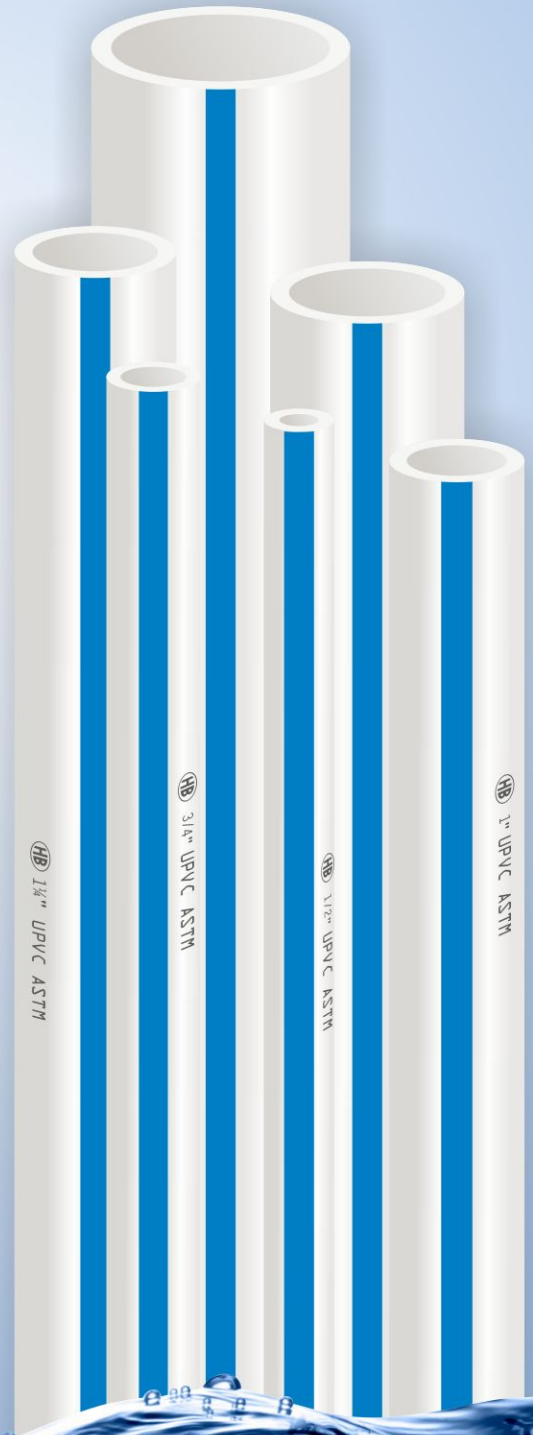


The Right Choice!



Connecting Your Water Supplies
SINCE 1976



UPVC
Pipes & Fittings



BEST SUITED FOR
COLD WATER
DISTRIBUTION



LEAD FREE



ABOUT US

Established in 1976, **HB Group** is the success story of two brothers, Narinder Singh Maingi & Charanjit Singh Maingi, who grew to be successful entrepreneurs. For over 35 years now HB has **pioneered** the world of Pipe Fittings. Spread over 4 manufacturing units with a combined area of about 2,50,000 sq. ft. HB is the **largest manufacturer** of ISI Marked GI Fittings in India today. The foundation of HB Group is laid on hardwork, perseverance, passion & above all the purpose to **serve the nation** with quality products.

HB is a customer orientated company, with focus on becoming the 'go to' people for all kinds of pipes, pipe fittings and valves. HB launched **NB Brand Premium Quality ISI Marked Pipe Fittings** in 1998 & **HBI Brand Extra Heavy Pipe Fittings** in 2002. The year 2007 saw the launch of **HB Valves & Cocks**. In 2012, we proudly announced the introduction of **HB CPVC & UPVC : Pipes & Fittings**.

HB UPVC PIPES & FITTINGS

HB UPVC Pipes & Fittings are made for **life time trouble free** service. HB CPVC Pipes & Fittings are lead free, possess **high pressure** handling capacity & the smooth inner surface ensures **high flow** rate. Its well engineered design & formula gives it **great strength** at a lighter weight & enables an **easy installation**.

