							
MP1A4RYD200L	200x110	4	2							
MP1A4RYB200L	200x160	4	2			NP1ATNRV075L	75	10	2	
MP1A6RYC110L	110x63	6	8							
MP1A6RYB160L	160x110	6	6	NP1ATNRV090L		90	10	1		
					NP1ATNRV110L	110	10	1		
					NP1ASNRV063D	63	16	6		
					NP1ATTNR075L	75	10	2		
MP2ATFTT025L	25x15 (1/2")	10	75		NP1ATTNR090L	90	10	1		
MP2ATFTT032L	32x15 (1/2")	10	75		NP1ATTNR110L	110	10	1		
MP2ASFTT025D	25x15 (1/2")	16	64							
					NP1ASTNR063D	63	16	6		
MP2ATFTE025L	25x15 (1/2")	10	140		NP7ATARV020B	3/4"	10	24		
MP2ATFTE032L	32x15 (1/2")	10	100		NP7ATARV025B	1"	10	18		
MP2ASFTE025D	25x15 (1/2")	16	100		NP7ATARV032B	1 1/4"	10	12		
					NP7ATARV040B	1 1/2"	10	8		
					NP1ASARV063D	2"	16	3		

1) Fittings are offered in Light Grey (LG) and Dark Grey (DG) colours. All the fittings shown in dark grey colour are in PN 16 pressure class. 2) Prefix "PN" indicates Nominal pressure, i.e., working pressure. 3) 1, 2 and 3 kgf/cm² pressure class economical fittings are also available under the brand name of "Smart", "Sufala L.W." and "Sufala" respectively. F - Fabricated, *Marked fittings will be shortly introduced.

Item Code	Size in mm	Pressure Class (kgf/cm ²)	Box qty.
4100759	75	10	1
4100760	90	10	1
4100761	110	10	1
4100657	160	10	1



Butterfly Valve

NP1ATUNIO25L	25	10	75
NP1ATUNIO32L	32	10	50
NP1ATUNIO40L	40	10	35
NP1ATUNIO50L	50	10	15
NP1ATUNIO63L	63	10	10



Union

FPP3SB9040LG	40	6	
FPP3SB9050LG	50	6	120
FPP3SB9063LG	63	6	120
FPP3SB9075LG	75	6	
FPP3SB9090LG	90	6	
FPP4SB9025LG	25	10	
FPP4SB9032LG	32	10	70



Short Bend (1D)

FPP2ERC076LG	75	4	
FPP2ERC091LG	90	4	
FPP2ERC111LG	110	4	
FPP2ERC141LG	140	4	
FPP2ERC161LG	160	4	
FPP3ERC064LG	63	6	
FPP3ERC076LG	75	6	
FPP3ERC091LG	90	6	
FPP3ERC112LG	110	6	
FPP3ERC142LG	140	6	
FPP3ERC162LG	160	6	



Repair Coupler Short
(with elastomeric rubber seal)

FPP2ERC075LG	75	4	
FPP2ERC090LG	90	4	
FPP2ERC110LG	110	4	
FPP2ERC140LG	140	4	
FPP2ERC160LG	160	4	
FPP2ERC180LG	180	4	
FPP2ERC200LG	200	4	
FPP2ERC225LG	225	4	
FPP2ERC250LG	250	4	
FPP2ERC280LG	280	4	
FPP2ERC315LG	315	4	
FPP3ERC063LG	63	6	
FPP3ERC075LG	75	6	
FPP3ERC090LG	90	6	
FPP3ERC110LG	110	6	
FPP3ERC140LG	140	6	
FPP3ERC160LG	160	6	
FPP3ERC180LG	180	6	
FPP3ERC200LG	200	6	
FPP3ERC225LG	225	6	
FPP3ERC250LG	250	6	
FPP3ERC280LG	280	6	
FPP3ERC315LG	315	6	



Repair Coupler Long
(with elastomeric rubber seal)

Item Code	Size in mm	Pressure Class (kgf/cm ²)	Box qty.
FPP4ERC063LG	63	10	
FPP4ERC075LG	75	10	
FPP4ERC090LG	90	10	
FPP4ERC110LG	110	10	
FPP4ERC125LG	125	10	
FPP4ERC141LG	140	10	
FPP4ERC160LG	160	10	
FPP4ERC180LG	180	10	
FPP4ERC200LG	200	10	
FPP4ERC225LG	225	10	
FPP4ERC250LG	250	10	
FPP4ERC280LG	280	10	
FPP4ERC315LG	315	10	



Repair Coupler Long
(with elastomeric rubber seal)

FPP4RCP063LG	63	10	
FPP4RCP075LG	75	10	
FPP4RCP090LG	90	10	
FPP4RCP111LG	110	10	
FPP4RCP140LG	140	10	
FPP4RCP160LG	160	10	
FPP4RCP180LG	180	10	
FPP4RCP200LG	200	10	
FPP4RCP225LG	225	10	
FPP4RCP250LG	250	10	
FPP4RCP280LG	280	10	



Repair Coupler (F)

FPP3SLC063LG	63	6	75
FPP3SLC075LG	75	6	60
FPP3SLC090LG	90	6	50
FPP3SLC110LG	110	6	25
FPP3SLC140LG	140	6	12
FPP3SLC160LG	160	6	10
FPP3SLC180LG	180	6	8
FPP3SLC200LG	200	6	4



Leakage Coupler (F)

All the leakage couplers are available in 6", 9" and 12" standard length.

4100394	50ml	100
4100396	100ml	50
4100395	50ml	48
4100397	100ml	24
4100398	250ml	24
4100399	500ml	24
4100400	1000ml	6
4100401	5000ml	4



Solvent Cement Regular Bodied

Note: Recommended for smaller sizes and lower pressure class upto 75mm size - any pressure class upto 110mm size in 4 and 6 kgf/cm², upto 200mm size - 2.5 kgf/cm²

4100704	100ml	24
4100705	250ml	24
4100706	500ml	24
4100392	1000ml	6
4100393	5000ml	4



Solvent Cement Heavy Bodied

Note: Recommended for larger sizes and higher pressure class- 90mm and 110mm in 10 and 12.5 kgf/cm² 140mm and above sizes in 4, 6, 10 and 12.5 kgf/cm²

1) Fittings are offered in Light Grey (LG) and Dark Grey (DG) colours. All the fittings shown in dark grey colour are in PN 16 pressure class. 2) Prefix "PN" indicates Nominal pressure, i.e., working pressure. 3) 1, 2 and 3 kgf/cm² pressure class economical fittings are also available under the brand name of "Smart", "Sufala L.W." and "Sufala" respectively. F - Fabricated.

Item Code	Size in mm	Box qty.
4100707	100ml	24
4100708	250ml	24
4100709	500ml	24
4100710	1000ml	6
4100711	5000ml	4



4100442	110-175x15 (1/2")
4100443	110-175x20 (3/4")
4100448	110-175x40 (1 1/2")
4100449	200-300x40 (1 1/2")
4100446	200-300x50 (2")
4100447	200-400x50 (2")



Handmade Fittings

Besides a vast range of moulded fittings, an exhaustive range of handmade fitting is also available from Supreme. This range of products includes couplers, bends, short bends, tee's, reducing tee's, cross tee's, tail pieces, reducers, single or reducing Y's, end caps, leakage couplers etc. in 20 to 450mm sizes in different pressure classes.

Handmade division of the Company is equipped to make any tailor-made product as per customer requirements. This implies a complete system solution made of the same material eliminating the dependence of the customer on any other conventional product.



THE SYSTEM

Supreme polyethylene pipes are a safe, long lasting and cost effective solution for potable water supply, irrigation and bore well application. Supreme HDPE pipes are manufactured from virgin raw material with the help of state of the art manufacturing facilities. Stringent tests on raw material and finished goods ensure the quality as per national and international standards. The pipes and fittings are available in complete range from 20 to 800mm sizes. The pipes are available in PN 2.5 to PN 16 pressure class in PE 63, PE 80 and PE 100 grades. Supreme PE pipes are manufactured according to IS:4984 and ISO:4427. Supreme PE pipes are tested by WRc-NSF, UK, to endorse its suitability for potable water.



FEATURES AND BENEFITS

- High reliability and proven service performance
- Resistance to low temperature
- High impact resistance
- Abrasion resistance
- Excellent flow characteristics
- Excellent chemical resistance
- Excellent weld-ability
- Excellent UV resistance
- Wide variety of installation methods
- Easy, quick and economical installation
- Long service life

Fields of application

Polyethylene is an exciting material used for the manufacture of pipes for many and varied applications as enlisted in table.

APPLICATION	GRADE
Potable water mains, house connections	PE 63, 80, 100
Rural and agricultural pipes	PE 63, 80
Column pipes for submersible pumps in coil form	PE 63, 80
Sprinkler and drip irrigation	PE 63 and above grade
Sewerage/Subsoil drainage	PE 80, 100
Coal handling in mines	PE 80, 100
Industrial applications	PE 63, 80 and 100
ID Pipes for Submersible Pump	PE 63, 80

Standard dimension ratio (SDR) and corresponding wall thicknesses of pipes as per IS 4984:2016

SDR	SDR 41		SDR 33		SDR 26		SDR 21		SDR 17		SDR 13.6		SDR 11		SDR 9		SDR 7.4		SDR 6	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
PE 63	PN 2		PN 2.5		PN 3.2		PN 4		PN 5		PN 6		PN 8		-		-		-	
PE 80	PN 2.5		PN 3.2		PN 4		PN 5		PN 6		PN 8		PN 10		PN 12.5		PN 16		PN 20	
PE 100	PN 3		PN 4		PN 5		PN 6		PN 8		PN 10		PN 12.5		PN 16		PN 20		-	
Nominal OD																				
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8	2.1	2.2	2.5	2.7	3.1
20	-	-	-	-	-	-	-	-	-	-	-	-	1.9	2.2	2.3	2.6	2.7	3.1	3.4	3.8
25	-	-	-	-	-	-	-	-	-	-	1.9	2.2	2.3	2.6	2.8	3.2	3.4	3.8	4.2	4.7
32	-	-	-	-	-	-	-	-	1.9	2.2	2.4	2.7	2.9	3.3	3.6	4.1	4.4	4.9	5.4	6.0
40	-	-	-	-	-	-	1.9	2.2	2.4	2.7	3.0	3.4	3.7	4.2	4.5	5.1	5.4	6.0	6.7	7.5
50	-	-	-	-	2.0	2.3	2.4	2.7	3.0	3.4	3.7	4.2	4.6	5.2	5.6	6.3	6.8	7.6	8.4	9.3
63	-	-	-	-	2.5	2.9	3.0	3.4	3.7	4.2	4.7	5.3	5.8	6.5	7.0	7.8	8.6	9.6	10.5	11.7
75	1.9	2.2	2.3	2.6	2.9	3.3	3.6	4.1	4.5	5.1	5.6	6.3	6.9	7.7	8.4	9.3	10.2	11.3	12.5	13.9
90	2.2	2.5	2.8	3.2	3.5	4.0	4.3	4.8	5.3	5.9	6.7	7.5	8.2	9.1	10.0	11.1	12.2	13.5	15.0	16.6
110	2.7	3.1	3.4	3.8	4.3	4.8	5.9	6.6	6.5	7.3	8.1	9.0	10.0	11.1	12.3	13.6	14.9	16.5	18.4	20.3
125	3.1	3.5	3.8	4.3	4.8	5.4	6.0	6.7	7.4	8.2	9.2	10.2	11.4	12.7	13.9	15.4	16.9	18.7	20.9	23.1
140	3.5	4.0	4.3	4.8	5.4	6.0	6.7	7.5	8.3	9.2	10.3	11.4	12.8	14.2	15.6	17.3	19.0	21.0	23.4	25.8
160	3.9	4.4	4.9	5.5	6.2	6.9	7.7	8.6	9.5	10.6	11.8	13.1	14.6	16.2	17.8	19.7	21.7	24.0	26.7	29.5
180	4.4	4.9	5.5	6.2	7.0	7.8	8.6	9.6	10.6	11.8	13.3	14.7	16.4	18.1	20.0	22.1	24.4	26.9	30.0	33.1
200	4.9	5.5	6.1	6.8	7.7	8.6	9.6	10.7	11.8	13.1	14.7	16.3	18.2	20.1	22.3	24.6	27.1	29.9	33.4	36.8
225	5.5	6.2	6.9	7.7	8.7	9.7	10.8	12.0	13.3	14.7	16.6	18.4	20.5	22.7	25.0	27.6	30.5	33.7	37.5	41.4
250	6.1	6.8	7.6	8.5	9.7	10.8	12.0	13.3	14.7	16.3	18.4	20.3	22.8	25.2	27.8	30.7	33.8	37.3	41.7	46.0
280	6.9	7.7	8.5	9.5	10.8	12.0	13.4	14.8	16.5	18.3	20.6	22.8	25.5	28.2	31.2	34.4	37.9	41.8	46.7	51.5
315	7.7	8.6	9.6	10.7	12.2	13.5	15.0	16.6	18.6	20.6	23.2	25.6	28.7	31.7	35.0	38.6	42.6	47.0	52.5	57.9
355	8.7	9.7	10.8	12.0	13.7	15.2	16.9	18.7	20.9	23.1	26.1	28.8	32.3	35.6	39.5	43.6	48.0	52.9	59.2	65.2
400	9.8	10.9	12.2	13.5	15.4	17.0	19.1	21.1	23.6	26.1	29.5	32.6	36.4	40.1	44.5	49.1	54.1	59.6	66.7	73.5
450	11.0	12.2	13.7	15.2	17.3	19.1	21.5	23.8	26.5	29.3	33.1	36.5	40.9	45.1	50.0	55.1	60.9	67.1	75.0	82.6
500	12.2	13.5	15.2	16.8	19.3	21.3	23.9	26.4	29.5	32.6	36.8	40.6	45.5	50.2	55.6	61.3	67.6	74.5	83.4	91.8
560	13.7	15.2	17.0	18.8	21.6	23.9	26.7	29.5	33.0	36.4	41.2	45.4	50.9	56.1	62.3	68.6	75.7	83.4	93.4	102.8
630	15.4	17.0	19.1	21.1	24.3	26.8	30.0	33.1	37.1	40.9	46.4	51.1	57.3	63.1	70.0	77.1	85.2	93.8	105.0	115.6
710	17.3	19.1	21.6	23.9	27.3	30.1	33.9	37.4	41.8	46.1	52.2	57.5	64.6	71.2	78.9	86.9	96.0	105.7	118.4	130.3
800	19.5	21.6	24.3	26.8	30.8	34.0	38.1	42.0	47.1	51.9	58.9	64.9	72.8	80.2	88.9	97.9	108.2	119.1	-	-

* Pressure ratings marked in red color are not covered under ISI mark

Dimension and pressure rating chart for HDPE pipes (PE 80) as per ISO:4427

OD DN	PN 5 (SDR 26)		PN 6 (SDR 21)		PN 8 (SDR 17)		PN 10 (SDR 13.6)		PN 12.5 (SDR 11)		PN 16 (SDR 9)	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
20	-	-	-	-	-	-	-	-	2.00	2.30	2.30	2.70
25	-	-	-	-	-	-	2.00	2.30	2.30	2.70	3.00	3.40
32	-	-	-	-	2.00	2.30	2.40	2.80	3.00	3.40	3.60	4.10
40	-	-	2.00	2.30	2.40	2.80	3.00	3.50	3.70	4.20	4.50	5.10
50	2.00	2.30	2.40	2.80	3.00	3.40	3.70	4.20	4.60	5.20	5.60	6.30
63	2.50	2.90	3.00	3.40	3.80	4.30	4.70	5.30	5.80	6.50	7.10	8.00
75	2.90	3.30	3.60	4.10	4.50	5.10	5.60	6.30	6.80	7.60	8.40	9.40
90	3.50	4.00	4.30	4.90	5.40	6.10	6.70	7.50	8.20	9.20	10.10	11.30
110	4.20	4.80	5.30	6.00	6.60	7.40	8.10	9.10	10.00	11.10	12.30	13.70
125	4.80	5.40	6.00	6.70	7.40	8.30	9.20	10.30	11.40	12.70	14.00	15.60
140	5.40	6.10	6.70	7.50	8.30	9.30	10.30	11.50	12.70	14.10	15.70	17.40
160	6.20	7.00	7.70	8.60	9.50	10.60	11.80	13.10	14.60	16.20	17.90	19.80

Note: Blue MDPE Pipes (PE80) for drinking water are also made available in SDR 21, SDR 11 and SDR 9 in 20 to 32mm sizes.

