

High Pressure uPVC Threaded Pipes

A Supreme way for lifelong supply
of Pure and Safe drinking water



The Supreme Industries Ltd; has evolved to become an undisputed leader in India's plastics industry, with valuable experience in providing innovative and cost effective piping solution. It is the name synonymous with Quality, Innovation and Service is a trend setter in plastic piping system in India. Company's objective is to meet the growing needs of the customers in water, waste management and infrastructure sector through specially developed high performance piping range. The Supreme comprehensive and exclusive range of plastic pipe systems are designed and manufactured to meet the highest standards set across the world. Supreme has, no doubt, brought about a revolution in the Indian plastics pipe industry.

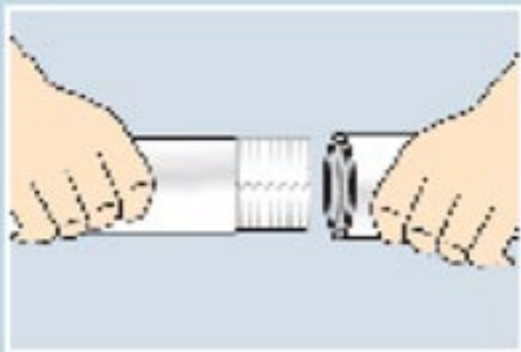
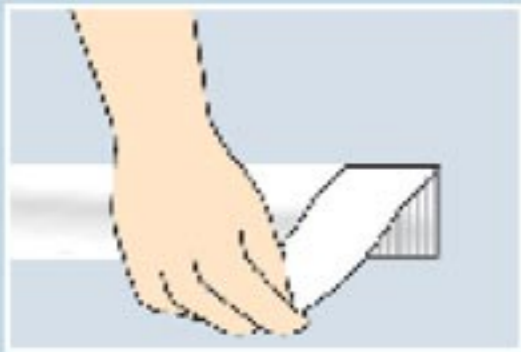
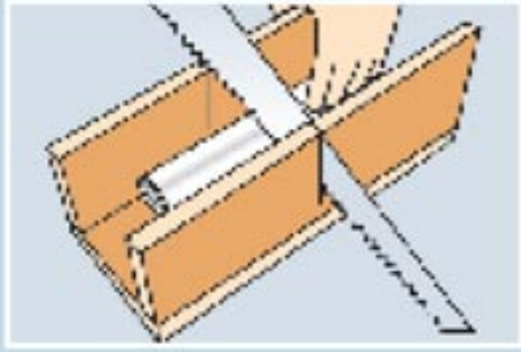
Unique Features

- Stronger, resilient and longer lasting
- Excellent corrosion and chemical resistance
- Light weight, easy and fast installation
- Hygienic and safe for carrying drinking water
- Optimum flow rates
- Unaffected by termites, fungus or bacteria
- No algae formation
- 100% Leak proof joints
- No root penetration
- No galvanic action with CP and other fittings
- Bad conductor of electricity
- Available in SCH-40, SCH-80, SCH-120
- Economical, low operating and maintenance cost
- Well accepted by the users in India and abroad

ASTM HIGH PRESSURE THREADED PIPES

These pipes are manufactured as per ASTM D 1785 standard and are available in SCH 40,80,and 120 pressure class. These pipes are generally used for plumbing, water supply and jet pumps. These pipes are not recommended to use with aqua gold solvent weld fittings. ASTM threaded pipes are 30-40% cheaper to G.I. pipes and offer all the advantages of plastic piping system. Dimensions and pressure ratings of these pipes are given in the table below.

JOINING INSTRUCTIONS



- While threading at the site, ensure square cut of the pipe ends, insert proper size wooden plug in the pipe end and then carry out threading. Adding cold water while threading improves the quality of threads.
- Use of cushion between jaws of the pipe wrench while holding the pipe is advisable to avoid damage to the pipe. It is recommended to use strap wrench for best results.
- The joint should be clean and threads should be made in one pass.
- For sealing of joints, best quality teflon tape must be used. This will avoid the damage to threads and avoid leakage.
- The joint should be made with hand tightening of the fitting over the pipe end covered with proper layer of teflon tape.
- Avoid over tightening of the joint.
- All the pipe lines should be supported approximately at a distance of 0.8 mtrs (2½') for horizontal service and 1.2 mtrs (4') for vertical service with pipe clips or CI brackets with nut bolts.
- When the system is to be concealed, it should be pressure tested before concealment.
- This system is not recommended for geyser outlets and hot water supply.
- In case of longer runs, provide air valves at all higher points of ground and the sizes of the valve should be ¼th of the main line.

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

Nominal Bore (inch)	Outside Diameter (mm)	Schedule 40			Schedule 80			Schedule 120		
		Wall Thickness (mm)	Working Pressure		Wall Thickness (mm)	Working Pressure		Wall Thickness (mm)	Working Pressure	
			Mpa	psi		Mpa	psi		Mpa	psi
½	21.34 ± 0.10	2.77 + 0.51	2.07	300	3.73 + 0.51	2.90	420	4.32 + 0.51	3.52	510
¾	26.67 ± 0.10	2.87 + 0.51	1.65	240	3.91 + 0.51	2.34	340	4.32 + 0.51	2.69	390
1	33.40 ± 0.13	3.38 + 0.51	1.55	225	4.55 + 0.53	2.21	320	5.08 + 0.61	2.48	360
1¼	42.16 ± 0.13	3.56 + 0.51	1.27	185	4.85 + 0.58	1.79	260	5.46 + 0.66	2.07	300
1½	48.26 ± 0.15	3.68 + 0.51	1.14	165	5.08 + 0.61	1.65	240	5.72 + 0.68	1.86	270
2	60.32 ± 0.15	3.91 + 0.51	0.96	140	5.54 + 0.66	1.38	200	6.35 + 0.76	1.65	240
2½	73.02 ± 0.18	5.16 + 0.61	1.03	150	7.01 + 0.48	1.45	210	7.62 + 0.91	1.59	230
3	88.90 ± 0.20	5.49 + 0.66	0.89	130	7.62 + 0.91	1.31	190	8.89 + 1.07	1.52	220
4	114.30 ± 0.23	6.02 + 0.71	0.76	110	8.56 + 1.02	1.10	160	11.10 + 1.32	1.52	220
5	141.30 ± 0.25	6.55 + 0.79	0.65	90	9.52 + 1.14	0.97	140	12.70 + 1.52	1.37	200
6	168.28 ± 0.28	7.11 + 0.86	0.65	90	10.97 + 1.32	0.97	140	14.27 + 1.70	1.31	190
8	219.08 ± 0.38	8.18 + 0.99	0.55	80	12.70 + 1.52	0.83	120	-----	-----	-----

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

THE SUPREME INDUSTRIES LTD. (Plastic Piping Division)

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