

The Right Choice

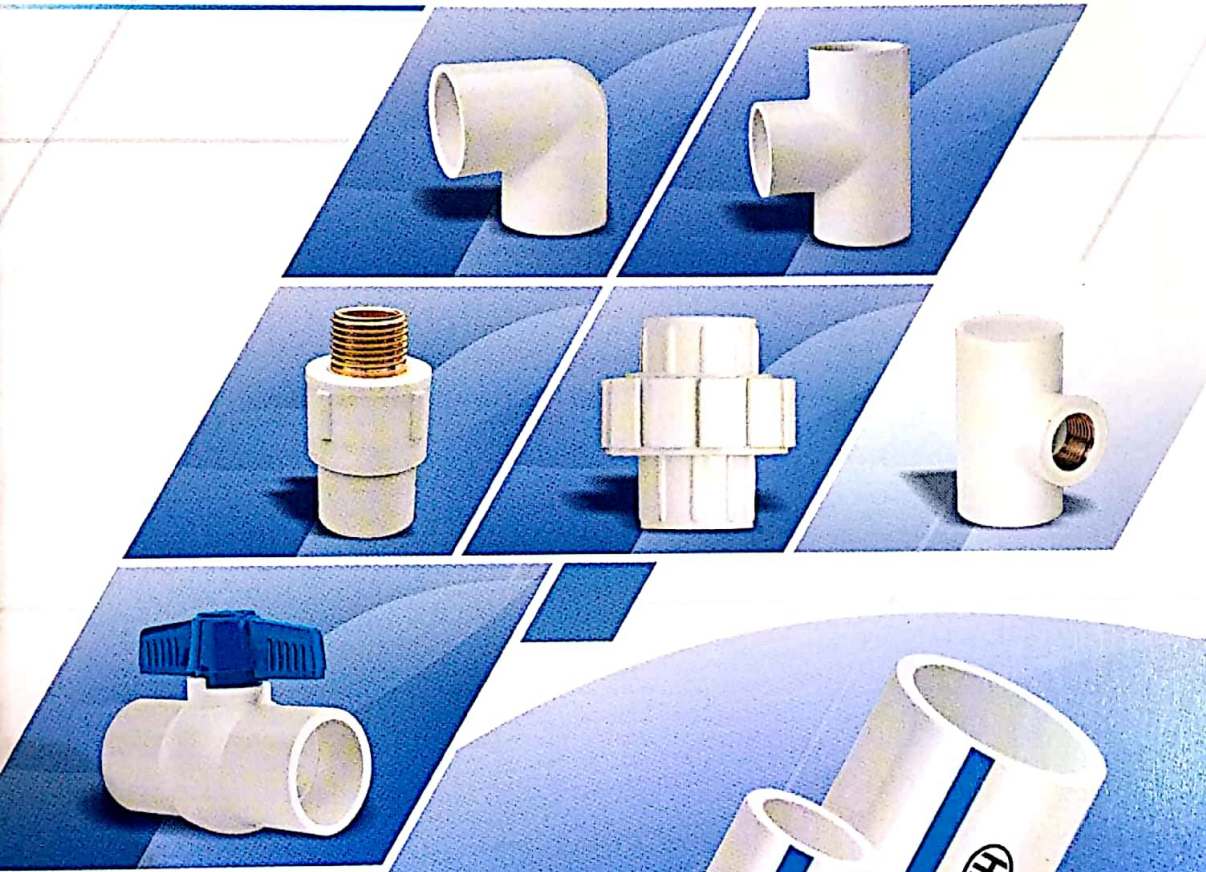


Connecting Your Water Supplies
SINCE 1976

UPVC

PIPES & FITTINGS

CATALOGUE
— cum —
PRICE LIST
G-25/09/2019



**An ISO 9001:2015
Certified Company**

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 **BEST SUITED FOR
COLD WATER
DISTRIBUTION**  **LEAD FREE**



Introduction

On behalf of **HB GROUP**, it gives us immense pleasure to take this opportunity to welcome all our respected partners 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 production, 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.