Dimensions and pressure rating chart for HDPE pipes (PE 100) as per ISO:4427

OD DN	PN 4 (SDR 41)		PN 6 (SDR 26)		PN 8 (SDR 21)		PN 10 (SDR 17)		PN 12.5 (SDR 13.6)		PN 16 (SDR 11)	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
20	-	-	-	-	-	-	-	-	-	-	2.0	2.3
25	-	-	-	-	-	-	-	-	2.0	2.3	2.3	2.7
32	-	-	-	-	-	-	2.0	2.3	2.4	2.8	3.0	3.4
40	-	-	-	-	2.0	2.3	2.4	2.8	3.0	3.5	3.7	4.2
50	-	-	2.0	2.3	2.4	2.8	3.0	3.4	3.7	4.2	4.6	5.2
63	-	-	2.5	2.9	3.0	3.4	3.8	4.3	4.7	5.3	5.8	6.5
75	-	-	2.9	3.3	3.6	4.1	4.5	5.1	5.6	6.3	6.8	7.6
90	-	-	3.5	4.0	4.3	4.9	5.4	6.1	6.7	7.5	8.2	9.2
110	-	-	4.2	4.8	5.3	6.0	6.6	7.4	8.1	9.1	10.0	11.1
125	-	-	4.8	5.4	6.0	6.7	7.4	8.3	9.2	10.3	11.4	12.7
140	-	-	5.4	6.1	6.7	7.5	8.3	9.3	10.3	11.5	12.7	14.1
160	-	-	6.2	7.0	7.7	8.6	9.5	10.6	11.8	13.1	14.6	16.2
180	-	-	6.9	7.7	8.6	9.6	10.7	11.9	13.3	14.3	16.4	18.2
200	-	-	7.7	8.6	9.6	10.7	11.9	13.2	14.7	16.3	18.2	20.2
225	-	-	8.6	9.6	10.8	12.0	13.4	14.9	16.6	18.4	20.5	22.7
250	-	-	9.6	10.7	11.9	13.2	14.8	16.4	18.4	20.4	22.7	25.1
280	-	-	10.7	11.9	13.4	14.9	16.6	18.4	20.6	22.8	25.4	28.1
315	7.7	8.6	12.1	13.5	15.0	16.6	18.7	20.7	23.2	25.7	28.6	31.6
355	8.7	9.7	13.6	15.1	16.9	18.7	21.1	23.4	26.1	28.9	32.2	35.6
400	9.8	10.9	15.3	17.0	19.1	21.2	23.7	26.2	29.4	32.5	36.3	40.1
450	11.0	12.2	17.2	19.1	21.5	23.8	26.7	29.5	33.1	36.6	40.9	45.1

Fittings

Recently we have introduced many varieties of PE fittings in 63 to 800 mm sizes in PN 6, 10 and 16 pressure class. These fittings are made available in PE100 grade to complete the system requirements. Stub End, Reducer and End Cap are available in moulded form whereas rest of the fittings like Bends 11.25° / 22.5° / 30° / 45° / 60° / 75° / 90°, Equal Tees, Cross Tees, Single Y's, Double Y's are available in handmade form.



THE SYSTEM

Supreme offers HDPE coupled pipes, fittings and accessories, for sprinkler irrigation. This is used for spraying water through nozzles (sprinklers) to get maximum water use efficiency. This system consists of pipes and fittings along with different accessories which are designed and developed by experts in the field to provide the best quality.

Supreme Varsha® sprinkler irrigation system can be used even in undulating fields with excellent results and is useful for almost all types of soils and crops. The system, while helping in reducing the requirement of water for irrigation, effectively prevents soil erosion.

Product range

Supreme Varsha® sprinkler pipes are manufactured as per IS:14151 (Part 1) with licence to produce 50 to 200mm pipes in Class 1 (2.5 Kg/cm²), Class 2 (3.2 Kg/cm²), Class 3 (4 Kg/cm²) and 90mm size in Class 4 (6 Kg/cm²).

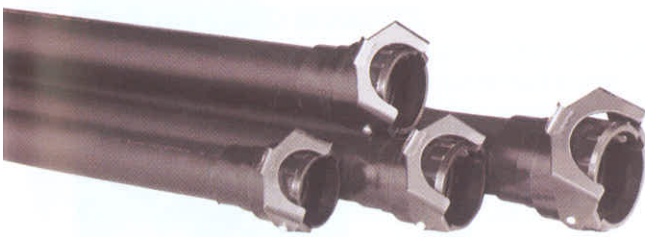
Supreme Varsha® sprinkler fittings are manufactured as per IS:14151 (Part 2) with licence to produce 50 to 140mm in Class 1 (2.5 Kg/cm²), Class 2 (3.2 Kg/cm²) and 90mm size in Class 4 (6 Kg/cm²).

FEATURES AND BENEFITS

- More than 40% water saving in comparison to flood irrigation.
- Well suited for irrigation of undulating fields- levelling of land is not required.
- Portable, light weight and easy to handle.
- Extensive saving in transportation and labor cost.
- Easy and quick installation by using coupler type joint provided with pipes and fittings.
- Excellent corrosion resistant properties.
- UV stabilized - Provides protection from ultra violet Sunrays which makes it suitable for exposed application.
- Chemically inert - Makes it suitable for liquid fertilizers and pesticides.
- Strong, durable and long lasting.
- Cost effective.

Application

Suitable for almost all crops like wheat, gram, pulses, vegetables, cotton, tea, coffee and field crops like corn and soybean. It is also suitable for gardens maintained in residences, industries, hotels, resorts, public and government premises as also large green patches like the golf and race courses.



PIPES

Dimensions of pipes







Nominal size (mm)	Outside diameter (mm)		Wall thickness (mm)					
			Class 1		Class 2		Class 3	
			Min	Max	Min	Max	Min	Max
50	50.0	50.5	-	-	-	-	2.00	2.40
63	63.0	63.6	-	-	2.00	2.40	2.50	2.90
75	75.0	75.7	2.00	2.40	2.50	2.90	3.00	3.40
90	90.0	90.8	2.20	2.60	2.90	3.40	3.50	4.10
110	110.0	111.0	2.70	3.20	3.40	3.90	4.20	4.80
125	125.0	126.2	3.10	3.60	3.80	4.50	4.80	5.50
140	140.0	141.3	3.50	4.10	4.30	5.00	5.40	6.10
160	160.0	161.5	3.90	4.50	4.90	5.60	6.20	7.00
180	180.0	181.7	4.40	5.00	5.50	6.30	6.90	7.80
200	200.0	201.8	4.90	5.60	6.10	7.00	7.70	8.70

Note: Spray pipes are also made available in 14mm x 8mm and 20mm 16 Kg/cm² pipes in 100m lengths. Coil length are also offered for spray pumps for orchards.

Fittings and accessories

Elbow, tee, end cap, bottom (base pipe), service saddle, etc. are available along with couplers and Sprinklers (nozzles), riser pipes, and metal clamps as per the requirements which makes the system complete in all respect.

FITTINGS

Item Code	Size in mm	Pressure Class (kgf/cm ²)		Item Code	Size in mm	Pressure Class (kgf/cm ²)	
RC2BNA00063K	63	4		RC5ECA00063K	63	4	 End Cap
RC2BNA00075K	75	4		RC5ECA00075K	75	4	
RC2BNA00090K	90	4		RC5ECA00090K	90	4	
RC5BNA00063K	63	4	 Coupled Bend	RC5ECA00110K	110	4	
RC5BNA00075K	75	4		RC2ETA00063K	63	4	
RC5BNA00090K	90	4		RC2ETA00075K	75	4	
RC5BNA00110K	110	4		RC2ETA00090K	90	4	
RC2PCN00063K	63	4	 Threaded Pump Connector	RC5ETA00063K	63	4	 Foot Batten Adaptor with M.S. Saddle
RC2PCN00075K	75	4		RC5ETA00075K	75	4	
RC2PCN00090K	90	4		RC5ETA00090K	90	4	
RC5PCN00063K	63	4	 Threaded Pump Connector	RC5ETA00110K	110	4	
RC5PCN00075K	75	4		RC2FBT00063K	63	4	
RC5PCN00090K	90	4		RC2FBT00075K	75	4	
RC5PCN00090K	110	4		RC2FBT00090K	90	4	
RC2ECA00063K	63	4	 End Cap	RC5FBT00063K	63	4	
RC2ECA00075K	75	4		RC5FBT00075K	75	4	
RC2ECA00090K	90	4		RC5FBT00090K	90	4	
				RC5FBT00110K	110	4	

Item Code	Nozzle Size (mm)	Pressure (Kg/cm ²)	Diameter (m)	Discharge (LPM)
1603312	5.15 x 3.17	2.00	25.00	34.00
		2.50	28.00	36.50
		3.00	30.00	38.00
		3.50	32.00	41.00



THE SYSTEM

It has been seen that in majority of the cases, tube wells fail due to corrosion and encrustation associated with conventional pipes. Corrosion damages the strainer screens allowing the sand particles to enter along with water while the encrustation reduce the pipe diameter and as well as the effective area of screen, making the tube well unserviceable in a short period of time. Supreme has totally eliminated these problems with its casing pipes made from specially developed PVC compounds. Additionally, Supreme casing pipes offer superior performance at a lower cost which has made them a preferred choice of the customers.

Supreme offers a variety of pipes for bore-well applications to cater every need of bore-well sector which includes casing pipes as per IS:12818 and ASTM D:1785, ribbed screen casing pipes for tube wells. SDR casing pipe series for shallow depth applications as per our own standards and plain pipes as well as screen(slotted) pipes are available in every category of casing pipes. Slotted pipes can also be used for rainwater harvesting. Column pipes for submersible pumps are also offered to lift water from the bore-wells.

Users: Excellent results given by our products have made the Supreme uPVC casing pipes well accepted by civil engineers, drilling contractors and government/semi-government. They are ideal for domestic use, irrigation, industrial, public and mining wells.

FEATURES AND BENEFITS

Wide varieties - Supreme offers varieties of casing pipes to suit different application requirement in bore-well sector.

Excellent corrosion resistant - Unlike steel pipes, uPVC casing pipes are completely immune to corrosion and offer good

resistance to aggressive elements in the soil which could cause encrustation of well screens.

Light in weight - These pipes are light in weight which makes their transportation and installation easy and cheaper than conventional materials. These advantages particularly manifest themselves in rural areas where they are most needed but due to poor roads, transportation is difficult.

Quick and convenient installation - These pipes are provided with good quality threaded joints due to which they can be easily assembled and installed where drilling is done by hand, with light weight drilling rig or even with large capacity drilling machines.

Excellent strength and stiffness - These pipes have excellent stiffness and meet all the mechanical properties as per IS:12818. They have excellent hydrostatic collapse pressure that is capable of withstanding the external hydraulic pressure which these pipes would be subjected to during construction of the well.

Non-toxic - The material of the pipe is non-toxic and hence does not impart any taste, odour or colour to water. It also does not release any harmful substance in the water which could pose health problems. It also resists bacteria, making it completely safe for drinking water.

Non-conductive - uPVC is non-conductor of electricity eliminating any electro chemical reactions and with ground water which could cause encrustation of screens.

Long lasting - As the material is free from rusting, weathering, chemical reactions and with excellent mechanical properties, Supreme casing pipes last a lifetime.

Economical - Apart from all the advantages listed above, Supreme uPVC casing pipes and screens are most economical borewell solution as compared to other materials or even alternative uPVC casing pipes available in the market.

Casing Pipes conforming to IS:12818-1992

These pipes are manufactured as per BIS standards (IS:12818-1992) and are available in deep blue colour. One end of the pipe is male threaded whereas other end is a female threaded socket. Threads are either 'V' type or trapezoid type and protection caps are provided on the threads to protect the threads in transit. Two types of pipes, viz., Shallow Well (C.S.) and Medium Well (C.M.) are available. Shallow well pipes can be used for depths up to 80m and medium well pipes can be used up to 250m of depth.



Dimensions of Casing Pipes conforming to IS:12818-1992

Shallow Well - C.S. (Suitable upto 80m depth)

Nominal sizes	Outer diameter (D) in mm		Wall thickness (t) in mm		Length L (m)
	Min	Max	Min	Max	
#125mm (5")	140	140.4	5.0	5.6	3
150mm (6")	165	165.4	5.7	6.5	3
175mm (7")	200	200.5	7.0	7.8	3
200mm (8")	225	225.5	7.6	8.8	3
250mm (10")	280	280.5	9.6	11.0	3

Medium Well - C.M. (Suitable upto 250m depth)

35mm (1¼")	42	42.2	3.5	4.0	3
40mm (1½")	48	48.2	3.5	4.0	3/6
50mm (2")	60	60.2	4.0	4.6	3
80mm (3")	88	88.3	4.0	4.6	3/6
100mm (4")	113	113.3	5.0	5.7	3/5
115mm	125	125.3	5.0	5.7	3
125mm (5")	140	140.4	6.5	7.3	3
150mm (6")	165	165.4	7.5	8.5	3
175mm (7")	200	200.5	8.8	9.8	3
200mm (8")	225	225.5	10.0	11.2	3
#240mm	240	240.8	11.0	12.0	3
250mm (10")	280	280.5	12.5	14.0	3

Note: #Marked pipe dimensions are as per company standard.

Casing Pipes conforming to ASTM D-1785

Recently we have introduced heavy duty casing pipes as per ASTM D-1785 specifications to cater to the market needs. These pipes are available in SCH 40 and SCH 80 varieties. These pipes are strong and durable with higher stiffness as compared to IS:12818 pipes available in the market.



