Supreme
People who know plastics best

RIGID PVC PRESSURE PIPES AND FITTINGS

Established in 1942, Supreme is the largest plastic processing company in India. It has eighteen hi-tech manufacturing plants across the country, which incorporates state-of-the-art manufacturing facilities and equipment. Supreme has been on forefront in developing a wide range of plastic piping products. Its portfolio today consists of more than 4000 variety of products and caters to various piping applications like-Irrigation, Water transportation, Borewell, Plumbing, SWR Drainage, Sewerage and Cable ducting. Due to its innovative range of products coupled with meticulous quality assurance, Supreme is referred to as **"People who know plastics the best"**.

The company believes in supplying only superior quality products, aimed at satisfying domestic and international customers. Supreme's view about high quality and advanced product range is supported by its state-of-the-art equipment installed at the plant and technical know how available from the strategic alliance with world leaders in plastic piping technology. The company is proud recipient of top exporter's awards in this range of product consecutively for many years.

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THE SYSTEM

Supreme offers an exhaustive range of uPVC pressure pipes and fittings. Pressure pipes are manufactured as per IS 4985: 2000 standard and are available in 20 mm to 400 mm sizes in different pressure class. Pipes with both types of joints i.e. solvent cement type and rubber seal type joints are available. Varieties of moulded fittings and wide range of handmade fittings are also available. Mouldad fittings are manufactured as per IS 7834 and fabricated fittings are manufactured as per IS 10124 as well as company standards. These pipes and fittings are used for variety of applications like, agriculture, irrigation, water supply, industrial process lines, swimming pools and fire fighting mains, etc. These pipes are superior to C.I., D.I.or R.C.C. pipes and offers number of advantages like-light weight, easy and fast installation, excellent corrosion and chemical resistance, high flow rates, long life and economy.

ADVANTAGES OF SUPREME RIGID PVC PIPES :

Odourless and hygienic : These pipes are most ideal for carrying drinking water as they do not subject to contamination.

High corrosion resistance : Being immune to chemical, electrolytic and galvanic action, these pipes are free from corrosion.

High chemical resistance : Pipes offer excellent resistance to acids, oxidizing agents, alkalis, oils and domestic effluents.

Smooth bore : Pipes have mirror smooth inside surface and hence better flow characteristics in comparison to AC, CI and GI pipes.

Self extinguishing quality : This eliminates need for fire resistant coatings.

Maintenance free : Corrosion resistance property of the PVC pipes, eliminates the need for painting or coating.

A view of quality assurance lab

Longer lasting : As these pipes are free from weakness caused by scale formation, rusting, weathering and chemical action, they lasts for a life time.

Economical : Apart from superiority over conventional pipes, Supreme PVC pipes are light in weight and hence they offer total economy in handling, transportation and installation.

PROPERTIES :

Hazen Williams constant : 150 (remains constant)
Specific gravity : 1.41 - 1.46
Coefficient of linear expansion : 5.4 x 10^{-5} mm / m / ^{0}C
Combined flexural and compressive strength : 600 - 650 kgf/cm^2
Impact strength at 20^{0}C : 3 Kgf/cm^2
Modulus of elasticity : 3 - 3.8 x 10^{4} Kgf/cm^2
Vicat softening point : 80^{0}C
Electrical resistance : 10^{14} ohm, cm

Dimensions of uPVC Pressure Pipes (IS 4985:2000 Extract)

