

The Right Choice

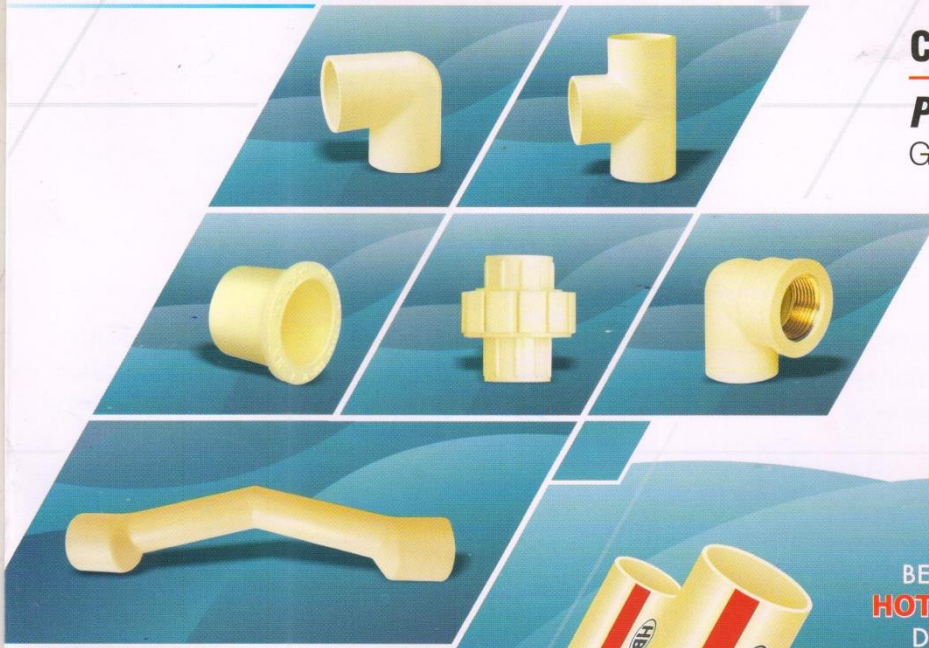


Connecting Your Water Supplies
SINCE 1976

CPVC

PIPES & FITTINGS

CATALOGUE
cum
PRICE LIST
G-25-09-2018



BEST SUITED FOR
HOT & COLD WATER
DISTRIBUTIONS

www.hbglobal.in
www.hbgroup.in

IS : 15778 : 2007



CM/L-4868692
FOR PIPES



An ISO 9001:2015
Certified Company

The Right Choice



Introduction

On behalf of **HB GROUP**, it gives us immense pleasure to take this opportunity to welcome all our respected partons to experience our exceptional, reliable and value driven range of **HB** Products & Services.

HB is capable of producing an extensive product portfolio at an annual capacity of 3000 metric tons, consisting of a variety of **Pipes & Fittings** made of **PVC | CPVC | UPVC** and conforms to ASTM, BIS amongst other standards, ranging from 15mm(1/2") to 250mm(10"). **HB** is accredited by international certifications such as the **ISO 9001: 2015**.

Our top priority is to maintain Quality & Safety assurance to the maximum of both national and international standards. Our contemporary quality control laboratory monitors raw materials & products during all stages of producton, the product life cycle and facilitates innovation through research and development facilities. Our well dedicated sales support staff & marketing team provides thorough plumbing solutions to our valued customers.

Mission

Our mission aims for persistent refined growth by positioning ourselves to offer customers the greatest breadth of products, the widest geographical reach, the most cost effective production operations, the highest capacity & the most comprehensive field sales support team in the industry.

Vision

To be the premier plastic pipe manufacturing company in the region, delivering superior-quality products which is made accurately to specific needs and standards. We are committed to :

Make the most of our knowledge and expertise to improve our products, processes & services.

Permanently monitor, meet & improve our performance against set target.

Exercise every endeavor to prevent failure, eliminate defects, maintain & increase customer satisfaction.

Proactively disclose & share knowledge with customers, suppliers, employees & staff.

Deliver products of outstanding quality to achieve & maintain satisfaction, respect, trust & loyalty of customers.

Quality Policy

We are accredited with **ISO 9001: 2015** certification. In all phases of **HB** operations accuracy is the key qualification for satisfying our customers whom we regard as partners. **HB** employees, management & staff are committed to the implementation, monitoring & maintenance of the quality policy at each stage of production & supply.