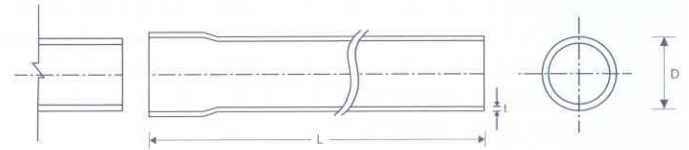
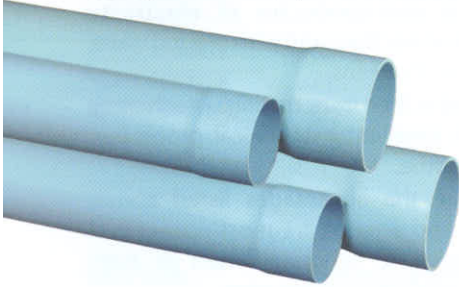
Casing Pipes as per ASTM D-1785

Nominal sizes	Outer diameter (mm)		Wall thickness (mm)				Length (m)	Thread type
	Min	Max	Schedule 40		Schedule 80			
40mm (1½")	48.11	48.41	3.68	4.19	5.08	5.69	3/6	V
50mm (2")	60.17	60.47	3.91	4.42	5.54	6.20	3/6	V
80mm (3")	88.70	89.10	5.49	6.15	7.01	7.49	3/6	V
100mm (4")	114.07	114.53	6.02	6.73	8.56	9.58	3/5	V
150mm (6")	168.00	168.56	7.11	7.97	10.97	12.29	5/3	Square
200mm (8")	218.70	219.40	8.18	9.17	12.70	14.22	5/3	Square
250mm (10")	272.67	273.43	9.27	10.39	15.06	16.86	3	Square
300mm (12")	323.47	324.23	10.31	11.55	17.45	19.53	3	Square

Note: Pipe length is inclusive of socket length

SDR Casing Pipes

These economical pipes, manufactured as per company standards, are suitable for shallow depths where soil formation is favorable. Use of these pipes for a particular application needs to be examined on case to case basis. One end of the pipe is plain end whereas other end is socketed for solvent weld joint. These pipes are available in blue colour.

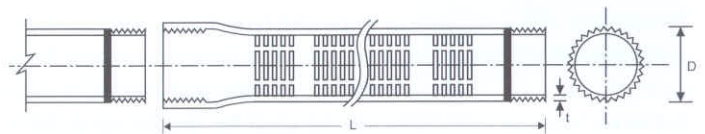


Dimensions of SDR Casing pipes

Diameter of pipe (D) in mm	Tolerance in OD (mm)	Wall thickness (t) in mm		Length L (m)
		Min	Max	
SDR-35				
110	+0.4	3.10	3.50	6
140	+0.5	4.00	4.60	6
160	+0.5	4.50	4.90	6
180	+0.6	5.10	5.60	6
200	+0.6	5.70	6.30	6
SDR-52				
110	+0.4	2.10	2.40	6
140	+0.5	2.70	3.20	6
160	+0.5	3.10	3.50	6
180	+0.6	3.50	3.90	6
200	+0.6	3.80	4.30	6

Ribbed Screen Casing Pipes

These pipes are provided with 'V' shape ribs on its exterior surface. The special design of this structure with fine slots provided on the pipes, prevent entry of even small particles and hence permeability of the screen is maintained. These pipes are generally used in combined wells or used for specific soil formation where normal screen pipes do not work, e.g., fine sand. These pipes are provided with male and female threaded ends.



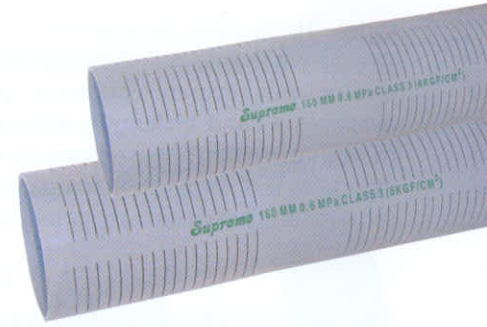
Dimensions of Ribbed screen casing pipes

Nominal sizes	Outer diameter (D) in mm		Wall thickness (t) in mm		Length L (m)
	Min	Max	Min	Max	
40mm (1½")	52	52.2	3.5	4.0	2/3
50mm (2")	64	64.2	4.0	4.6	2/3
80mm (3")	92	92.3	4.0	4.6	2/3
100mm (4")	117	117.3	5.0	5.7	2/3
125mm (5")	144	144.4	6.5	7.3	3
150mm (6")	169	169.4	7.5	8.5	2/3
175mm (7")	204	204.5	8.8	9.8	3
200mm (8")	229	229.5	10.0	11.2	3

Note: Ribbed screen pipes as per IS:12818 are available in blue colour.

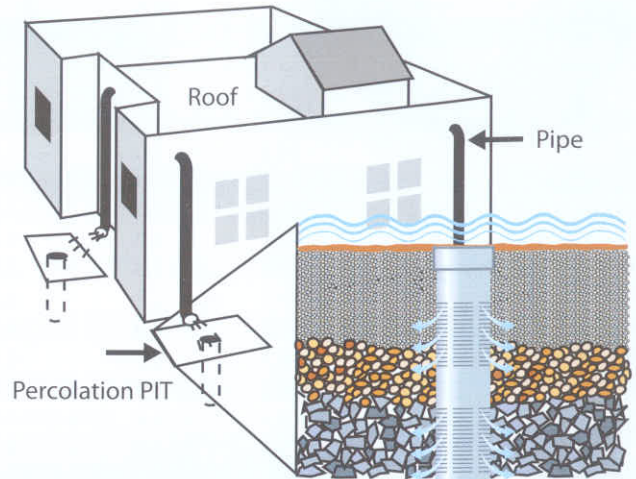
Screen/Slotted Pipes

Screen or Slotted pipes are used for casing in ground water section to allow water to enter inside the well. These pipes can also be used to provide soak-ways for the storm water/rain water to infiltrate it back into surrounding areas. Thus we can recharge the ground water and prevent runoff of rain water. These percolation pipes can also be used in roof top rain water harvesting in the form of percolation pit, to recharge the ground water. These pipes can also be used to control and reduce the volume of discharge of rain water into existing main sewer systems and water courses.



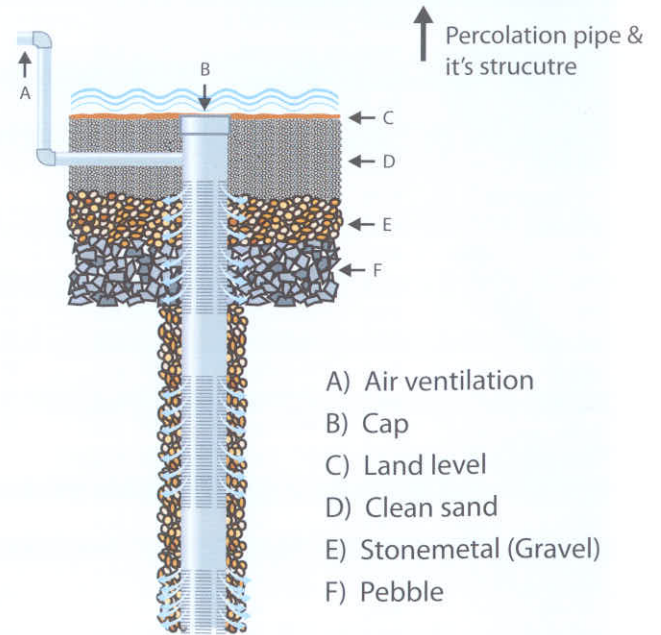
Dimensions details of Screen/Slots of Casing Pipes conforming to IS:12818-1992

Size (mm)	No of Rows	Slot width (mm)	Distance between slots (mm)	Slot width (mm)	Distance between slots (mm)	Slot Length (mm)
35	3	0.5	6	1.5	9.5	25
40	3	0.5	6	1.5	9.5	28
50	3	0.5	6	1.5	9.5	36
80	3	0.5	6	1.5	9.5	56
100	5	0.5	6	1.5	9.5	43
115	5	0.5	5.5	1.5	8.5	48
125	5	0.5	5.5	1.5	8.5	48
150	5	0.5	5.5	1.5	8.5	57
175	5	0.5	5.5	1.5	8.5	56
200	6	0.5	5.5	1.5	8.5	65



Dimensions details of Screen/Slots of SDR pipes/ Pipes conforming to IS:4985 used as casing

Size (mm)	No of Rows	Slot width (mm)	Distance between slots (mm)	Slot Length (mm)
110	3	1.5	10	70
140	5	1.5	10	50
160	5	1.5	10	55
180	5	1.5	10	80
200	5	1.5	10	90
225	5	1.5	10	90
250	6	1.5	10	95
315	8	1.5	10	90
400	8	1.5	10	90



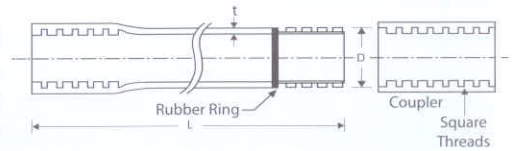
Column Pipes for Submersible Pumps

These pipes have been specially designed and are manufactured under stringent quality checks. They are tested to withstand system loads comprising the weight of the pump, water and pipe weight with adequate factor of safety. Due to unique design of square threads, they can withstand considerable shock and jerk loads during operation. Pipes supplied with separate couplers are integrally locked with the pipes. Couplers are locked with the pipes using wire lock or using special adhesives.

Supreme column pipes for submersible pump offer many advantages like light weight, high tensile load capacity, leak proof joints and long life making them very economical. These provide a much better option over the conventional metal



pipes. These pipes are available in 25 to 100mm (1" to 4") dia in different classes. Pipes have female belled threads at one end and male threads on the other end and/or with separate coupler as per the details given in the table. Pipes are available in 2 and 3m lengths with square threads fitted with rubber sealing ring at male threaded end. These pipes are available in light, medium, super medium, eco standard, standard, super standard, heavy and super heavy duty variants as per requirement based on installation depths from 100 to 450mtrs.



Dimensions of Column Pipes for submersible pumps

Size		Outer diameter (D) in mm		Wall thickness (t) in mm		Length	End type	Recommended installation depth (feet)
mm	inch	Min	Max	Min	Max	L (m)		
Light Duty (Blue coloured marking)								
25	1"	33.0	33.3	1.9	2.1	3	Male/Female or with Coupler	426
32	1¼"	42.0	42.3	2.4	2.7	3	Male/Female or with Coupler	492
40	1½"	48.0	48.3	2.5	2.9	3	Male/Female or with Coupler	426
50	2"	60.0	60.3	2.6	3.0	3	Coupler	361
Medium Duty (Orange coloured marking)								
25	1"	33.0	33.3	2.0	2.3	2/3	Male/Female or with Coupler	492
32	1¼"	42.0	42.3	2.8	3.2	3	Male/Female or with Coupler	656
40	1½"	48.0	48.3	2.8	3.2	3	Male/Female or with Coupler	525
50	2"	60.0	60.3	2.8	3.2	3	Coupler	426
65	2½"	75.0	75.3	2.9	3.3	3	Coupler	328
80	3"	88.0	88.3	3.2	3.5	3	Coupler	361
80 (RE)	3"	88.0	88.3	3.2	3.5	3	Coupler	361
100	4"	113.0	113.3	3.8	4.1	3	Coupler	328
100 (RE)	4"	113.0	113.3	3.6	4.0	3	Coupler	328
Super Medium Duty (Orange coloured marking)								
25	1"	33.0	33.3	2.6	2.9	3	Male/Female or with Coupler	722
40	1½"	48.0	48.3	3.6	4.2	3	Male/Female or with Coupler	689
Eco Standard Duty (Red coloured marking)								
50	2"	60.0	60.3	3.7	4.1	3	Coupler	656
Standard Duty (Red coloured marking)								
25	1"	33.0	33.3	4.2	4.7	3	Male/Female or with Coupler	984
32	1¼"	42.0	42.3	4.1	4.6	2/3	Male/Female or with Coupler	886
32 (RE)	1¼"	42.0	42.3	3.7	4.0	3	Male/Female or with Coupler	886
40	1½"	48.0	48.3	4.1	4.6	3	Male/Female or with Coupler	886
50	2"	60.0	60.3	4.1	4.6	2/3	Coupler	754
65	2½"	75.0	75.3	4.2	4.8	3	Coupler	525
65 (RE)	2½"	75.0	75.3	4.0	4.3	3	Coupler	525
80	3"	88.0	88.3	5.0	5.6	3	Coupler	558
80 (RE)	3"	88.0	88.3	4.6	5.0	3	Coupler	558
100	4"	113.0	113.3	5.7	6.2	3	Coupler	492
100 (RE)	4"	113.0	113.3	5.3	5.8	3	Coupler	492
Super Standard Duty (Red coloured marking)								
65	2½"	75.0	75.3	5.5	6.1	3	Coupler	689
Heavy Duty (Green coloured marking)								
32	1¼"	42.0	42.3	5.2	5.8	3	Coupler	1148
32 (RE)	1¼"	42.0	42.3	4.7	5.0	3	Coupler	1148
40	1½"	48.0	48.3	5.9	6.5	3	Coupler	1148
40 (RE)	1½"	48.0	48.3	5.5	5.8	3	Coupler	1148
50	2"	60.0	60.3	5.4	6.0	3	Coupler	886
50 (RE)	2"	60.0	60.3	4.9	5.3	3	Coupler	886
65	2½"	75.0	75.3	6.4	7.1	3	Coupler	820
65 (RE)	2½"	75.0	75.3	6.0	6.3	3	Coupler	820
80	3"	88.0	88.3	7.3	8.0	3	Coupler	820
100	4"	113.0	113.4	9.4	10.2	3	Coupler	820
Super Heavy Duty (Green coloured marking)								
32	1¼"	42.0	42.3	6.0	6.5	3	Coupler	1476
40	1½"	48.0	48.3	6.2	6.6	3	Coupler	1378
40 (RE)	1½"	48.0	48.3	6.1	6.4	3	Coupler	1378
50	2"	60.0	60.3	6.5	7.2	3	Coupler	1148
50 (RE)	2"	60.0	60.3	6.0	6.3	3	Coupler	1148
80	3"	88.0	88.3	9.8	10.7	3	Coupler	1148

PE Column Pipes










We also offer PE pipes for lowering submersible pumps. As they are free of any joints, the installation becomes very easy and quick. These pipes are made as per IS:4984. The product details are given below:-

Coil specifications

Standard diameter (mm)	Pressure rating	Coil length (m)	Application
32	PN-6	300 and 500	Jet pumps
40	PN-4 and PN-6	200, 300 and 500	Jet pumps
50	PN-4 and PN-6	200 and 300	Submersible pumps
63	PN-4 and PN-6	100, 200 and 300	Submersible pumps
75	PN-4 and PN-6	100, 200 and 300	Submersible pumps
90	PN-4 and PN-6	100	Submersible pumps
110	PN-4 and PN-6	50	Submersible pumps