Nominal Outside Diameter (D)	Tolerance on Outside Diameter	Wall Thickness (t) mm													
		Class 1 (PN) 2.5 kgf/cm²		Class 2 (PN) 4 kgf/cm²		Class 3 (PN) 6 kgf/cm²		Class 4 (PN) 8 kgf/cm²		Class 5(PN) 10 kgf/cm²		Class 6(PN) 12.5 kgf/cm²		Plumbing Pipes	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
20	+0.3	-	-	-	-	-	-	-	-	1.1	1.5	1.4	1.8	2.8	3.3
25	+0.3	-	-	-	-	-	-	1.2	1.6	1.4	1.8	1.7	2.1	2.9	3.4
32	+0.3	-	-	-	-	-	-	1.5	1.9	1.8	2.2	2.2	2.7	3.4	3.9
40	+0.3	-	-	-	-	1.4	1.8	1.8	2.2	2.2	2.7	2.8	3.3	3.6	4.2
50	+0.3	-	-	-	-	1.7	2.1	2.3	2.8	2.8	3.3	3.4	4.0	3.7	4.3
63	+0.3	-	-	1.5	1.9	2.2	2.7	2.8	3.3	3.5	4.1	4.3	5.0		
75	+0.3	-	-	1.8	2.2	2.6	3.1	3.4	4.0	4.2	4.9	5.1	5.9		
90	+0.3	1.3	1.7	2.1	2.6	3.1	3.7	4.0	4.6	5.0	5.7	6.1	7.1		
110	+0.4	1.6	2.0	2.5	3.0	3.7	4.3	4.9	5.6	6.1	7.1	7.5	8.7		
125	+0.4	1.8	2.2	2.9	3.4	4.3	5.0	5.6	6.4	6.9	8.0	8.5	9.8		
140	+0.5	2.0	2.4	3.2	3.8	4.8	5.5	8.3	7.3	7.7	8.9	9.5	11.0		
160	+0.5	2.3	2.8	3.7	4.3	5.4	6.2	7.2	8.3	8.8	10.2	10.9	12.8		
180	+0.6	2.6	3.1	4.2	4.9	6.1	7.1	8.0	9.2	9.9	11.4	12.2	14.1		
200	+0.6	2.9	3.4	4.6	5.3	6.8	7.9	8.9	10.3	11.0	12.7	13.6	15.7		
225	+0.7	3.3	3.9	5.2	6.0	7.6	8.8	10.0	11.5	12.4	14.3	15.3	17.6		
250	+0.8	3.6	4.2	5.7	6.5	8.5	9.8	11.2	12.9	13.8	15.9	17.0	19.6		
280	+0.9	4.1	4.8	6.4	7.4	9.5	11.0	12.5	14.4	15.4	17.8	19.0	21.9		
315	+1.0	4.6	5.3	7.2	8.3	10.7	12.4	14.0	16.1	17.3	19.9	21.4	24.7		
355	+1.1	5.1	5.9	8.1	9.4	12.0	13.8	15.8	18.2	19.6	22.6	24.1	27.8		
400	+1.2	5.8	6.7	9.1	10.5	13.5	15.6	17.8	20.5	22.0	25.3	27.2	31.3		
450	+1.4	6.5	7.5	10.3	11.9	15.2	17.5	20.0	23.0	24.8	28.6	30.5	35.1		

Note : 1) Sizes mentioned in red colour are not yet introduced.
2) Pipes are offered in Light Grey (LG) and/or Dark Grey (DG) colour in standard lengths of 6 meter. Pipes are offered either plain or socketed, based on diameter and class of pipe.
3) Ringtight pipes with integral rubber ring socket (Elastomeric joint) are available in 63mm to 315mm in 4,6 and 10 kgf/cm² pressure class.
4) Non standard wall thickness, length and colour can also be offered, if desired.
5) Prefix "PN" indicates Nominal Pressure i.e. working pressure .

HANDLING INSTRUCTIONS :

Pipes should be kept on an even surface while storing. They should be properly supported and should not be stacked for heights more than 1.5 m for longer durations.

While laying big pipelines provision should be made for expansion joints, air vents and proper anchorage.

Pipes or fittings should not be cleaned with solvent cement. Quality of solvent cement plays an important role and hence it is recommended to use good quality solvent cement only. **For large diameter and higher class pipes (6 Kgf/cm² and above) always use heavy duty solvent cement.** Very old, hard, semi-fluid solvent cement should not be used.

Installation of Supreme pipeline in the field

FRICTION LOSS CALCULATION :

Following Hazen William formula should be used for friction loss calculation.

$$\frac{hf}{L} = \frac{1.213 \times 10^{10} \times Q^{1.852}}{D^{4.87} \times C^{1.852}}$$

Where

hf - Head loss in m

L - Length of pipe section in m

Q - Discharge in litres / sec

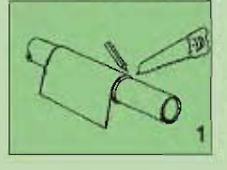
D - Internal diameter of pipe in mm

C - Hazen William constant 150
(For design purpose consider 140)

CONSUMPTION OF SOLVENT CEMENT :

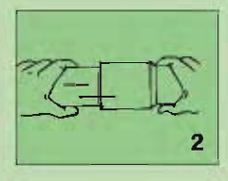
Diametar of pipe (mm)	20	25	32	40	50	63	75	90	110	140	160	180	200	225	250	280	315	355	400	450
Appx. no. of joints which can be made per liter of solvent cement	324	270	225	180	130	125	103	79	54	36	27	25	15	12	9	7	5	3	2	2

JOINING INSTRUCTIONS

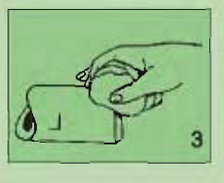


Cut the pipe as square as possible. Please ensure that fitment of pipe with socket of fitting is correct.

Total length of insertion of socket shall be marked on pipe (for most of the cases the pipe Inserted should be up to the marked line and in no case shall be less than 2/3rd of the pipe end up to the marked line.)

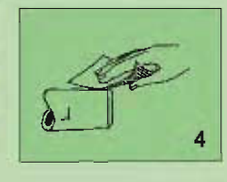


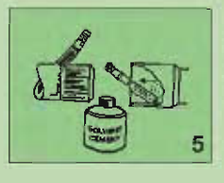
The pipe and the socket should be clean and dry. Dust, oil, water, grease etc. should be wiped out with dry cloth or cleaner from the surfaces to be coated with solvent cement.