Rigid Polyvinyl Chloride (UPVC) Pipes

for Potable Cold Water Distribution Supplies as per ASTM D 1785

HB 'LEAD FREE' high pressure **UPVC Solvent Weld Plumbing System** is safe, long lasting & cost effective for potable water distribution. Both Pipes & Fittings made from poly vinyl chloride. Pipes are produced from size 15mm(1/2") to 100mm(4"). The Pipes are available in SCHD-40 & SCHD-80 pressure class & Fittings are available in SCHD-80 pressure class as per ASTM D2467. Both class of Pipes are produced as per ASTM D1785 where as the fittings produced with SCHD-80 meet the requirement derived from ASTM D467, threaded inserts in the transition fittings are made from brass to withstand the chemical corrosion at the elevated temperature. The choice of the raw material, the structural accuracy and the strict quality control gives a high degree of reliability.

UV Resistant : **HB UPVC** Pipes & Fittings are UV resistant offering better resistance to Ultra Violet Degradation, thus suitable for Potable (drinking) water.

HB UPVC Pipes & Fittings are being manufactured using best PVC resin from **RELIANCE INDUSTRIES LIMITED** & other chemicals from **BAERLOCHER's, DUPONT & INDOFIL INDUSTRIES.**

Apart from having the same physical properties, SCHD-40 & SCHD-80 which are having different wall thickness and therefore, at any given temperature, they have different pressure ratings. For example :

Pressure Rating at 23°C - for Solvent Weld Pipes as per ASTM D1785

SIZE		Average OD	PIPE SCHEDULE 40			PIPE SCHEDULE 80		
			Minimum Wall Thickness	Maximum Work Pressure at 23°C	Burst Pressure	Minimum Wall Thickness	Maximum Work Pressure at 23°C	Burst Pressure
inch	mm	mm	mm	kg/cm ²	kg/cm ²	mm	kg/cm ²	kg/cm ²
½	15	21.34	2.77	42.22	134.30	3.73	59.76	191.30
¾	20	26.67	2.87	33.75	108.29	3.91	48.54	154.69
1	25	33.40	3.38	31.61	101.26	4.55	44.26	142.05
1¼	32	42.16	3.56	26.00	83.00	4.85	36.61	116.76
1½	40	48.26	3.68	23.25	74.54	5.08	33.04	106.15
2	50	60.32	3.91	19.68	62.61	5.54	28.14	95.65
2½	65	73.02	5.16	21.11	68.22	7.01	29.57	90.65
3	80	88.90	5.49	18.25	59.04	7.62	26.00	84.33
4	100	114.30	6.02	15.50	49.97	8.56	22.54	73.11

Key Properties & Benefits

Stronger, Resilient & Light Weight : **HB UPVC** Plumbing System is highly resilient & tough with good mechanical strength & high impact resistance. The Pipes & Fittings having very light weight, which gives highest benefits to the end user in terms of transportation, installation & long service life.

Fire Resistance : Due to presence of chlorine which is self extinguish in nature. Thus in air **UPVC** does not support combustion.

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

Non Conductive : **HB UPVC** is a non conductor of electricity & is therefore not subject to galvanic or electrolytic action.

Easy & Reliable Installation : **HB** Products are manufactured on world class Machines with Latest Technology. Our pipes are manufactured on **Theysohn Extruder** and fittings on **Ferromatik Molding Machines**. These are the best & latest technology based Machines in its segment and is known for manufacturing accurate and consistent product quality.

Leak Proof Jointing : We recommend **HB UPVC** Solvent Cement for 100% leak proof jointing. Our **HB** Solvent Cement is a single step fast setting solvent. The bonding takes place due to chemical fusion of material surface.

Lead Free : **HB UPVC** Pipes & Fittings are made with special lead-free compound to ensure conformity to the latest environment norms. The lead—free compound is non-toxic and safe for drinking water purpose.

Chemical Resistance : **HB UPVC** Pipes & Fittings are Excellent Chemical Resistance and can withstand salty and aggressive water condition with variations in PH value. This eliminates both electrolytic and galvanic corrosion, leading to water purity over the entire lifespan of the Piping system.

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

HB UPVC Pipes & Fittings are meant for use in Cold Water Distribution & Plumbing in buildings, industrial process lines, swimming pools, dye plants, chrome, zinc plating & tanning plants, salt water lines, corrosive fluid transportation, sugar, paper & distillery industries.