ACCESSORIES FOR BORE WELL APPLICATION

Item Code	Size in mm	Socket Type	Box qty.		Item Code	Size in mm	Socket Type	Box qty.		
FPCMCP003BL	80 (3")	FTxFT	40	 Coupler	FPCMFTA001BL	100 (4")	FT	20	 F.T.A.	
FPCMCP004BL	100 (4")	FTxFT	20		FPCMFTA001BL	150 (6")	FT	8		
FPCMCP005BL	125 (5")	FTxFT	15		FPCMFTA001BL	200 (8")	FT	6		
FPCMCP006BL	150 (6")	FTxFT	10		 End Cap	FPCMRED004BL	100x80 (4"x3")	FTxS	20	 Reducer
FPCMCP007BL	175 (7")	FTxFT	6			FPCMRED006BL	150x100 (6"x4")	FTxS	8	
FPCMCP008BL	200 (8")	FTxFT	4			FPCMRED009BL	200x100 (8"x4")	FTxS	4	
CM						FPCMRED008BL	200x100 (8"x6")	FTxS	4	
FPCMECP001LG	100 (4")	FT	20	 Bottom Cap		4100276	25 (1")	MTxMT	 Top and Bottom Adapter	
FPCMECP005BL	125 (5")	FT	15		4100278	32 (1¼")	MTxMT			
FPCMECP002LG	150 (6")	FT	10		4100277	40 (1½")	MTxMT			
FPCMECP010BL	175 (7")	FT	10		4100279	50 (2")	MTxMT			
FPCMECP009BL	200 (8")	FT	8	4100534	65 (2½")	MTxMT				
	*40 (1½")	FT		4100535	80 (3")	MTxMT				
	*50 (2")	FT		1602081	25 (1")	MT	 Pump Guard			
	*100 (4")	FT		1602082	32 (1¼")	MT				
CM				1602083	40 (1½")	MT				
FPCMMA005BL	100 (4")	MxF			65 (2½")	MT				
FPCMMA006BL	150 (6")	MxF		4100545	80 (3")	MT				
				4100546	100 (4")	MT				
FPCMMA004BL	100 (4")	MT		 M.T.A.	4100333	25 (1")	FT	 Loop Bail Clamp		
FPCMMA001BL	150 (6")	MT	8			32 (1¼")	FT			
FPCMMA003BL	175 (7")	MT	6			40 (1½")	FT			
FPCMMA002BL	200 (8")	MT				50 (2")	FT			
						65 (2½")	FT			
				4100541	100 (4")	FT				

Required transition adapters in difference sizes for easy fitting to threaded pipes, reducing adapter and lifting caps are available upon demand. Ends are provided with fine threads as per IS:554 where as other ends are square threads as per IS:12818. FT - Female threaded, MT - Male threaded. *Marked products will be shortly introduced.

THE SYSTEM

Supreme underground drainage and sewerage system has been designed with a view to modern man's inclination towards health, hygiene and his aversion to filth and pollutants. Due to unpleasant nature of human waste, a drainage system should be "out of sight and out of mind". Most of the drainage systems are actually hidden from sight. It is hence important that it should be of good quality and should be able to function year after year without leakage or defects. It becomes unpleasant and expensive to address such problem that arise in conventional underground products. Such problems may happen due to poor product quality or due to faulty construction and outdated technology.

Supreme Nu-Drain is intended to carry soil and waste from building to roadside sewers or drains and from there to treatment plant or disposal point. This system offers multiple advantages over traditional drainage products for all sorts of drainage and sewerage applications and installations. Nu-Drain is highly recommended for buildings where hygiene is a prerequisite such as hospitals, hotels etc. This can also be used for rainwater collection and disposal, including rainwater harvesting. Thus, Nu-Drain is a complete solution for underground drainage and sewerage application. Being 100% watertight, it is free from ingress and seepage of water and is considered to be the most hygienic of all systems. Unlike conventional drainage products, it is free from pollution of underground water, soil or ill effects on building foundations. In this fast age, this product emerged as blessing to housing and construction sector. Due to tremendous saving in time and labour, installation of this system is quite simple and fast. The choice of the raw material, the structural accuracy and the strict quality control imparts high degree of reliability. As a result Nu-Drain is now approved by MCGM and emerged as a superior substitute to conventional products.

Products	Std. specification	Sizes available
Inspection Chambers	EN:13598	Ultra 250 to 600mm
Manholes	EN:13598	Ultra 1000/1200mm
Septic Tank	EN:12566	1000 to 29,500 ltrs
uPVC solid wall pipes	IS:15328-2003	110 to 400mm
Eco-drain pipes	IS:16098	110 to 400mm
Foam Core pipes	IS:16098	110mm
DWC pipe	IS:16098	75 to 800mm
PE pipe	IS:14333	63 to 800mm

FEATURES AND BENEFITS

Great flexibility - Due to availability of readymade inspection chambers and manholes along with long lengths of lighter weight pipes and different components, installation of this system is very convenient and fast.

Perfect hydraulic properties - Mirror smooth inside surface of the pipes and streamline design of the chambers and manholes greatly reduce the possibility of blockage and maximize flow characteristics. As a result, carrying capacity of these pipes can be increased by 40% over concrete pipes.

Great strength - Products are sufficiently durable to meet site-loading requirements.

100% watertight system - Pipe, riser or the shaft connection with the chamber base is absolutely watertight and unique design of pipe joints with click ring and sealing ring makes the system completely leak proof.

Hygienic and safe - Trouble free performance of the joints without blockages and leakages ensure high standards of hygiene.

Minimum excavation cost - Because of simple jointing technique, trench width can be kept to a minimum and smoother bore of the pipe allows high flow rates at relatively flatter gradients.

Different flow profile designs - Inspection chambers are available in different flow profiles/configurations of inlet(s) and outlet in different sizes to suit the site requirements. Inlets that are not needed can be closed with the help of blanking plugs.

Minimal maintenance - Optimum functional qualities and good hydraulic properties play an important part in reducing the need for jetting and other forms of maintenance and therefore operational costs are considerably reduced.

Longer life and overall economy - It is free from problems like corrosion and susceptibility to chemical reactions and strong enough to carry soil and traffic loads. Nu-Drain is sufficiently durable, offers long and trouble free service life.

Components of Nu-Drain UDS system

Inspection Chambers- Following different sizes of Ultra Inspection Chambers and manholes along with cover solution are available in the range:-

1. Ultra 250 with or without trap provision and 110mm inlet(s) and outlet. (Size of the trap is 75mm)
2. Ultra 315 in seven different flow configurations and multiple inlet configuration with 110mm inlet(s) and outlet.
3. Ultra 355 in five different configurations with 160mm inlet(s)/outlet and with 160/110mm in three different configurations inlet(s)/outlet, besides multiple inlet(s) with 110mm size branch inlets and 160mm main inlets/outlet.
4. Ultra 450 multiple inlet(s) with 110mm branch inlets and two 160mm inlets at 90° with 160mm main inlet/outlet and Ultra 450mm chamber in five different flow configurations.
5. Ultra 600 with 200 and 250mm inlet(s) and outlet in six different configurations.

6. Ultra 1000 manhole with 250, 315mm inlet(s) and outlet in different configurations (Three piece design).
 7. Ultra 1000 manhole with 250, 315mm size inlet and 315mm size outlet in single piece design.
 8. Ultra 1200 manhole with 315mm inlet/outlet in seven different configurations and Ultra1200 manhole with 400/450mm straight through configuration.
 9. Ultra 1200 manhole in six different flow profiles having 315mm size inlet and outlet in single piece design.
- Note: Eccentric reducers in different sizes are also available to convert inlet(s)/outlet to required smaller size.

Ultra 250

This unique inspection chamber of 250x110mm in uPVC is featured with provision of 75mm trap. One can, therefore, directly combine soil and waste lines to reduce the cost. This is also available without trap and hence customer has choice to use this chamber as per site requirements. This small version of inspection chamber is recommended for small bungalows/ houses where maximum invert depth is up to 600mm.



Ultra 315, Ultra 355 and Ultra 450

Ultra inspection chambers in these sizes comprise chamber base, riser(s)/shaft in specially developed Polypropylene/PE grade. Covers and frame are made in composite material, PE and GRP. Entire assembly provides a completely sealed system up to ground level. It offers a wide variety of flow profiles, giving you an option for all drainage applications between 110 to 200mm sizes. The choice of the different configurations provides a comprehensive, level invert system with excellent flow characteristics. The required invert depth can be obtained by using multiple risers or suitable length of shaft.



Ultra 315 inspection chamber is designed to collect 110mm drains at invert depth up to 625mm by using risers (max 2 risers) whereas Ultra 355 inspection chamber is designed to collect 160/110mm drains at invert depths up to 690mm by using shaft/riser.

Ultra 450 inspection chamber is designed to provide the method of collecting 110/160/200mm drains at invert depth up to 1280mm by using risers (max 5 risers) and 1295mm by using shaft. Concentric grooves are given on the exterior face of the riser which acts as cutting guides and shallower depths can be achieved by cutting the riser. Shaft should be cut on the top of corrugation for proper placement of the sealing ring.



Ultra 600

The Ultra 600 inspection chamber consists of the base, corrugated shaft and adjustable telescopic adapter which provide proper seating base for GRP/SFRC ring and cover. Use of telescopic adapter is not mandatory. The Ultra 600 base with 250mm inlet(s)/outlet is available in 6 different flow configurations. All flow configurations are provided with specially designed swivel adapter which allows a free angular deflection of 7.5° from the center line in each direction. This flexibility makes it possible to directly adjust the pipe connection in the trench.



This robust chamber is suitable for installation depths from 0.8 to 5m. The shaft provides excellent resistance to ground movement and heavy traffic loads. Ultra 600 is suitable for 250mm pipes and eccentric reducers are available to connect 160 and 200mm pipes. Simple and reliable "in-situ" connections can be easily made in the shaft to create additional connections.

In addition to 600x250mm size inspection chamber, recently we have introduced inspection chamber in 600x200mm and 600x315mm sizes. This is available in four different configurations and is offered with and without integral shaft. This avoids the use of eccentric reducers while using 200mm size to further reduce the cost to the consumer. This strong and sturdy product is superior and helpful in many ways.

In-situ adapter

Besides Inlet(s) of selected flow profile of the chambers base, additional connections is available through shaft or cone at different heights or angles using specially designed in-situ adapters. These adaptors are available in 75, 110, 160 and 200mm sizes which can be used for assessing any line even in post installation condition.



Rodding Eye

Access for inspection, cleaning and maintenance of underground drainage system is very important and normally achieved through inspection chambers and manhole. But most of the time we come across the situation where use of inspection chamber is either difficult or impossible due to site constraints, proximity of other adjacent chambers. Under such circumstances we can eliminate the use of chamber by replacing it with rodding eye. Thus rodding eye is an access fitting which allow rodding in case of blockage. Given picture explains its application and installation.

Cover Solution

Heavy weight frame and covers in composite material for Ultra 315 and Ultra 450 are designed to tilt and rotate to suit site conditions. These covers are designed for 3.5 MT wheel load and are suitable for light traffic movements. These covers are provided with 4 screw holes suitable for self-tapping. For internal use, sealed covers are also available. In addition to this, light duty (LW) covers are also made available for Ultra 250, Ultra 315, Ultra 355 and Ultra 450. These light weight covers are suitable for pedestrian areas where traffic load is not expected. For heavy traffic conditions, GRP/SFRC frame and covers are also made available for Ultra 450 and Ultra 600 inspection chambers. Besides plain cover, covers with gratings are also made available.

Backflow prevention valve

A backflow prevention valve is a one-way valve that is installed on a building's lateral sewer. A properly installed and maintained back flow prevention valve will prevent the sewer from backing up and flooding a building.

Most of the properties are connected to public sewers. Many of these properties are situated and connected to the sewers in such a way that an obstruction in the public sewer or a severe rain event will not cause sewage backup into the properties.

Function of back flow prevention valve: A back flow prevention valve has an internal mechanical disc (flap) that will close a sewer pipe opening when reverse surcharges from a public/private sewer system attempt to enter a building drainage system, preventing the flooding of a building with raw sewage.

Application: 1) Properties built with the lowest floor containing plumbing fixtures (bathtub, shower, floor drain, etc.) below the upper manhole of the public sewer. 2) Properties in flood prone areas. 3) Properties with a history of backups during heavy rains.



Yard gully



Yard gully is a part of storm water collection system, it is used to collect rain water/surface water from the open area and discharge it by separation of sand, silt and solid wastes in the runoff. Thus Yard gully is used to separate out solids in the surface water before discharging it to storm water main, which can then be cleaned periodically. This design has unique features like partition separating collection pit and discharge section. It is provided with 160 and 110mm outlet which can be used as per site requirements. As this Yard Gully is provided with adequate water seal, it can also be used for waste water collection especially when it contains large quantity of solid particles.

Surface Drain Channel

Supreme offers Surface Drain Channels in 4" (110mm) size and is made from highly durable and chemical resistant polypropylene material. They are free from blockage, leakage and breakage problems caused by traditional surface drain channel. Supreme Surface Drain Channels are available in 1m length and can be cut as per site requirement up to 0.5m. These channels are tough, durable and sustains loads up to 1.5 MT wheel load and suitable for parking areas.

Application: This Surface Drain Channels are installed in pavements, roadside curbs, cycle ways and car park area, shopping malls, sports grounds, building terrace, corporate houses, hotels, hospitals, academic institutes etc.

Pipe connections: Each surface drain channel is provided with bottom and side connections for connecting drain pipes.



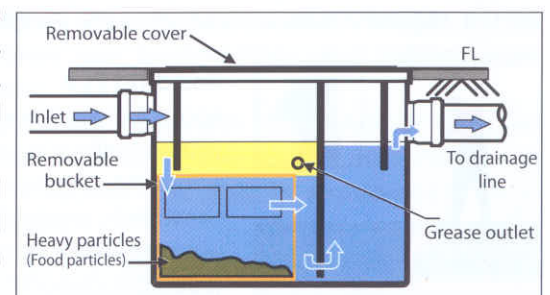
Grease traps



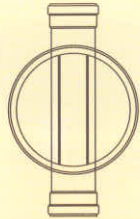

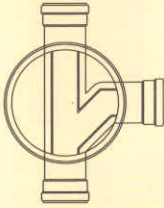
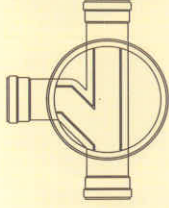
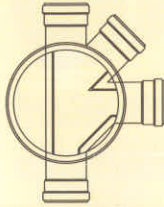
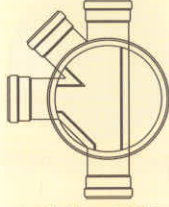


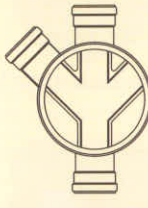
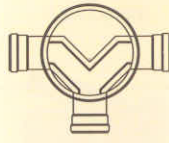


A grease trap is a device designed and installed to separate out, retain and remove grease and similar substances from waste water which are deleterious, hazardous and undesirable. These traps prevent greasy substances from entering plumbing systems, septic fields and waste water treatment facilities, where they are difficult to process and can create environmental problems. If large amounts of grease, soaps and oils enter a sewer system, the materials will coagulate, solidify and adhere to the inside wall of the pipe,

eventually blocking the pipe. We recently introduced 50, 100, 250, 500, 750 and 1000ltrs capacity grease traps.