FIELDS OF APPLICATION :

HB Brand UPVC Pipes & Fittings are used in **COLD** water distribution systems for :

- Bathrooms • Kitchens • Toilets • Swimming Pools • Gardens of Residential & Commercial buildings
- Salted water lines • Sugar & Paper Industries • Dye Plants • Chrome, Zinc Plating & Tanning Industries

FEATURES & BENEFITS :

HB Brand UPVC Pipes & Fittings are

- Lead Free • UV Resistant • Fire Resistant • Easy to Install • Durable • Cost Effective • Environmental Impact
- Chemical and Corrosion Resistant • Low Thermal Conductivity • Maximum Flow Rate

AVAILABLE SIZES :

For Pipes

- SCH 40** : ½" (15 mm) to 2" (50 mm)
SCH 80 : ½" (15 mm) to 2" (50 mm)
 As per ASTM D1785

For Fittings

- SCH 80** : ½" (15mm) to 2" (50mm)
 As per ASTM D2467

PRESSURE RATING AT 23°C - FOR SOLVENT WELD PIPES AS PER ASTM D-1785

Size (inch)	Size (mm)	Avg. OD (inch)	Avg. OD (mm)	PIPE SCHEDULE 40				PIPE SCHEDULE 80			
				Min. Wall Thick (in)	Min. Wall Thick (mm)	Max. Work Pre. at 23°C PSI	Max. Work Pre. at 23°C (kg/cm ²)	Min. Wall Thick (in)	Min. Wall Thick (mm)	Max. Work Pre. at 23°C PSI	Max. Work Pre. at 23°C (kg/cm ²)
1/2	15	0.840	21.34	0.109	2.77	600	42.19	0.147	3.73	850	59.76
3/4	20	1.050	26.67	0.113	2.87	480	33.75	0.154	3.91	690	48.51
1	25	1.315	33.40	0.133	3.38	450	31.64	0.179	4.55	630	44.29
1¼	32	1.660	42.16	0.140	3.56	370	26.01	0.191	4.85	520	36.56
1½	40	1.900	48.26	0.145	3.68	330	23.20	0.200	5.08	470	33.04
2	50	2.375	60.32	0.154	3.91	280	19.69	0.218	5.54	400	28.12



FULL RANGE OF HB UPVC PIPES & FITTINGS



PIPE SCHEDULE 40



PIPE SCHEDULE 80



Coupler



Elbow 90°



Reducing Elbow 90°



Tee



Reducing Tee



Cross Tee



Reducer



Reducer Bushing



Union



End Cap [Plain]



End Plug (Threaded)



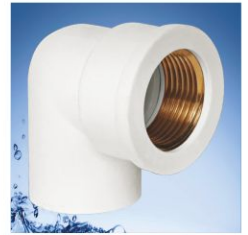
Male Adapter
Plastic Threads (MAPT)



Female Adapter
Plastic Threads (FAPT)



Female Threaded Tee
[Brass Insert]



Female Threaded
Elbow [Brass Insert]



Male Adapter
Brass Threads (MABT)



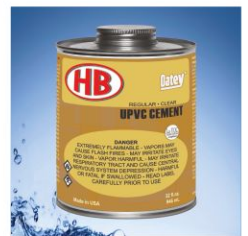
Female Adapter
Brass Threads (FABT)



Ball Valve
[Solvent Weld]



Tank Adapter



Regular Clear
Solvent



JOINING INSTRUCTIONS

- Observe all safety precautions.
- Systems should be installed in a good and workmanlike manner consistent with normal industry standards and in conformance with all local plumbing, fire and building code requirements. Failure to follow proper installation practices, procedures or techniques can result in system failure, property damage or personal injury.
- Pipes and fittings should be used for their intended purpose as defined by local plumbing and building codes and the applicable ASTM standards.
- Follow manufacturers' instructions for all related products.

1. CUT PIPE : • Cut pipe square. As joints are sealed at the base of the fitting socket. An angled cut may result in joint failure. • Acceptable tools include miter saw, mechanical cut off saw or wheel cutter. Wheel type cutters must employ a blade designed for plastics.

2. REMOVE BURR AND BEVEL : • Remove all burr from inside and outside of pipe with a knife-edge, file, or deburring tool. Chamfer(bevel) the end of the pipe 10° -15° **CLEAN :** • Remove surface dirt, grease, or moisture with a clean dry cloth.

3. DRY FIT : • With light pressure, pipe should go one third to one half of the way into the fitting socket. Pipes and fittings that are too tight or too loose should not be used.

4. CEMENT : Apply a full even layer of cement to the outside of a pipe and medium layer of cement to the inside of a fitting.

5. JOIN PIPE AND FITTINGS : • Assemble pipe and fitting socket till it contacts socket bottom. Give pipe a quarter turn. Hold pipe and fitting together until the pipe does not back out. • Remove excessive cement from the exterior A properly made joint will show a continuous bead of cement around the perimeter.



H B METALS

Opp.Transport Nagar, Bulandpur Road, Bye Pass, Jalandhar - 144 004 (Punjab) INDIA
Phones : +91-181-2601116 - 118 Fax : +91-181-2601119 Email : hb_metals@yahoo.co.in, info@hbgroup.in

www.hbgroup.in