

## UV Stabilized High Pressure uPVC Threaded Pipes

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

**E**stablished in 1942, Supreme is the largest plastic processing company in India. It has eighteen hi-tech manufacturing plants across the country, which incorporates state-of-the-art manufacturing facilities and equipment. Supreme has been on forefront in developing a wide range of plastic piping products. Its portfolio today consists more than 4000 variety of products and caters to various piping applications like-Irrigation, Water transportation, Borewell, Plumbing, SWR Drainage, Sewerage and Cable ducting. Due to its innovative range of products coupled with meticulous quality assurance, Supreme is referred to as **"People who know plastics the best"**.

The company believes in supplying only superior quality products, aimed at satisfying domestic and international customers. Supreme's view about high quality and advanced product range is supported by its state-of-the-art equipment installed at the plant and technical know how available from the strategic alliance with world leaders in plastic piping technology. The company is proud recipient of top exporter's awards in "plastic piping product" consecutively for many years.



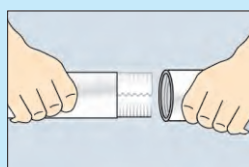
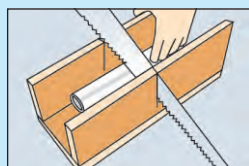
## ASTM HIGH PRESSURE THREADED PIPES

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 Supreme aqua gold solvent weld pipes. The system is UV-stabilized. Dimensions and pressure ratings of these pipes are given in the table below.

### ADVANTAGES

- 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
- UV Stabilized (No sun rays and weather effect)
- 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

### 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 or jute with holdtite 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 or jute with holdtite.
- 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 ¼<sup>th</sup> of the main line.

**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)**

		Schedule 40			Schedule 80			Schedule 120		
Nominal Bore	Outside Diameter	Wall Thickness	Working Pressure		Wall Thickness	Working Pressure		Wall Thickness	Working Pressure	
(inch)	(mm)	(mm)	Mpa	psi	(mm)	Mpa	psi	(mm)	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	120	12.7 + 1.52	2.76	200
6	168.28 ± 0.28	7.11 + 0.86	0.65	90	10.97 + 1.32	0.97	120	14.27 + 1.70	2.55	190

Mpa = Mega Pascal, 1 Mpa = 10 Kgf/cm<sup>2</sup>, 1 Kgf/cm<sup>2</sup> = 14.20 psi

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