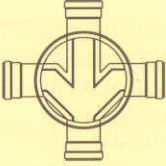

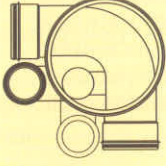

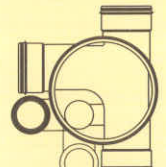

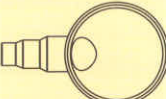



Application: Restaurants, hotels, cafeterias, dairies, slaughter-houses and commercial food-processing plants, hospitals and institutional or commercial buildings where food is served in great quantity may produce grease in sufficient amounts to warrant the installation of such grease traps.



Inspection Chambers and Accessories


















Item Code	Chamber Base	D1	D2	D3		Item Code	Chamber Base	D1	D2	D3	
NP3UCUBS315G	315	110	110		 <p>Straight Through</p>	NP3UCUBL315G	315	110	110	 <p>Left or Right Hand 90° Bend</p>	
NP3UCBST355G	355	160	160			RLUCHM0355GB	355	160	160		
NP3UCBST450K	450	200	200			RLUCHM0451BK	450	200	200		
RLUCHM0607BK	600	200	200			RLUCHM0606BK	600	200	200		
RLUCHM0600BK	600	250	250			RLUCHM0601BK	600	250	250		
RLUCHM0614BK	600	315	315								
						250mm chamber is also available with trap					
NP3UCBRH315G	315	110	110		 <p>Right Hand 90° Junction</p>	NP3UCBLH315G	315	110	110	 <p>Left Hand 90° Junction</p>	
NP3UCBRH355G	355	160	160			NP3UCBLH355G	355	160	160		
NP3UCBRH450K	450	200	160			NP3UCBLH450K	450	200	160		
RLUCHM0608BK	600	200	200			RLUCHM0609BK	600	200	200		
RLUCHM0603BK	600	250	250			RLUCHM0604BK	600	250	250		
NP3UCBHR315G	315	110	110	110	 <p>Right Hand 45° and 90° Junction</p>	NP3UCBHL315G	315	110	110	110	 <p>Left Hand 45° and 90° Junction</p>
RLUCHM0457BK	450	200	160		 <p>RH & LH 45° Junction</p>	RLUCHM0455BK	450	200	160		 <p>Right Hand 45° Junction</p>
RLUCHM0456BK	450	200	160		 <p>Left Hand 45° Junction</p>	NP3UCBTI315G	315	110	110		 <p>Two 90° Inlet Junction</p>
NP3UCBMI315G	315	110	110	110	 <p>Multiple inlets</p>	RLUCHM0602BK	600	250	250	 <p>Right / Left Hand 45° Bend</p>	
NP3UCBMI355G	355	160	110	110							
NP3UCBMI450B	450	160	160	110							
<p>(Ultra 315 with 110mm two swept inlets at 45° and two 110mm inlets at 90°. Ultra 355 with 110mm two swept inlets at 45° and two 110mm inlets at 90°. Ultra 450 with 110mm two swept inlets at 45° and two 160mm inlets at 90°.)</p>											

All the inlets and outlets of the chambers are provided with click ring type joints. D1 = Main inlet/outlet, D2/D3 = Branch inlet(s), F - Fabricated.
















Item Code	Chamber Base	D1	D2	D3		Item Code	Chamber Base	D1	D2	D3						
NP3UCBTI355G	355	160	160		 <p>Left & Right Hand 90° Junction (Cross)</p>	RLUCHM0619BK (700mm long)	600	200	200	 <p>Ultra 600 with Integral Shaft & Bend</p>						
NP3UCBTX450K	450	200	160	RLUCHM0618BK (1300mm long)		600	200	200								
RLUCHM0610BK	600	200	200													
RLUCHM0605BK	600	250	250													
NP1UCUBL251G	250 w/o trap	110	110		 <p>Left Hand or Right Hand 90° Bend (with or w/o Trap)</p>	MP3UCHRW315G	315	200mm long	 <p>Riser</p>							
FPU0UGR252GB	250 with trap	110	110	MP3UCHRW355G		355	335mm long	MP3UCHRI450K (with rubber seal)		450	215mm long					
NP1UCUBL250G	250 w/o trap	110	110		 <p>Left Hand or Right Hand 90° Junction (with or w/o Trap)</p>	RLUSHP0600GB	600mm long	 <p>Shaft Pipe Ultra 600</p>								
FPU0UGR253GB	250 with trap	110	110	RLUSHP0601GB		900mm long	RLUSHP0602GB		1200mm long	RLUSHP0603GB	1500mm long	RLUSHP0604GB	1800mm long	RLUSHP0605GB	2100mm long	RLUSHP0606GB
				RLUSHWA614GB	780mm long	RLUSHWA615GB	1080mm long		RLUSHWA616GB	1380mm long	RLUSHWA617GB	1680mm long	RLUSHWA618GB	1980mm long	(with rubber seal)	
RLUBB00600BK	600	160/200/250			 <p>Ultra 600 Blind Base</p>	FPU0UGR250GB	Ultra 250 - 320mm (1½ ft invert depth)	 <p>Shaft pipe</p>								
				FPU0UGR251GB		Ultra 250 - 470mm (2 ft invert depth)										
RLUCHM0612BK (600mm long)	600	200	200	 <p>Ultra 600 with Integral Shaft</p>	RLUSHP0356GB	Ultra 355 - 200mm	 <p>Shaft pipe</p>									
RLUCHM0611BK (1200mm long)	600	200	200		RLUSHP0355GB	Ultra 355 - 460mm		RLUSHP0450BK	Ultra 450 - 460mm							
RLUCHM0617BK (600mm long)	600	250	250		RLUSHP0451BK	Ultra 450 - 710mm		RLUSHP0452BK	Ultra 450 - 1020mm							
RLUCHM0616BK (1200mm long)	600	250	250													
RLUCHM0614BK (600mm long)	600	315	315		RLUSHP0453BK	Ultra 450 shaft with 110mm and 160mm branch										
RLUCHM0615BK (1200mm long)	600	315	315													

All the inlets and outlets of the chambers are provided with click ring type joints. D1 = Main inlet/outlet, D2/D3 = Branch inlet(s), F - Fabricated.

Nu-Drain Fittings and Accessories


Item Code	Size mm	Socket Type	Box qty.		Item Code	Size mm	Socket Type	Box qty.	
RLUDWC0450BK	450x400	RxS		 Shaft Adapter (for DWC Pipe)	NP6UCFRL315K 4100505	315 - 1.5 Ton 355 - 3.5 Ton (Round type)		9 5	
RLUSHP0614GB RLUSHP0615GB RLUSHP0616GB RLUSHP0617GB RLUSHP0618GB RLUSHP0619GB (with rubber seal)	780mm long 1080mm long 1380mm long 1680mm long 1980mm long 2280mm long			 Shaft pipe with socket Ultra 600		*450 - 10 Ton (Round type)			
						*600x450 - 5 Ton (Rectangle type)			
					NP6UCOFR315K NP6UCOFR450K	315 - 3.5 Ton 450 - 3.5 Ton (Square type)		2 2	 Composite Frame and Cover
RLUSHC0600BK	600mm			 Shaft Connector	4100314 4100312 4100313 4100315 4100316	450 - 2.5 Ton 450 - 10 Ton 600 - 10 Ton 600 - 20 Ton 600 - 40 Ton			 GRP Frame & Cover
RLUTSA0600BK (with rubber seal)	600	Spg		 Telescopic Adapter	4100318 4100317 4100319	450 - 2.5 Ton 450 - 10 Ton 600 - 20 Ton			 GRP Frame & Cover (with Grating)
FPU0PGR250LG FPU0PGR660LG FPU0PGR661LG	250 315 450	Spg Spg Spg		 Frame & Grating Cover	4100415 4100416	450 - 20 Ton 600 - 20 Ton			 SFRC Frame and Cover
NP1UCOFR250K RLUUCLO450BK	250 L.W. 450 L.W.		10 L	 Frame and Cover	4100414 4100413	450 - 40 Ton 600 - 40 Ton			(Covers with grating)
4100540	300x300 - 2.5 Ton			 Gully Top Cover	RLUMST0110GB RLUMST0160GB RLUMST0160BK	110x110 (Long) 160x110 (Long) 160x110 (Short)	RxR RxR RxR		 Master Trap
4100630	300x300 - 2.5 Ton			 Gully Top Cover with Grating	NU1URPBV160G	160	RxSpg	1	 Backflow Prevention Valve

All the inlets and outlets of the chambers are provided with click ring type joints. F - Fabricated. * Marked products will be shortly introduced.

Item Code	Size mm	Socket Type	Box qty.		Item Code	Size mm	Socket Type	Box qty.		
RLUSHP0621GB	600x160x160	RxR		 Master Trap with integrated chamber	MP1URPCP160G (Fix 'O' Ring)	160	RxR	18	 Coupler	
					NP1UCRCP110G	110	CRxCR	36		
					NP1UCRCP200G	200	CRxCR	4		
					NP1UCRCP250G	250	CRxCR	2		
					RLUCPL0400BK	400	RxR	L		
					RLUCPL0450BK	450	RxR	L		
NP1UPTGT110G	110	Spg	6	 Square Gully Trap	MP1URPBE160G (Fix 'O' Ring)	160	RxSpg	7	 Bend 87.5°	
Note: Provided with detachable partition					NP1UCRBE110G	110	CRxSpg	24		
NP1SPTSG110G	110	Spg	6	 Square Gully Trap (IP)	NP1SCRSB111G	110	CRxCR	10	 Swept Bend Long Radius	
					NP1UCRSB110G	110	CRxSpg	10		
NP1EPBGT101G	150x100 (6x4")	Spg	6	 Bottle Gully Trap	MP1SRPBF160L (Fix 'O' Ring)	160	RxSpg	10	 Bend 45°	
NP1UPTBG201G	200x160 (8x6")	Spg	2			NP1UCRBF111G	110	CRxCR		24
					NP1UCRBF110G	110	CRxSpg	24		
					RLUSBNO250BK	250	RxSpg	L		
					RLUSBNO315BK	315	RxSpg	L		
NP1EPBGT102G	150x100x100 (6x4x4")	SxSpg	6	 Bottle Gully Trap	NP1UCRTS111G	110	CRxCRxCR	12	 Swept Tee	
NP1UPTBG200G	200x160x160 (8x6x6")	SxSpg	2			NP1UCRTS110G	110	CRxCRxSpg		12
						160	CRxCRxSpg	4		
MP1ESBGE101G	189x280	S	3	 Gully Extension					 Equal Tee	
Note: Suitable for 6x4" and 6x4x4" Bottle gully trap.					MP1URPST160G (Fix 'O' Ring)	160	RxRxSpg	5		
FPU0ISA075GB	75	Spg		 Insitu Adapter	NP1UCRST110G	110	CRxCRxSpg	16		
FPU0ISA111GB	110	Spg								
FPU0ISA161GB	160	Spg								
FPU0ISA200GB	200	Spg								
Note: Can be used for accessing any line at any height or angle other than the inlets of available or selected configuration of the chamber.										 Reducing Tee
FPU0LPC160LG	160x110	SpgxS			MP1URPRT160G (Fix 'O' Ring)	160x110	RxRxSpg	6		
FPU0LPC200LG	200x110	SpgxS								
	*250x110	SpgxS		 Lateral Pipe Connector						
	*315x110	SpgxS								

All the inlets and outlets of the chambers are provided with click ring type joints.

Item Code	Size mm	Socket Type	Box qty.		Item Code	Size mm	Socket Type	Box qty.	
NP1UCRYS110G NP1UCRYS160G	110 160	CRxCRxSpg CRxCRxSpg	12 4	 Single Y	FPU0RCA202LG FPU0RCA250LG FPU0RCA315LG	200x8" 250x10" 315x12"	RxSpg RxSpg RxSpg		 RCC Pipe Adapter
MP1URPRY160G (Fix 'O' Ring)	160x110	RxRxSpg	5	 Reducing Y	4100327 4100328 4100329 4100330	75 110 160 200			 Hole Saw
MP1URPRD160G (Fix 'O' Ring) NP1UCRER200G RLUECR0251GB RLUECR0250GB RLUECR0316GB RLUECR0315GB	160x110 200x160 250x160 250x200 315x200 315x250	SpgxR SpgxCR SpgxR SpgxR SpgxR SpgxR	24 4 L L L L	 Eccentric Reducer	RLUYGT0110BK RLUYGT0160BK	110 160	Spg Spg		 Yard Gully Trap
NP2URDEY110D	110	Spg	6	 Rodding Eye	NP3UPTSD110B	110 (4x4")		1	 Surface Drain Channel
MP3UCBPC075D MP3UCBPC110D MP3UCBPC160D	75 110 160	Spg Spg Spg	75 40 42	 Blanking Plug	MP1UPHCO110B	110	Spg	25	 Surface Drain Outlet
FPU0SPA110GB FPU0SPA160GB	110x4" 160x6"	RxSpg RxSpg		 Stoneware Pipe Adapter for Plain end (rubber ring type)	MP1UPHEC110B	110	Spg	25	 Surface Drain End Cap

Item Code	Size (ltrs)	Total height	Inlet invert	Outlet invert	Total length	Inlet/Outlet size	Socket type	Outer diameter	Length x Width	Suitable for Above ground	Suitable for Below ground	
RLUGTP0050GB	50	440	307.5	273.5	646	75	RxR		530 x 380	Yes	Yes	 Grease Trap
RLUGTP0100GB	100	491	317.5	267.5	870	75	RxR		742 x 584	Yes	Yes	
RLUGTP0250GB	250	690	480	430	1060	110	RxR		884 x 706	Yes	Yes	
RLUGTP0500GB	500	765	550	500	1341	110	RxR		1150 x 939	No	Yes	
RLUGTP0750GB	750	910	705	665	1321	110	RxR	1372		No	Yes	
RLUGTP1000GB (with Cover)	1000	1145	850	800	1773	110/160	RxR		1620 x 1260	No	Yes	

(all dimensions are in mm)

Ultra 1000 & Ultra 1200 Manholes

THE SYSTEM

Access to a sewer system for inspection, cleaning or maintenance is obtained either through an inspection chamber or a manhole. However unlike in conventional drainage system, the requirement of entry of man in advanced plastic drainage/sewer system comprising readymade chamber or manhole is almost eliminated. In most cases modern technology CCTV inspection cameras for inspection and jet cleaners for cleaning are available.

Most of the sewer maintenance requirements are fulfilled through Ultra 600, however where man entry is a must, Supreme has now introduced Ultra 1000 and Ultra 1200 manholes. This readymade, ready to use manholes offered by the Company consists of a base, a shaft and a cone with suitable cover. In addition to this three piece design, a single piece design is also offered. This robust manhole is designed, manufactured and tested as per EN:13598 standards. It is now approved by MCGM.

Fields of applications: Ultra 1000 and Ultra 1200 manholes are designed to provide easy access for inspection, cleaning and maintenance of private and public sewers up to 6m invert depth. Complete solution with a robust design, durability and flexibility makes it suitable for any situation and is excellent substitute for conventional concrete and masonry manhole.

