



C.R.I. PIPES

ONE STOP PIPING SOLUTION



Quality in every inch.

CPVC PLUMBING PIPES & FITTINGS

For Hot & Cold water applications

C.R.I. CPVC (Chlorinated Polyvinyl Chloride) pipes and fittings are the quality plumbing system for carrying hot and cold water. These pipes & fittings are manufactured as per the standards of IS 15778 & ASTM D 2846 in sizes from 15mm to 50mm with the class of SDR 11 & SDR 13.5 and ASTM F 441 for higher diameter pipe sizes from 65mm to 100mm with the class of SCH 40 & SCH 80 and ASTM F438 for SCH 40 & ASTM F439 for SCH 80 Fittings. The advantages of PVC and Chlorine, results in carrying hot water at a maximum temperature of 82°C and are maintenance free for life.



FIELDS OF APPLICATION

Plumbing application in buildings, Water distribution mains Industrial process lines, Swimming pools, Salt water lines, Aggressive / corrosive fluid transportation, Sugar, paper and distillery industry, Coal washing and ash handling, Pipes for hand pumps.

FEATURES

- **Corrosion & Chemical Resistant** - C.R.I. CPVC pipes and fittings have excellent chemical resistance properties to withstand salty and chlorinated water conditions.
- **Fire Resistant** - C.R.I. CPVC pipes & fittings are fire resistant and self-extinguishing.
- **Heat & Pressure Resistant** - Since it has high heat & pressure resistance properties, these pipes are preferred to carry potable hot & cold water in residential and commercial buildings.
- **Maintenance Free** - C.R.I. CPVC pipes & fittings are free from corrosion, rust, weathering & leakage and ensures years of trouble free performance.
- **Easy to Install** - No special tools required for installing. The pipes and fittings are easily joined using solvent cements.
- **Low Thermal Expansion & Contraction**- C.R.I. CPVC pipes and fittings have lower thermal expansion & contraction compared to other thermoplastics and metal pipes. Therefore, distortion of pipelines due to flow of hot water and thus leading to looping is reduced.

TECHNICAL DETAILS

Dimensions and water pressure rating as per IS : 15778 : 2007

Nominal Size	Outer Diameter (D) in mm		SDR 11				SDR 13.5			
			Wall Thickness (t) in mm		Working Pressure at (kgf/cm ²)		Wall Thickness (t) in mm		Working Pressure at (kgf/cm ²)	
mm	Min	Max	Min	Max	27° C	82° C	Min	Max	27° C	82° C
15	15.8	16.0	1.7	2.2	28.10	6.90	1.4	1.9	22.20	5.60
20	22.1	22.3	2.0	2.5	28.10	6.90	1.7	2.2	22.20	5.60
25	28.5	28.7	2.6	3.1	28.10	6.90	2.1	2.6	22.20	5.60
32	34.8	35.0	3.2	3.7	28.10	6.90	2.6	3.1	22.20	5.60
40	41.2	41.4	3.8	4.3	28.10	6.90	3.1	3.6	22.20	5.60
50	53.9	54.1	4.9	5.5	28.10	6.90	4.0	4.6	22.20	5.60

Dimensions and water pressure rating as per ASTM F441

Nominal Size	Outer Diameter (D) in mm		SCH 40				SCH 80			
			Wall Thickness (t) in mm		Working Pressure at (kgf/cm ²)		Wall Thickness (t) in mm		Working Pressure at (kgf/cm ²)	
mm	Min	Max	Min	Max	27° C	82° C	Min	Max	27° C	82° C
65	72.84	73.20	5.16	5.77	21.00	5.30	7.01	7.85	29.50	7.30
80	88.70	89.10	5.49	6.15	18.20	4.60	7.62	8.53	25.90	6.30
100	114.07	114.53	6.02	6.73	15.50	3.90	8.56	9.58	22.50	5.60



C.R.I. PIPES



- 📞 TOLL FREE 1800 121 1243
- 🌐 www.crigroups.com
- 📘 www.facebook.com/cripumps
- 🐦 www.twitter.com/cri_pumps

In view of continuous developments, the information / performance / descriptions / specifications / illustrations mentioned in this catalogue are subject to change without notice.