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Chlorinated Polyvinyl Chloride (CPVC) Pipes

for Potable Hot & Cold Water Distribution Supplies as per IS:15778:2007

HB CPVC Plumbing System is safe, long lasting & cost effective solution especially for **Hot & Cold** water distribution. Both Pipes & Fittings made from Chlorinated Poly Vinyl Chloride. Pipes are produced in copper tube size (CTS) from 15mm(1/2") to 100mm(4"). The Pipes are available in SDR 11 & SDR 13.5 pressure class and Fittings are available in SDR 11 pressure class. **HB CPVC** Fittings are produced as per SDR 11 meet the requirement of ASTM D2846 where as the pipes produced with SDR 11 & SDR 13.5 meet the requirement as per BIS Standard **IS : 15778 : 2007**, threaded inserts in the transition fittings are made from brass to withstand the chemical corrosion at the elevated temperature. The choice of the best raw material, the structural accuracy and the strict quality control gives a high degree of reliability.

HB CPVC Pipes & Fittings are being manufactured using one of the best CPVC **NSF CERTIFIED** compound from **Sekisui**, Japan.

Apart from having the same physical properties, SDR 11 & SDR 13.5 which are having different wall thickness and therefore, at any given temperature, they have different pressure ratings. For example :

Pipe Dimensions & Pressure Rating Chart as per IS : 15778 : 2007

Nominal Bore	Nominal Size	Nominal Outside Diameter	SDR - 11 Wall Thickness		Working Pressure at		SDR - 13.5 Wall Thickness		Working Pressure at	
			Minimum	Maximum	27° C	82° C	Minimum	Maximum	27° C	82° C
inch	mm	mm	mm		kg/cm ²		mm		kg/cm ²	
½	15	15.9	1.7	2.2	28.10	7.0	1.4	1.9	22.50	5.6
¾	20	22.2	2.0	2.5	28.10	7.0	1.7	2.2	22.50	5.6
1	25	28.6	2.6	3.1	28.10	7.0	2.1	2.6	22.50	5.6
1¼	32	34.9	3.2	3.7	28.10	7.0	2.6	3.1	22.50	5.6
1½	40	41.3	3.8	4.3	28.10	7.0	3.1	3.6	22.50	5.6
2	50	54.0	4.9	5.5	28.10	7.0	4.0	4.6	22.50	5.6

Features & Benefits

Excellent resistance to corrosion & chemical attacks : **HB CPVC** Pipes give excellent resistance even under the harshest of water conditions so there are none of the purity worries from corrosion of metal of pipe.

Tough, Rigid Material : **CPVC** Pipe has a much higher strength than other thermo plastics used in plumbing. **CPVC** Pipe has a higher pressure bearing capability. This leads to be same flow rate with smaller pipe.size.

Fire Resistance : Due to presence of chlorine which is self extinguish in nature limited Oxygen index of 60, hence **CPVC** does not support combustion in air.

Simple & Leak Proof Joints : Jointing is done with HB Special Solvent Cement for 100% leak proof jointing. HB Solvent Cement is a single step fast setting solvent. The Bonding takes place due to chemical fusion of the material surface.

Lower Bacterial Growth : Bacteria build up with **CPVC** is far lower than with alternative piping materials - Copper, Steel, and other thermoplastics.

Unaffected by Chlorine in the Water : Some material may be adversely affected by chlorine contained in the water supply, which can cause breakdown of the polymer chain and potential leak of the other Thermo Plastic Pipes, where as **CPVC** Pipe remains unaffected by chlorine in the water.

No Scale, Pit or Leach Formation : Even after years of use in the most aggressive conditions, **CPVC** Pipe won't corrode, standing upto low PH water, it maintains full water carrying capacity because its scale resistance means no build up to cause water pressure loss.

Low Thermal Conductivity : The thermal conductivity of **HB CPVC** Pipes & Fittings is quite low as compare to Metal Pipes & Fittings. Since **CPVC** is a bad conductor of Heat, it results in low heat loss during flow of Hot water. **CPVC** Pipes has a lower coefficient of thermal expansion than other alternative.

ISI Marked : **HB CPVC** Pipes are duly **ISI (IS 15778: 2007)** Marked. Our products are tested and certified by Bureau of Indian Standards.

Tested & Approved Product : Apart from regular batch-wise testing of our finished products at our in-house Testing & Research Centre, we got our product tested from **CIPET** (Central Institute of Plastic Engineering & Technology) Lucknow, Bhopal & Amritsar. This helps us in maintaining consistent and regular improvement in the quality of our products.

Fields & Applications

CPVC Pipes & Fittings used for **Hot & Cold** water applications in homes, apartments, hotels, resorts, hospitals, high & low raise buildings, corporate & commercial houses, academic institutes etc,