Product range: Ultra manhole is designed in three components, viz., base, shaft and a cone. Ultra 1000 and Ultra 1200 Manholes (1m and 1.2m inside diameter respectively) are available in straight through and three inlet flow profiles. These configurations in 1m size are offered in 7 different flow profiles by closing unwanted inlets using blanking plugs whereas in closed end form in 1.2m size. Ultra 1000



manhole base is provided with 315mm and 250mm inlet(s) and outlet whereas Ultra 1200 is offered with 315mm size inlet(s)/outlet. Smaller size of pipes can be connected using eccentric reducers to the manhole. Ultra 1200 Straight through profile with 400mm and 450mm inlet and outlet is offered to meet large sized sewer requirements. Shaft are supplied in different lengths, which can be cut on site or can be placed one above the other as per the site requirements. The complete set of manhole with an inbuilt ladder and an advance design of shaft and cone with spacious 640mm entrance is strong and stable enough to withstand heavy traffic loads and is suitable up to 6m depth.

FEATURES AND BENEFITS

Completely made of plastic - ready to use, spacious (1m and 1.2m diameter) with 600/640mm entrance.

90% lighter than concrete manholes - makes them easy to handle and allows simple and quick installation.

Robust design - which can withstand heavy traffic loads up to 40 tons wheel load.

100% water tight structure - free from infiltration and exfiltration.

Smooth internal surface, less slime build-up, minimizing the risk of blockage.

Suitable for installation depths up to 6m.

Safe against floatation.

Flat bottom for easy and levelled installation.

Provided with inbuilt ladder to facilitate easy maintenance and cleaning.

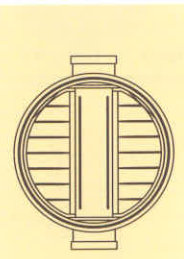
Adjustable height to suit site requirement during installation.

Simple and reliable pipe connections at different levels are possible using 'in-situ' adapters.

Strong and durable - can last for more than 50 years.

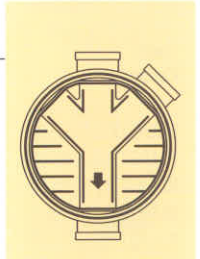
Eco-friendly and Cost effective.

Item Code	Chamber Base	D1	D2	D3
RLUMHL1000BK	1000	250	250	
RLUMHL1002BK	1000	315	315	
RLUMHL1200BK	1200	315	315	



Straight Through

Item Code	Chamber Base	D1	D2	D3
RLUMHL1005BK	1000	315	250	
RLUMHL1202BK	1200	315	315	

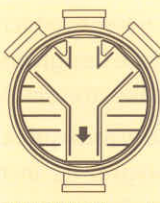


RH 45° Junction

All the inlets and outlets of the chambers are provided with clicking type joints. D1 = Main inlet/outlet, D2/D3 = Branch inlet(s), F - Fabricated. # - This product is available with integral shaft with 1000mm length.

Item Code	Chamber Base	D1	D2	D3
RLUMHL1001BK	#1000	315	250	250
RLUMHL1201BK	1200	315	315	315

Note: # In 1000mm size this base is also made available with integral shaft of 800 and 1100mm lengths with 1355 and 1655mm invert depths.



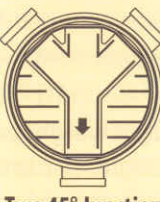
LH & RH 45° Junction

Item Code	Chamber Base	D1	D2	D3
RLUMHL1004BK	1000	315	250	
RLUMHL1203BK	1200	315	315	



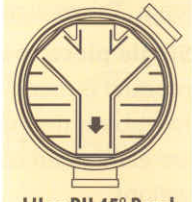
LH 45° Junction

RLUMHL1006BK	1000	315	250	250
RLUMHL1204BK	1200	315	315	315



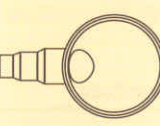
Two 45° Junction

RLUMHL1003BK (RH)	1000	315	250	
RLUMHL1007BK (LH)	1000	315	250	
RLUMHL1205BK (RH)	1200	315	315	
RLUMHL1206BK (LH)	1200	315	315	



LH or RH 45° Bend

RLUBB01000BK	1000	200/250/315		
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Ultra 1000 Blind Base

RLUBB01109BK	1000x600	200/250/315		
RLUBLI1002BK	1000x1500	200/250/315		
RLUBLI1001BK	1000x1800	200/250/315		



Ultra 1000 Single Piece Blind Base with Shaft

Item Code	Size mm	Socket Type
RLUSHP1000BK	600mm long	
RLUSHP1001BK	800mm long	
RLUSHP1002BK	1000mm long	
RLUSHP1003BK	1100mm long	
RLUSHP1004BK	1300mm long	



Shaft pipe Ultra 1000 Manhole

Item Code	Size mm	Socket Type
RLUCCE0600BK	600x300	



Cone Extension Piece

RLUSHP1205BK	500mm long	
RLUSHP1204BK	600mm long	
RLUSHP1203BK	700mm long	
RLUSHP1202BK	800mm long	
RLUSHP1201BK	900mm long	
	1000mm long	
	1100mm long	
RLUSHP1200BK	1200mm long	



Shaft pipe Ultra 1200 Manhole

RLUCFC0600BK	1000/600L.W.	
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Cover

4100315	1000/1200 (20 Ton)	
4100316	1000/1200 (40 Ton)	



GRP Frame & Cover

Note: Covers with grating are also available

RLUCON1000BK	1000 x 600	S
RLUCON1200BK	1200 x 600	S



Cone for Manhole

4100416	1000/1200	
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SFRC Frame & Cover

Note: Covers with grating are also available

All the inlets and outlets of the chambers are provided with clicking type joints. D1 = Main inlet/outlet, D2/D3 = Branch inlet(s), F - Fabricated.

Single Piece Manhole

In most of the projects, the invert depth of manhole is normally below 3m. For such applications, the use of a three piece manhole may not be cost effective. Considering this fact our design team has come out with the light weight yet strong manhole in single piece design in 1m and 1.2m size. Like our existing 3 piece design manholes, this uniquely designed cost effective product is strong enough to withstand all sorts of loads. This new design offers following additional benefits: -

Single piece cost effective design - This uniquely designed product is made available in single piece and hence the need for rubber ring used for connections of base, shaft and cone are eliminated resulting in substantial saving in total product weight.

Smaller size cover - In three piece design, size of the opening

is 640mm which is now reduced to 600mm in Ultra1000 single piece design and hence additional saving on account of cover makes this single piece manhole even more cost effective.

Easy and quick installation - Being in single piece and light in weight, its installation becomes convenient and fast. This single piece manhole in 1m size is made available in different depths ranging from 1.2 to 3.3m invert depths with a difference of 0.3m and hence it can be selected as per the site requirement. Similarly 1.2m size manhole is offered in 1.3 to 3.52m invert depths.

Light weight yet strong and sturdy - In spite of being light in weight, this uniquely designed product is strong and sturdy enough to handle all sorts of soil and traffic loads that it may encounter during and after installation.

Item Code	Size mm
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Ultra 1000 x 315 x 315

RLUMSS1000BK	1200mm long
RLUMSS1001BK	1500mm long
RLUMSS1002BK	1800mm long
RLUMSS1003BK	2100mm long
RLUMSS1004BK	2400mm long
RLUMSS1005BK	2700mm long
RLUMSS1006BK	3000mm long
RLUMSS1007BK	3300 mm long

Ultra 1200 x 315 x 315

	1100mm long
RLUMSS1201BK	1300mm long
RLUMSS1202BK	1750mm long



Item Code	Size mm
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Ultra 1000 x 315 x 250

RLUMMS1000BK	1300mm long
RLUMMS1002BK	1600mm long
RLUMMS1003BK	1900mm long
RLUMMS1004BK	2200mm long
RLUMMS1005BK	2500mm long
RLUMMS1006BK	2800mm long
RLUMMS1007BK	3100mm long
RLUMMS1008BK	3400mm long

Ultra 1200 x 315 x 315

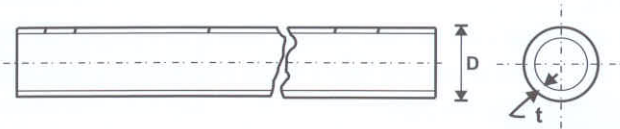
	1100mm long
RLUMSS1204BK	1300mm long
RLUMSS1205BK	1750mm long



Nu-Drain uPVC Pipes



Nu-Drain pipes are made as per IS:15328 and marked with ISI mark. These pipes are available in different stiffness classes as given in the table below. In addition to the pipes in 110mm to 315mm sizes with rubber ring type sockets, pipes up to 200mm sizes are available with solvent weld type socket ends. Plain ended pipes upto 250mm are supplied with a separate couplers having unique click ring and rubber-seal design. Only 400mm size pipes are supplied with plain end and solvent weld type couplers. The pipes are available in 3m and 6m lengths.



Dimensions and stiffness class of U-Drain Pipes as per IS:15328

Nominal ring stiffness (KN/m ²)	SN 2	SN 4	SN 8
SDR	51	41	34
OD (D) in mm	Wall thickness (t) in mm		
110	-	-	3.2 + 0.5
125	-	3.2 + 0.5	3.2 + 0.7
160	3.2 + 0.5	4.0 + 0.6	4.7 + 0.7
200	3.9 + 0.6	4.9 + 0.7	5.9 + 0.8
250	4.9 + 0.7	6.2 + 0.8	7.3 + 1.0
315	6.2 + 0.8	7.7 + 1.0	9.2 + 1.2
400	7.9 + 1.0	9.8 + 1.2	11.7 + 1.4

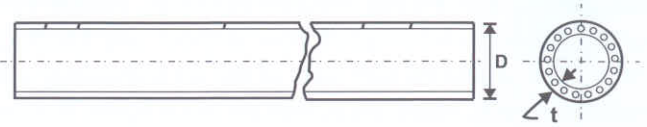
ECO-drain®

Hi-tech pipes for drainage and sewerage application



Eco-drain® pipes are not solid wall pipes but have a unique wall structure i.e. pipes with a number of "holes" in the wall thickness in longitudinal direction. As a result, the Eco-drain® pipes are noticeably lighter and less expensive than any

existing PVC pipe of similar stiffness and many times lighter than a concrete pipe with equivalent load carrying capacity. Because of the numerous advantages, these pipes are widely accepted and used in several European countries. Pipes upto 400mm sizes are available with plain ends as well as socketed ends with elastomeric rubber rings. These pipes have a equivalent stiffness and flexibility alike solid wall plastic pipes and also conforms to international standards. Depending on the size these pipes offers a weight reduction from 10% to 35% in comparison with the solid wall pipes of similar stiffness class.



Dimensions and stiffness class of Eco-drain® Pipes as per IS:16098 (Part 1)

Pipe size OD (D) in mm	Pipe ring stiffness (KN/m ²)					
	SN 2		SN 4		SN 8	
	Wall thickness (t) in mm					
	Min	Max	Min	Max	Min	Max
110	--	--	--	--	3.50	4.10
160	--	--	4.30	4.90	5.10	5.90
200	--	--	5.60	6.50	6.30	7.20
250	--	--	6.50	7.50	7.90	9.10
315	6.60	7.60	8.00	9.20	9.80	11.30
400	8.50	9.80	10.60	12.20	12.00	13.80

Foam core pipes



In addition to the solid wall pipes and Eco-drain® structure wall pipes, we have recently introduced foam core pipe in 110mm size. This pipe is supplied with socketed ends.

Supreme Ultra PLUS Double Wall Corrugated Pipes

THE SYSTEM

Supreme Ultra plus double wall corrugated pipes are more strong than solid wall pipes of the same wall thickness and have a unique wall structure with corrugated structure externally and smooth surface internally. This specific structure gives the pipes a unique combination of stiffness and flexibility to sustain soil and traffic loads that the pipe may encounter in service while in buried condition. Smooth inner surface allows uninterrupted flow without any blockage. These pipes produced with state of the art technology offer multiple benefits, especially as they are much lighter than any conventional pipe and even lighter than solid wall plastic (PVC, HDPE or PP) pipes. This remarkable material property gives these pipes an edge over many other pipes in terms of handling and installation.

HDPE Double Wall Corrugated Pipe has a glass smooth inner surface and a structured corrugated shape at the outer surface ensuring a wonderful combination of lowest inner friction, smooth internal flow characteristics, high flexibility, superior strength to weight ratio and highest ability to support and distribute live and dead loads thereby meeting every installation condition. It performs exceptionally well in high and low cover situations.

FEATURES AND BENEFITS

Great flexibility - Being light in weight and elastic nature, these pipes offer lot of flexibility while installation as they are adaptable to any type of contour patterns.

Excellent stiffness - Suitable to withstand heavy overload pressure (soil and traffic loads) and sustain various loads that will encounter during installation and in use.

Perfect hydraulic properties - Glass smooth inner surface having manning's coefficient 0.009 – 0.010 (which remain constant without any deterioration during life expectancy) helps in rapid disposal of flowing waste. Such a smooth surface greatly reduces the possibility of blockages and maximizes the flow characteristics and therefore carrying capacity increases by @40% over concrete pipes.

Excellent chemical, corrosion and abrasion resistance properties - Being in plastics, these pipes are free from corrosion and offer excellent resistant to wide range of chemicals. These pipes have excellent abrasion resistance which gives an edge over metal and concrete pipes.

Watertight joints - Joints are 100% watertight and hence free from any infiltration, ex-filtration and root penetration. Due to this, surroundings remain unaffected and possibility of soil or underground water pollution is eliminated.

Easy and quick installation - Due to longer lengths and lighter weight pipes, installation becomes very convenient

and fast. These pipes are very easy to joint using slip-on techniques with integrally welded or individual couplers provided with the pipes. Unlike conventional concrete or metallic pipes, these pipes do not require any heavy handling equipment for installation due to its light weight feature. These pipes can be easily laid in constrained areas thereby saving additional extraneous costs. Thus these pipes are very user-friendly and cost effective.

Maintenance free – Being free from scaling, encrustation and chemical reactivity, there is no need of any regular maintenance, occasional flushing with water keeps the surface smooth and aids the usable age enhancing functions.

Long life - Being free from corrosion, chemical reactivity and excellent abrasion resistance these pipes can last over a century.

Cost effective - 60 to 70% weight saving in comparison to solid wall plastic pipes and hence much cost effective and 95% lighter than concrete pipes.

Eco-friendly - Processing and reprocessing does not have any adverse impact on the environment and due to watertight joints there is no possibility of soil and underground water pollution.

Applications

Supreme Ultra plus DWC pipes can be used for varied application as mentioned below:-

- Underground drainage and sewer application
- Disposal of industrial effluents
- Storm water drainage
- Rainwater harvesting and ground water recharge
- Road/highway cross drainage

These applications are a very few and the PE DWC pipes are finding a new uses almost regularly adding further benefits to this superior technological marvel at a very fast pace.

Adapter for DWC pipes

The specially designed adapters manufactured by the Company are required for connecting double wall corrugated pipes with the inspection chambers or manholes and/or to connect R/R or pasted type socketed PVC pipes with the DWC pipes.

