LEAD FREE
UV STABILIZED

- Easy to handle, install and replace
- Cost effective
- Rust-proof and non- corrosive
- Fire resistant
- Non-conductive
- Do not get easily affected by acids, alkalis, alcohol, salt solutions etc.
- Low thermal conductivity
- Non-toxic & odourless

JAS-ANZ MAX

An 9001 : 2008 Company

NATRAJ®

uPVC PLUMBING PIPES

FOR HIGH PRESSURE WATER PLUMBING SYSTEMS

lifelines, not just pipelines

uPVC PIPES AND FITTINGS
(BLUE THREADED)

ASTM D 1785
Threaded as per IS 1239 (Part-I)
½"(15mm) – 2"(50mm)

uPVC BLUE THREADED PLUMBING PIPES as per ASTM D 1785. These pipes are threaded as per IS : 554 and to match with G.I Pipes as per IS 1239 (Part I). These are available in thickness of 3 types (Schedule 40, 80 & 120) and in sizes ranging from ½" (15mm) dia to 2" (50mm) dia.

uPVC PIPES AND FITTINGS
(SOLVENT CEMENT TYPE)

ASTM D 1785
½"(15mm)–2"(50mm)

uPVC PIPES SUITABLE FOR SOLVENT CEMENT TYPE JOINTING as per ASTM D 1785. These pipes are for those who like superior solvent cement jointing techniques, which reduce jointing time as well as costs. Their sizes, pressure and fittings are similar to the Blue Threaded Plumbing pipes. uPVC moulded fitings as per ASTM D 2467 are available for these pipes.

APPLICATIONS

- Building Plumbing
- Water Distributor Mains
- Swimming Pool
- Salt Water Lines
- Pipes for Hand Pumps
- Dye Houses, Plating Industry
- Sugar, Paper & Breweries
- Coal Washing & Ash Handling
- Aggressive / Corrosive Fluid Transportation etc

JOINTING METHODS

Threaded Jointing:

Takes almost 30% less time than metal pipes. Can be jointed with metal pipes and fittings without any problem. Special equipment is not required. Use of Teflon tape recommended to avoid damage & subsequent leakage.

Solvent Cementing:

Mating produces a fusion of strength equal to that of the pipe. Solvent cementing results in formation of jointless single fused pipe line from source to delivery. Natraj solvent cement has high viscosity, stability excellent bonding performances and free from gelation. Thixotropic, it consists substantiality of solventsthat swell unplasticised PVC resins.

NATRAJ uPVC PIPE AS PER ASTM D 1785

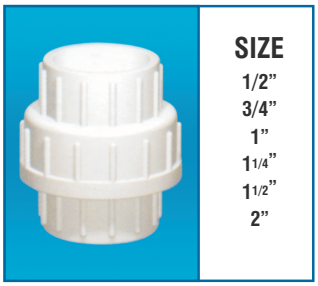
Nominal Sizes in 'inches'	Mean outside diameter in mm		Schedule 40			Schedule 80			Schedule 120		
			Working pressure in Kg/cm²	Wall thickness in mm		Working pressure in Kg/cm²	Wall thickness in mm		Working pressure in Kg/cm²	Wall thickness in mm	
	Min	Max		Min	Max		Min	Max		Min	Max
1/2	21.2	21.4	21.2	2.8	3.3	29.3	3.7	4.2	35	4.3	4.9
3/4	26.6	26.8	16.6	2.9	3.4	23.8	3.9	4.4	27	4.3	4.9
1	33.3	33.5	15.5	3.4	3.9	21.7	4.6	5.1	25	5.1	5.7
1 1/4	42	42.3	12.8	3.6	4.1	18	4.9	5.4	21	5.5	6.1
1 1/2	48.1	48.4	11.4	3.7	4.2	16.2	5.1	5.7	19	5.7	6.4
2	60.2	60.5	10.4	3.9	4.4	14	5.5	6.2	16.2	6.4	7.1

Note:

1. For Push type joints i.e. Solvent Cement type jointing the working pressure mentioned above should be doubled.
2. The above mentioned working pressure is calculated at working temperature of 70° F. To obtain working pressure for higher temperature the respective working temperature should be multiplied with corresponding correction factor.

