

# CPVC Pipes & Fittings



## CPVC (Chlorinated Polyvinyl Chloride)

CPVC (Cholorinated Polyvinyl Chloride) pipes and fittings are the quality plumbing system for carrying hot and cold water. The Pipes are manufactured as per IS 15778 with the class of SDR 11 and fittings are manufactured as per ASTM D 2846 in sizes from 15mm to 50mm.. The advantages of PVC and Chlorine, results in carrying hot water at a maximum temperature of 82°C and are maintenance free for life.

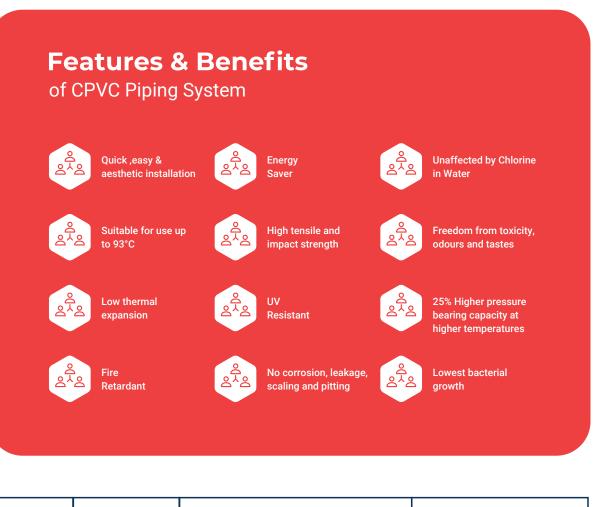


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#### **POLY INDIA CPVC**

pipes and fittings are manufactured using world class raw material and technology, which makes them ideal for both hot and cold water distribution systems. These pipes are made from a special plastic, chemically known as Chlorinated Polyvinyl Chloride, commonly known as CPVC.

- Pipes are available in SDR 11.
- The available range of pipes and fittings varies from 15 mm to 50 mm.



| Hotels   | Hospitals     | Water Treatment Plans Metal Treatment |  |  |  |  |  |
|--|---------------|---------------------------------------|--|--|--|--|--|
| High Rise Residential Buildings, Complexes and Societies |               |                                       |  |  |  |  |  |
| Pulp & Paper Industries Chemical & Pharma Industries     |               |                                       |  |  |  |  |  |
| Comme  | rcial & Indus | Solar Water Heaters                   |  |  |  |  |  |

### Standards

|           |          | Pipes      |                         | Fittings  |        |             |   |  |
|-----------|----------|------------|-------------------------|-----------|--------|-------------|---|--|
| Size (mm) | Class    | Standard   | End Connection          | Size (mm) | Class  | Standard    | End Connection  |  |
| 15 to 50  | SDR 11   | IS 15778   | Solvent Cement<br>Joint | 15 to 50  | SDR 11 | ASTM D 2846 | Solvent Cement  |  |
| 15 to 50  | SDR 13.5 | IS 15778   |                         | 65 to 100 | SCH 80 | ASTM F 439  | <ul><li>Sockets Joint.</li><li>For transition joints,</li></ul> |  |
| 65 to 250 | SCH - 40 | ASTM F 441 |                         | 150       | SCH 40 | ASTM F 438  | fittings with plastic<br>threads & metal                        |  |
| 65 to 250 | SCH - 80 | ASTM F 441 |                         | -         | -      | -           | threaded inserts.   |  |

## Dimensions

| Nominal Bore |        | Outside<br>Diameter |       | SDR-11         |       |                  |          | SDR-13.5       |       |                  |                       |
|--------------|--------|---------------------|-------|----------------|-------|------------------|----------|----------------|-------|------------------|-----------------------|
|              |        |                     |       | Wall Thickness |       | Working Pressure |          | Wall Thickness |       | Working Pressure |                       |
|              |        | Min                 | Max   | Min            | Max   | At 27°C          | At 82°C  | Min            | Max   | At 27°C          | At 82°C               |
| (mm)         | (inch) | (mm)                | (mm)  | (mm)           | (mm)  | (Kg/cm²)         | (Kg/cm²) | (mm)           | (mm)  | (Kg/cm²)         | (Kg/cm <sup>2</sup> ) |
| 15           | 1/2    | 15.80               | 16.00 | 1.70#          | 2.20# | 28.14            | 6.93     | 1.40#          | 1.90# | 22.22            | 5.60                  |
| 20           | 3/4    | 22.10               | 22.30 | 2.00           | 2.50  | 28.14            | 6.93     | 1.70           | 2.20  | 22.22            | 5.60                  |
| 25           | 1      | 28.50               | 28.70 | 2.60           | 3.10  | 28.14            | 6.93     | 2.10           | 2.60  | 22.22            | 5.60                  |
| 32           | 1 1⁄4  | 34.80               | 35.00 | 3.20           | 3.70  | 28.14            | 6.93     | 2.60           | 3.10  | 22.22            | 5.60                  |
| 40           | 1 1⁄2  | 41.20               | 41.40 | 3.80           | 4.30  | 28.14            | 6.93     | 3.10           | 3.60  | 22.22            | 5.60                  |
| 50           | 2      | 53.90               | 54.10 | 4.90           | 5.50  | 28.14            | 6.93     | 4.00           | 4.60  | 22.22            | 5.60                  |