PIPES















Dimensions of DWC Pipes as per IS:16098 (Part 2)

Nominal size DN/ID series (mm)	Approx ID (mm)	Approx OD (mm)
75	75.0	90.0
100	98.0	116.0
135	131.0	156.0
150	148.5	172.5
170	166.0	198.0
200	197.4	230.5
250	248.5	289.0
300	300.0	350.0
400	395.2	465.0
500	496.7	577.0
600	594.6	685.0
800	787.0	925.0

DWC pipes are available in SN 4 and SN 8 stiffness class

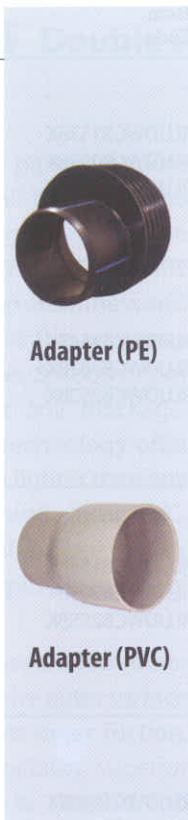
FITTINGS

Item Code	Size mm	Socket Type	Box qty.	
MHDMDWCF00075BK	75	SxS		 <p>Coupler</p>
MHDMDWCF00100BK	100	SxS		
MHDMDWCF00135BK	135	SxS		
MHDMDWCF00150BK	150	SxS		
MHDMDWCF00170BK	170	SxS		
MHDMDWCF00200BK	200	SxS		
MHDMDWCF00250BK	250	SxS		
MHDMDWCF00300BK	300	SxS		
MHDMDWCF00400BK	400	SxS		
RLUDWC0500BK	500	SxS		
RLUDWC0600BK	600	SxS		
	*800	SxS		
1600821	300	SxS		
1600822	400	SxS		
1600820	500	SxS		
(Short)				
RLUDWCB100BK	100	SxS	12	 <p>Bend 90°</p>
RLUDWCB150BK	150	SxS	3	
RLUDWCB204BK	200	SxS	2	
RLUDWCB250BK	250	SxS	1	
RLUDWCB300BK	300	SxS	1	
RLUDWCB152BK	150	SxS	6	 <p>Bend 60°</p>
RLUDWCB200BK	200	SxS	2	
RLUDWCB251BK	250	SxS	1	
RLDWCB45100BK	100	SxS	12	 <p>Bend 45°</p>
RLUDWCB151BK	150	SxS	6	
RLUDWCB201BK	200	SxS	2	
RLUDWCB254BK	250	SxS	1	
RLUDWCB301BK	300	SxS	1	

Item Code	Size mm	Socket Type	Box qty.	
RLUDWCB153BK	150	SxS	6	 <p>Bend 30°</p>
RLUDWCB205BK	200	SxS	3	
RLUDWCB253BK	250	SxS	1	
RLUDWCB154BK	150	SxS	6	 <p>Bend 22.5°</p>
RLUDWCB202BK	200	SxS	3	
RLUDWCB252BK	250	SxS	1	
RLUDWCB155BK	150	SxS	6	 <p>Bend 11.25°</p>
RLUDWCB203BK	200	SxS	3	
RLUDWCB255BK	250	SxS	1	
RLUDWCT100BK	100	SxS	10	 <p>Equal Tee</p>
RLUDWCT150BK	150	SxS	2	
RLUDWCT200BK	200	SxS	2	
RLUDWCT250BK	250	SxS	1	
RLUDWCT300BK	300	SxS	1	
RLUDWCE150BK	150	SxS	2	 <p>Cross Tee</p>
RLUDWCY150BK	*100 150	SxS SxS	2	 <p>Single Y</p>
	*160x150 *200x150 *200x200	SpgxS SpgxS SpgxS		 <p>Adapter</p>
RLUDWCA250BK	250x200	SpgxS	3	 <p>Adapter</p>
RLUDWCA251BK	250x250	SpgxS	2	
RLUDWCA315BK	315x250	SpgxS	1	
RLUDWCA356BK	315x300	SpgxS	1	

* Marked products will be shortly introduced.

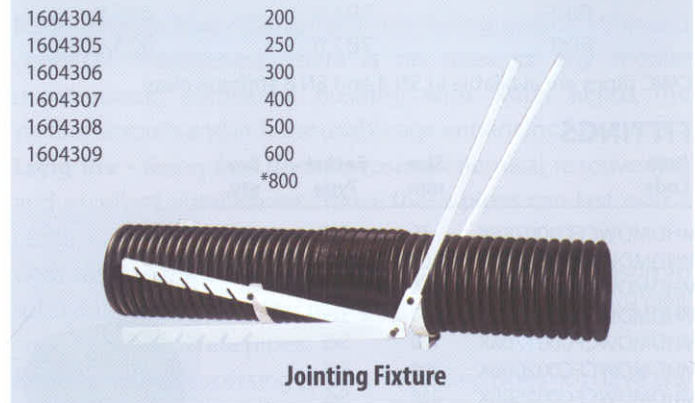
Item Code	Size mm	Socket Type
FPU0EDA010BK	110 x 100	SpgxS
	110 x 150	SpgxS
	160 x 100	SpgxS
	160 x 200	SpgxS
	160 x 250	SpgxS
FPPU0EDA20BK	160 x 250	SpgxS
FPPU0EDA21BK	200 x 100	SpgxS
FPPU0EDA22BK	200 x 250	SpgxS
RLUECR0120GB	200 x 300	SpgxS
RLUECR0180GB	250 x 100	SpgxS
FPU0EDA028BK	250 x 150	SpgxS
	250 x 300	SpgxS



Item Code	Size mm	Socket Type
1605072	75	
1603303	100	
1603304	135	
1603305	150	
1603306	170	
1600817	200	
1603307	250	
1603308	300	
1600819	400	
1600818	500	
1603309	600	
1604677	800	



FPP3DWC110LG	110 x 100	SxS
FPP3DWC161LG	160 x 150	SxS
FPP3DWC162LG	160 x 200	SxS
FPP3DWC200LG	200 x 150	SxS
FPP3DWC201LG	200 x 200	SxS
FPP3DWC250LG	250 x 300	SxS
FPP3DWC251LG	250 x 200	SxS
FPP3DWC315LG	315 x 200	SxS
FPP3DWC316LG	315 x 250	SxS
FPP3DWC317LG	315 x 300	SxS



* Marked products will be shortly introduced.

PE PIPES

HDPE pipes are also available in 63 to 630mm in PN 2.5 to PN 16 pressure classes. These pipes are manufactured as per IS:14333-1996 and are available in 6m length. The pipes are joined either by click ring type fittings or by butt welding making them absolutely watertight. These pipes are most useful in an undulating terrain.

Dimensions of HDPE Pipe - PE 63 as per IS:14333-1996

Dia DN	PN 2.5		PN 4		PN 6		PN 8		PN 10		PN 12.5		PN 16	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
63	-	-	4.0	4.6	5.8	6.7	7.5	8.5	9.0	10.1	10.9	12.2	13.3	14.9
75	3.0	3.5	1.7	5.4	6.9	7.8	8.9	10.0	10.8	12.1	13.0	14.5	15.8	17.6
90	3.6	4.2	5.7	6.5	8.2	9.3	10.6	11.9	12.9	14.4	15.6	17.4	19.0	21.1
110	4.4	5.1	6.9	7.8	10.0	11.2	13.0	14.5	15.8	17.6	19.0	21.1	23.2	25.8
125	5.0	5.7	7.9	8.9	11.4	12.8	14.8	16.5	17.9	19.9	21.6	24.0	26.4	29.3
140	5.6	6.4	8.8	9.9	12.8	14.3	16.5	18.4	20.0	22.2	24.0	26.4	29.5	32.7
160	6.4	7.3	10.0	11.2	14.6	16.3	18.9	21.0	22.9	25.4	27.6	30.6	33.7	37.3
180	7.2	8.2	11.3	12.7	16.4	18.3	21.2	23.6	25.8	28.6	31.1	34.5	37.9	41.9
200	8.0	9.0	12.5	14.0	18.3	20.3	23.6	26.2	28.6	31.7	34.5	38.2	45.2	46.7
225	9.0	10.1	14.1	15.8	20.5	22.8	26.5	29.4	32.2	35.7	38.8	42.9	47.4	52.4
250	10.0	11.2	15.7	17.5	22.8	25.3	29.5	32.7	35.8	39.6	43.2	47.8	52.7	58.2
280	11.2	12.6	17.5	19.5	25.5	28.3	33.0	36.5	40.0	44.2	48.3	53.4	-	-
315	12.6	14.1	19.7	21.9	28.7	31.8	37.1	41.1	45.0	49.7	54.4	60.1	-	-
355	14.2	15.9	22.2	24.7	32.3	35.8	41.8	46.2	50.8	56.1	-	-	-	-
400	16.0	18.6	25.0	29.0	36.4	42.1	47.1	54.4	57.2	66.0	-	-	-	-
450	18.0	20.9	28.2	32.7	41.0	47.4	53.0	61.2	-	-	-	-	-	-
500	20.0	23.2	31.3	36.2	45.5	52.6	-	-	-	-	-	-	-	-
560	22.4	26.0	35.0	40.5	51.0	58.9	-	-	-	-	-	-	-	-
630	25.2	29.2	39.4	45.6	57.3	66.1	-	-	-	-	-	-	-	-

Dimensions of HDPE Pipe - PE 80 as per IS:14333-1996

Dia DN	PN 2.5		PN 4		PN 6		PN 8		PN 10		PN 12.5		PN 16	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
63	-	-	3.0	3.5	4.4	5.1	5.8	6.6	7.0	7.9	8.6	9.7	10.5	11.8
75	2.3	2.8	3.6	4.2	5.3	6.1	6.9	7.8	8.4	9.5	10.2	11.5	12.5	14.0
90	2.8	3.3	4.3	5.0	6.3	7.8	8.2	9.3	10.0	11.2	12.2	13.7	15.0	16.7
110	3.4	1.0	5.3	6.1	7.7	8.7	10.0	11.2	12.3	13.8	14.9	16.6	18.4	20.5
125	3.8	1.4	6.0	6.8	8.8	9.9	11.4	12.8	13.9	15.5	16.9	18.8	20.9	23.2
140	4.3	5.0	6.7	7.6	9.8	11.0	12.8	14.3	15.6	17.4	19.0	21.1	23.4	26.0
160	4.9	5.6	7.7	8.7	11.2	12.6	14.6	16.3	17.8	19.8	21.7	24.1	26.7	29.6
180	5.5	6.3	8.6	9.7	12.6	14.1	16.4	18.3	20.0	22.2	24.1	27.1	30.1	33.2
200	6.1	7.0	9.6	10.8	14.0	15.6	18.2	20.3	22.3	24.8	27.1	30.1	33.4	37.0
225	6.9	7.8	10.8	12.1	15.7	17.5	20.5	22.8	25.0	27.7	30.5	33.8	37.8	41.5
250	7.6	8.6	12.0	13.4	17.5	19.5	22.8	25.3	28.7	30.8	33.8	37.4	41.7	46.1
280	8.5	9.6	13.4	15.0	19.6	21.8	25.5	28.3	31.2	34.6	37.9	41.9	46.7	51.6
315	9.6	10.8	15.0	16.7	22.7	24.4	28.7	31.8	35.0	38.7	42.6	47.1	52.5	58.0
355	10.8	12.1	17.0	18.9	24.8	27.5	32.3	35.8	39.5	43.7	48.0	53.0	59.2	65.4
400	12.2	14.3	19.1	22.2	28.0	32.4	36.4	42.1	44.5	51.4	54.1	62.5	-	-
450	13.7	16.0	21.5	25.0	31.4	36.4	41.0	47.4	50.0	57.7	-	-	-	-
500	15.2	17.7	23.9	27.7	34.9	40.4	45.5	52.6	55.6	64.2	-	-	-	-
560	17.0	19.8	26.7	31.0	39.1	45.2	51.0	58.9	-	-	-	-	-	-
630	19.1	22.2	30.0	34.7	44.0	50.8	57.3	66.1	-	-	-	-	-	-
710	21.6	25.1	33.9	39.2	49.2	57.3	-	-	-	-	-	-	-	-
800	24.3	28.2	38.1	44.1	55.9	64.5	-	-	-	-	-	-	-	-

Dimensions of HDPE Pipe - PE 100 as per IS:14333-1996

Dia DN	PN 6		PN 8		PN 10		PN 12.5		PN 16	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
63	3.6	4.2	4.7	5.4	5.8	6.6	7.0	7.9	8.7	9.8
75	4.3	5.0	5.6	6.4	6.9	7.8	8.4	9.5	10.4	11.7
90	5.1	5.9	6.7	7.6	8.2	9.3	10.0	11.2	12.5	14.0
110	6.3	7.2	8.2	9.3	10.0	11.2	12.3	13.8	15.2	17.0
125	7.1	8.1	9.3	10.5	11.4	12.8	13.9	15.5	17.3	19.3
140	8.0	9.0	10.4	11.7	12.8	14.3	15.6	17.4	19.4	21.6
160	9.1	10.3	11.9	13.3	14.6	16.3	17.8	19.8	22.1	24.6
180	10.2	11.5	13.4	15.0	16.4	18.3	20.0	22.2	24.9	27.6
200	11.4	12.8	14.9	16.6	18.2	20.3	22.3	24.8	27.6	30.6
225	12.8	14.3	16.7	18.6	20.5	22.8	25.0	27.7	31.4	34.5
250	14.2	15.9	18.6	20.7	22.8	25.3	27.8	30.8	34.5	38.2
280	15.9	17.7	20.8	23.1	25.5	28.3	31.2	34.6	38.7	42.8
315	17.9	19.9	23.4	26.0	28.7	31.8	35.0	38.7	43.5	48.1
355	20.1	22.4	26.3	29.2	32.3	35.8	39.5	43.7	49.0	54.1
400	22.7	26.4	29.7	34.4	36.4	42.1	44.5	51.4	55.2	63.7
450	25.5	29.6	33.4	38.7	41.0	47.4	50.0	57.7	-	-
500	28.4	32.9	37.1	42.9	45.5	52.6	55.6	64.2	-	-
560	31.7	36.7	41.5	48.0	51.0	58.9	-	-	-	-
630	35.7	41.3	46.7	54.0	57.3	68.1	-	-	-	-
710	40.2	46.5	52.6	60.7	-	-	-	-	-	-
800	45.3	52.3	-	-	-	-	-	-	-	-

Gratings for Covering Surface Drains

Grating for surface drain is one more useful product offered by the company. Concrete or cast iron Gratings that are being used presently are associated with several problems such as heavy weight and corrosion making them difficult to handle, install and are expensive. The gratings in plastics are free from the aforesaid problems and in fact, have several more advantages that make the product a superior choice for surface drain covers.