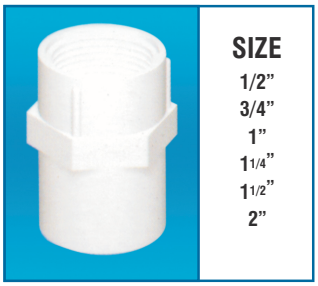
uPVC FITTINGS AS PER ASTM-D-2467

Union



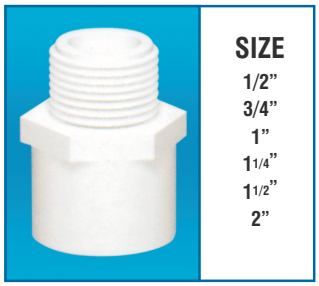
SIZE
1/2"
3/4"
1"
1 1/4"
1 1/2"
2"

FTA (Plastic)



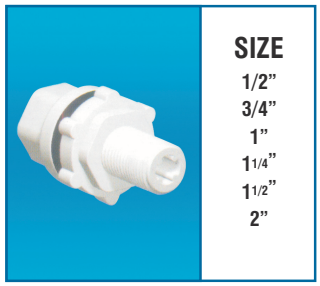
SIZE
1/2"
3/4"
1"
1 1/4"
1 1/2"
2"

MTA (Plastic)



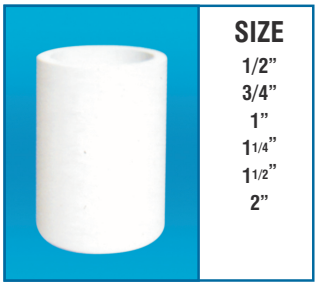
SIZE
1/2"
3/4"
1"
1 1/4"
1 1/2"
2"

Tank Connector



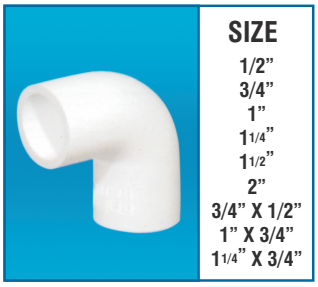
SIZE
1/2"
3/4"
1"
1 1/4"
1 1/2"
2"

Coupler



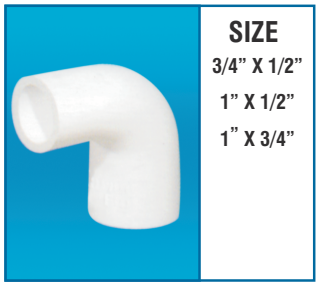
SIZE
1/2"
3/4"
1"
1 1/4"
1 1/2"
2"

Elbow 90°



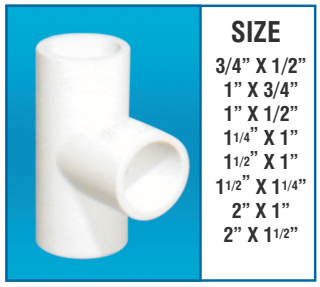
SIZE
1/2"
3/4"
1"
1 1/4"
1 1/2"
2"
3/4" X 1/2"
1" X 3/4"
1 1/4" X 3/4"

Reducing Elbow



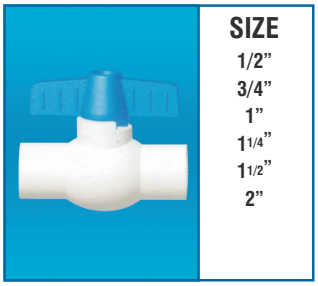
SIZE
3/4" X 1/2"
1" X 1/2"
1" X 3/4"

Reducing Tee



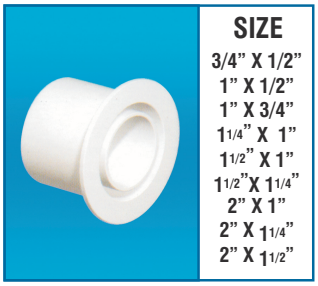
SIZE
3/4" X 1/2"
1" X 3/4"
1" X 1/2"
1 1/4" X 1"
1 1/2" X 1"
1 1/2" X 1 1/4"
2" X 1"
2" X 1 1/2"

Ball Valve



SIZE
1/2"
3/4"
1"
1 1/4"
1 1/2"
2"

Reducing Bush

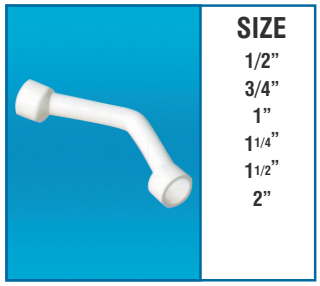


SIZE
3/4" X 1/2"
1" X 1/2"
1" X 3/4"
1 1/4" X 1"
1 1/2" X 1"
1 1/2" X 1 1/4"
2" X 1"
2" X 1 1/4"
2" X 1 1/2"

Reducer

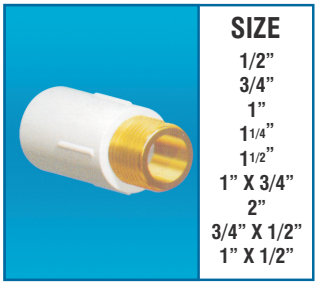
SIZE
3/4" X 1/2"
1" X 1/2"
1" X 3/4"
1 1/4" X 1"
1 1/2" X 1"
1 1/2" X 1 1/4"
2" X 1"
2" X 1 1/4"
2" X 1 1/2"

Bypass Bend



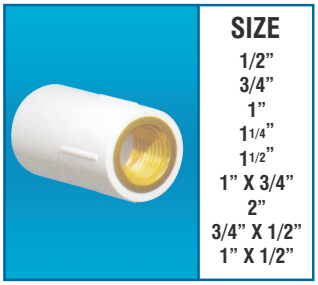
SIZE
1/2"
3/4"
1"
1 1/4"
1 1/2"
2"

MTA (Brass)



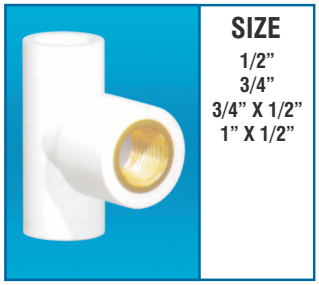
SIZE
1/2"
3/4"
1"
1 1/4"
1 1/2"
1" X 3/4"
2"
3/4" X 1/2"
1" X 1/2"

FTA (Brass)



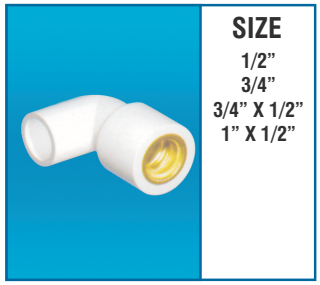
SIZE
1/2"
3/4"
1"
1 1/4"
1 1/2"
1" X 3/4"
2"
3/4" X 1/2"
1" X 1/2"

Female Threaded Tee (Brass)



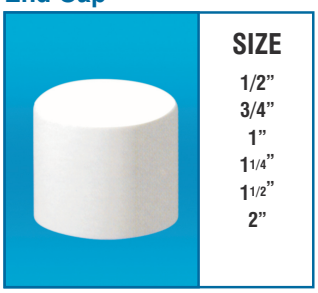
SIZE
1/2"
3/4"
3/4" X 1/2"
1" X 1/2"

Female Threaded Elbow(Brass)



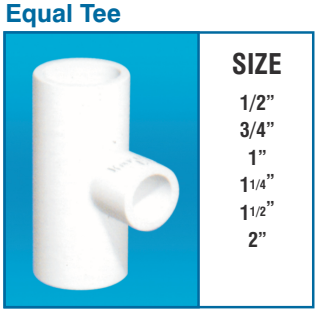
SIZE
1/2"
3/4"
3/4" X 1/2"
1" X 1/2"

End Cap



SIZE
1/2"
3/4"
1"
1 1/4"
1 1/2"
2"

Equal Tee



SIZE
1/2"
3/4"
1"
1 1/4"
1 1/2"
2"

Pipe Clip

SIZE
1/2"
3/4"
1"
1 1/4"
1 1/2"
2"

Solvent Cement (Heavy Duty)

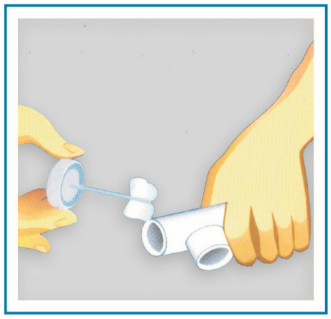
SIZE
32 OZ/946 ML TNS
16 OZ/473 ML TNS
08 OZ/237 ML TNS
04 OZ/118 ML TNS

SOLVENT WELD JOINING INSTRUCTIONS

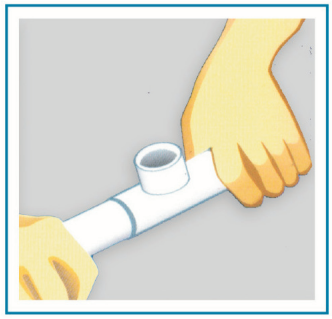
1 CUTTING

2 DEBURRING

3 ROUGHENING



4 SOLVENT CEMENTING



5 JOINTING

A product of

PRABHU POLY PIPES LTD.

An 9001 : 2008 Company

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