Advantages

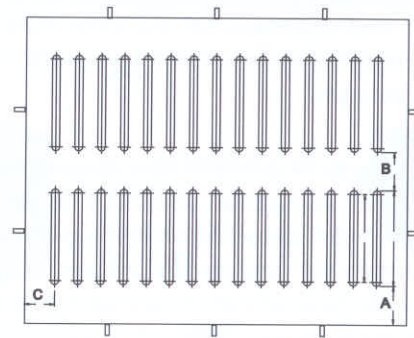
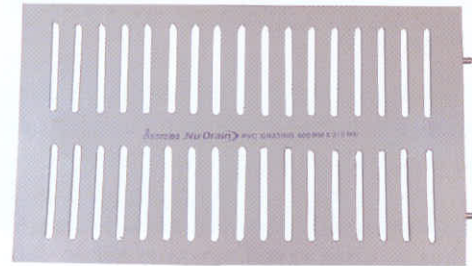
- Light weight, easy to handle and store.
- Ease of installation.
- Versatile.
- Tough and durable.
- Excellent corrosion and chemical resistance.
- Environment friendly.
- Less prone to thefts.
- Cost effective.
- Superior substitute to CI and concrete gratings.

Range

Gratings are available in standard lengths of 500 and 600mm and in widths of 150, 200, 375 and 400mm.

Dimension details

Size (mm) (+5.0, -0.0)	Dimension			No of slots	Thickness (mm)
	A	B	C		
500 x 150	30	90	40	15	15
500 x 200	50	100	40	15	15
500 x 375	30	65	40	15	15
500 x 400	45	60	40	15	15
600 x 150	30	90	45	18	15
600 x 200	50	100	45	18	15
600 x 375	30	65	45	18	15
600 x 400	45	60	45	18	15



Fields of applications

The Supreme gratings offer the correct solution for surface drains, in various applications like pavements, road side curbs, cycle paths, car-parks, school yards, play grounds, shopping malls, storage yards, sports grounds, building terraces and balconies, side drains in building complexes and several other applications.

Strength of Grating

Gratings are designed for parking and light traffic movements with designed wheel load of 1.5 MT.



THE SYSTEM

The Supreme Safeguard® septic tanks are designed to provide a better substitute to existing conventional brick and mortar septic tanks or tanks made out of Hume pipes. Conventional septic tanks are associated with multiple problems of corrosion and leakages thereby polluting soil and ground water. Besides cumbersome and time consuming construction and repeated maintenance, the life span of these tanks is short and uncertain. On the other hand, Supreme Safeguard® septic tanks are free from above problems and offer additional advantages.

Product range

We offer septic tanks in different sizes ranging from 1000 to 29,500 ltrs capacity. Septic tanks up to 3000 ltrs are available in vertical design which has two separate integral compartment for proper settlement and decomposition of solid waste whereas the septic tanks of 5500 ltrs and above capacities have modular horizontal design. Different modular units can be connected with each other for increased capacity up to 29,500 ltrs.

FEATURES AND BENEFITS

Rotationally moulded, one-piece construction - Supreme Safeguard® septic tanks are manufactured by rotational moulding process which produces a one piece, seamless, watertight product.

Unique design - Safeguard® septic tanks have unique single piece two chamber patented design which allows for vertical settlement of the solids and are found to be much more efficient than conventionally built septic tanks.

Great strength - Robust in design with unique rib structure provides superior structural integrity to the tank. Making it very strong to meet various loading and handling requirements.

Simple and Quick Installation - Safeguard® ready to use manufactured septic tanks are light in weight making the installation very simple and quick. Minimum requirement of

excavation further saves lot of time, energy and costs. Installation of these tanks can be carried out even by unskilled workers with little training and are being preferred for replacement of the existing concrete septic tanks on a large scale. Any Safeguard® septic tanks can be transported to the job site in a pickup van needs just two people to carry.

Excellent chemical resistance - Unlike conventional tanks, polyethylene is unaffected by soil chemicals and the chemicals and gases present in sewage. Therefore Supreme Safeguard® septic tanks will not rust or corrode and require no additional coatings. Safeguard® septic tanks are absolutely safe against ill effects of hydrogen sulphide (H₂S), a common problem with masonry or concrete septic tanks or the ones made from Hume pipes. Safeguard® manufactured under strict quality guidelines, on the other hand, ensures an environmentally safe septic tank.

Hygienic and safe - It is 100% watertight and hence guarantees against leakages preventing soil and ground water pollution.

Minimal maintenance required for these tanks saves time and costs.

Long life - expected to last 50 years, i.e., the life time of a building under ideal conditions.

Complete pre-plumbed set/ready for installation - Safeguard® tanks are supplied complete with inlet and outlets connections, rodding eye, extension piece and cover with watertight seals on all joints the tank that you receive ready for installation.

Other features of Supreme Safeguard® septic tanks -

- (a) Free from corrosion and subsequent infiltration and ex-filtration problems.
- (b) No root penetration.
- (c) Minimum space requirement – Being available in ready to use form and vertical in design, these tanks can be installed in minimum space with minimum excavation.
- (d) Can be relocated.
- (e) Eco-friendly.

Product Range

Item Code	Size in ltrs.
RLSVST1000IB	1000
RLSVST1500IB	1500
RLSVST1800IB	1800
RLSVST2000IB	2000
RLSVST3000IB	3000
RLSVST1001IB	1000
RLSVST1501IB	1500
RLSVST1801IB	1800
RLSVST2001IB	2000
RLSVST3001IB	3000

(with extension piece)

Item Code	Size in ltrs.
RLSMST5500IB	5500 (Stand alone)
RLSMST9500IB	9500 (Domed end 4750 ltr x 2 nos.)
RLSMST1350IB	13500 (Domed end 4750 ltr x 2 nos. + Inner 4000 ltrs x 1 no.)
*15500	(Domed end 4750 ltr x 2 nos. + Inner 6000 ltrs x 1 no.)
RLSMST1750IB	17500 (Domed end 4750 ltr x 2 nos. + Inner 4000 ltrs x 2 nos.)
*19500	(Domed end 4750 ltr x 2 nos. + Inner 4000 ltrs x 1 no. + Inner 6000 ltrs x 1 no.)
RLSMST2150IB	21500 (Domed end 4750 ltr x 2 nos. + Inner 4000 ltrs x 3 nos. / Inner 6000 ltrs x 2 nos.)
*23500	(Domed end 4750 ltr x 2 nos. + Inner 4000 ltrs x 2 nos. + Inner 6000 ltrs x 1 no.)
RLSMST2550IB	25500 (Domed end 4750 ltr x 2 nos. + Inner 4000 ltrs x 4 nos. / Inner 6000 ltrs x 2 nos. + Inner 4000 ltrs x 1 no.)
*27500	(Domed end 4750 ltr x 2 nos. + Inner 6000 ltrs x 3 nos. / Inner 6000 ltrs x 1 no. + Inner 4000 ltrs x 3 nos.)
RLSMST2950IB	29500 (Domed end 4750 ltr x 2 nos. + Inner 4000 ltrs x 5 nos. / Inner 6000 ltrs x 2 nos. + Inner 4000 ltrs x 2 nos.)



Septic Tank - Vertical



Septic Tank - Modular

Extension Piece

RLSEXT0500BK	500mm long
RLSEXT0300BK	300mm long
RLSEXT0150BK	150mm long



Cover

RLSCOV0500BK	500mm
(Vertical Tank)	
RLSCOV0600BK	600mm
(Modular Tank)	



* Marked sizes will be shortly introduced.



THE SYSTEM

After the success of "Nu-Drain underground drainage system" and "Safegard ready-made septic tanks", we are pleased to introduce yet another innovative and useful product i.e. mobile ready-made toilet blocks with Indian and European style WC's and ladies urinals under the brand name of "Cleanage®". The modular toilet block having European WC is provided with overhead water tank and flushing arrangement. Modular toilet blocks can be installed in a series with minimum space requirement. These superior products offer multiple advantages and are in line with central Govt's initiatives to provide sanitation for all. It will certainly enhance the quality of life by improving the quality of sanitation across the country.

Fields of applications

- Rural sanitation • Constructions sites • Schools and hospitals
- Public places in municipal areas • Sporting events
- Different events and religious gatherings like Kumbh melas etc. • Military camps • Park and gardens

Technical specifications

Overall dimensions

For ready-made toilet block : 2450 x 1080 x 930 mm
(HxWxB)

For modular toilet block : 2615 x 1160 x 970 mm
(HxWxB)

Size of outlet : 110 mm (for toilet block)
75 mm (for ladies urinal)

FEATURES AND BENEFITS

- Can be installed and put to use without any loss of time
- Complete in all respects with required traps, plumbing accessories and electrical connections
- Light weight yet strong and sturdy
- Easy and quick installation
- Elegant look
- Easy to clean and maintain
- Long life
- Required minimum space (For Modular Type)
- Provision of overhead tanks (For Modular Type)



Product Range

Item Code

RLSPCTB001CR



Toilet Block (Indian)

RLSPCTT001CR



Toilet Top



***Modular Toilet Block**

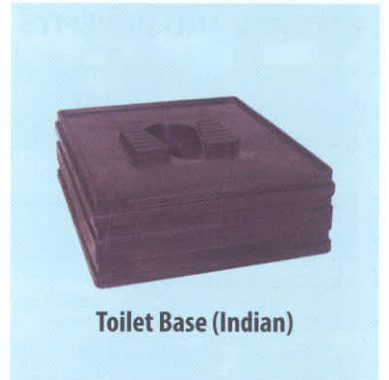
Item Code

RLSPCLU001MP



Ladies Urinal Block

RLSPCTS001DG



Toilet Base (Indian)



***Toilet Base (European)**

RLSPLUB001DG



Ladies Urinal Base

* Marked products will be shortly introduced.



THE SYSTEM

After successfully introducing many innovative and value added products like Nu-drain underground drainage system, Safeguard ready-made septic tanks and ready-made toilet blocks, we are pleased to introduce Cleanage ready-made men's urinals, an innovative and useful product to promote hygiene at public places. This superior product equipped with multiple features and is in line with central Govt's initiatives to provide sanitation for all and will certainly enhance the quality of sanitation across the country.

FEATURES AND BENEFITS

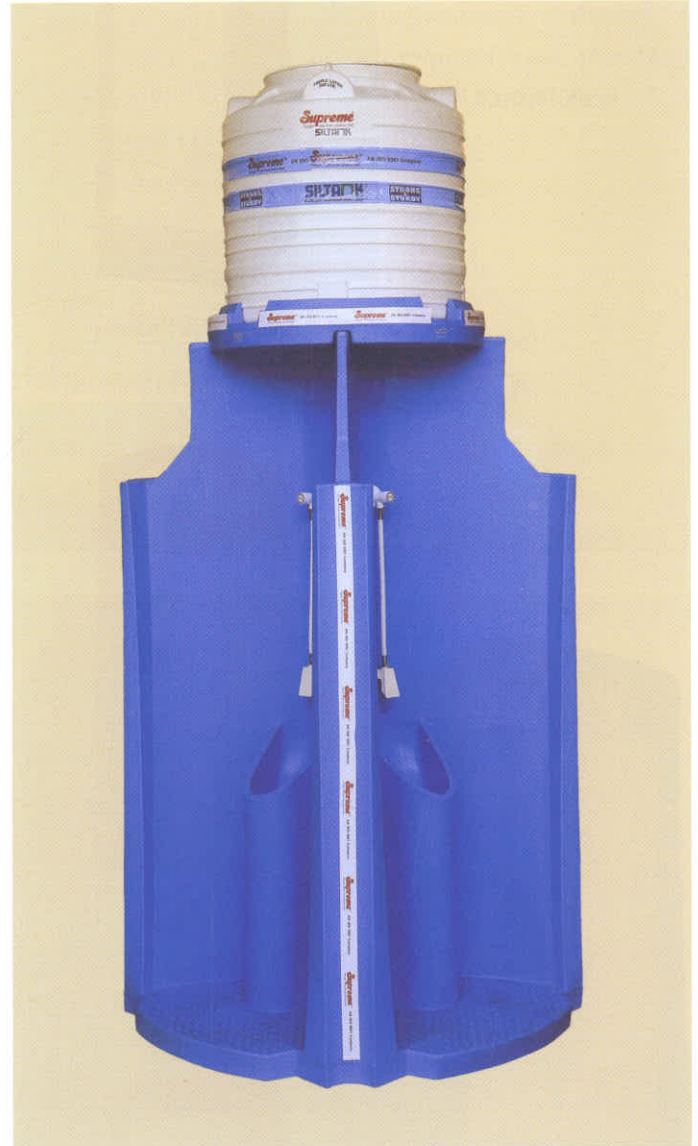
- Ready-made structure with in-built accessories
- Compact and user friendly
- In-built flushing mechanism
- Can be immediately commissioned
- Easy and fast installation
- Minimal maintenance
- Cost effective
- Long life

Applications

- Public places in rural and municipal areas
- Construction sites
- Schools and hospitals
- Sport events
- Different events and religious gatherings like kumbh melas, fairs (yatras) etc.
- Military camps
- Park and gardens

Technical specifications

Material : Polyethylene
Overall dimensions : 2975 x 1180 x 1180 mm (H x W x L)
Size of outlet : 75 mm



Product Range

Item Code

RLMAU000000SB
(Blue)

RLMAU000000OG
(O Green)

- Any specification may change without prior notice.
- All information contained in this literature is given in good faith and believed to be accurate and reliable. Because of many factors which may be outside our knowledge and control and affect the use of the product, no warranty is given or implied with respect to such information, nor do we offer any warranty of immunity against patent infringement. No responsibility can be accepted for any error, omissions or incorrect assumptions.



Knowledge Centre

... a concurrent knowledge sharing platform

Supreme doesn't believe merely in advertising but building relations with customers, creating brand loyalty, spreading awareness on right plumbing practices etc. are some of the many programs run by the Supreme Industries. This futuristic and beyond business attitude flourishes at '**Knowledge Centre**'. This concept is first of its kind in the country and is the epicenter of its sprawling mega project at Gadegaon. The Knowledge Centre is a platform to impart complete knowledge on plumbing and piping and extensive training to the people in the piping fraternity like the plumbers, plumbing contractors, architects, engineers, consultants etc.

The Company has structured a training module for the plumbers and plumbing contractors who are responsible for the installation of plumbing products into various housing segments. They are trained with proper techniques of jointing and installations. Thus, Supreme has begun its journey towards achieving a new goal where in the plumbing industry gets a trained work force thereby error free installation is achieved and the end users get the best product experience.

After the encouraging results and the success of Knowledge Centre at Gadegaon, near Jalgaon in Maharashtra, the company has opened up three more such centres at Ernakulam (Kerala), Malanpur near Gwalior (M.P.) and at Kharagpur (W.B.)

Knowledge Centre is one of the several establishments fulfilling Supreme's objectives of 360° excellence.

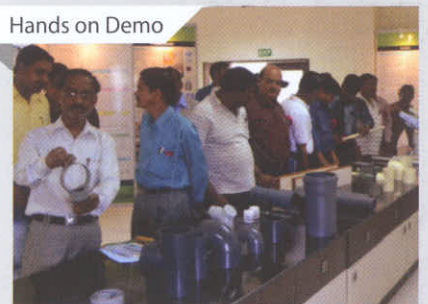
Product Display



Installed Product Display



Hands on Demo



An aerial view of Knowledge Centre, Gadegaon



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