Roughen the outside of the pipe and the inside of the socket using sand paper or piece of hacksaw blade up to the entry mark. Stir adhesive i.e. solvent cement throughly.

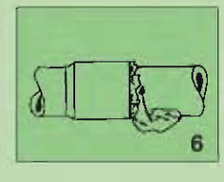
Apply a thick coat of solvent cement using a flat clean brush evenly on the inside of the socket mouth for full length of insertion and then on outside of the pipe end up to the marked line.





After application of solvent cement, insert the pipe within one minute into the socket. Hold the joint for few seconds and ensure that pipe does not come out of the fitting. Wipe off extra cement. Let it dry. Within 24 hours, your Supreme rigid PVC pipes are ready for use.

In case of big pipeline projects, it is recommended to refer our installation guide.



INJECTION MOULDED FITTINGS

SALIENT FEATURES :

General dimensions are conforming to IS 7834 - 87.

Wall thickness is designed to meet required working pressure.

Made to close dimensional tolerance.

Higher working pressure rating of 10 kgf/cm² for 20, 25 and 32 mm and 6 kgf/cm² for 40 mm and above sizes.

Availability of PN16 fittings.

COUPLER

Size in mm (ID)	Inch equivalent	Available Pressure Rating (PN)
20	1/2	10
25	3/4	10
32	1	10
40	1¼	6
50	1½	6, 16
63	2	1, 6, 16
75	2½	1, 6, 16
90	3	1, 6, 16
110	4	1, 6, 16
160	6	6

Application/Special note

These are used for joining two uPVC pipes.

Fabricated couplers are also available in 20 mm to 400 mm sizes in different pressure class.

ELBOW 90° PLAIN

Size in mm (ID)	Inch equivalent	Available Pressure Rating (PN)
20	1/2	3, 10
25	3/4	3, 10, 16
32	1	3, 10, 16
40	1¼	3, 6, 16
50	1½	3, 4, 6, 16
63	2	1, 2, 3, 4, 6, 16
75	2½	1, 2, 3, 4, 6, 16
90	3	1, 2, 3, 4, 6, 16
110	4	1, 2, 3, 4, 6, 16
140	5	4. 6
160	6	4, 6
180	7	6
200	8	4

Applications / Special note

These are used for short turns of 90°. These are not advisable on large pipeline involving high pressure.

Reducing elbow 32 x 25mm is also available.

In 50 and 63mm sizes elbow 45° are also available.

REDUCING ELBOW (H.W.)

Size in mm (ID)	Inch equivalent	Available Pressure Rating (PN)
32x25	1 X ¾	10

BEND 45°

Size in mm (ID)	Inch equivalent	Available Pressure Rating (PN)
20	1/2	16
25	3/4	16
32	1	16
40	1¼	16
50	1½	16
63	2	16
75	2½	16
90	3	16
110	4	16
200	8	4

ELBOW

Size in mm (ID)	Inch equivalent	Available Pressure Rating (PN)
20x½"	1/2	10
25x½"	3/4	10
25x¾"	¾	10
50x1½"	1½	16
63x2"	2	6
75x2"	2	6
75x2½"	2½	6
90x3"	3	6

Applications / Special note

These are used for short turns of 90° These are not advisable on large pipeline.

EQUAL TEE

Size in mm (ID)	Inch equivalent	Available Pressure Rating (PN)
20	1/2	3, 10
25	3/4	3, 10, 16
32	1	3, 10, 16
40	1¼	3, 6, 16
50	1½	3, 4, 6, 16
63	2	1, 2, 3, 4, 6, 16
75	2½	1, 2, 3, 4, 6, 16
90	3	1, 2, 3, 4, 6, 16
110	4	1, 2, 3, 4, 6, 16
140	5	4, 6
160	6	4, 6
180	7	6
200	8	4

Application/Special note

These are used for by-pass and taking equal size service line out of main line at 90°

In 20, 63, 75mm sizes tee with branch size threaded are also available.

Note : 1) Fittings are offered in Light Grey (LG) and Dark Grey (DG) colour. All the fittings shown in dark grey colour are in PN 16 pressure class.
2) Prefix "PN" indicates Nominal Pressure i.e. working pressure.
3) 1 kgf/cm² pressure class fittings are introduced as economical "Smart" range .

REDUCING TEE

Size in mm (ID)	Inch equivalent	Available Pressure Rating (PN)
25x20	3/4 X 1/2	10
32x20	1 X ½	10
32x25	1 X ¾	10
50x32	1½ X 1	6
75x63	2½ X 2	4
90x63	3 X 2	4
90x75	3 X 2½	4
110x75	4 X 2½	4
110x90	4 X 3	4
160x75	6 X 2½	4
160x110	6 X 4	4

Application/Special note

These are used for by-pass and taking lower diameter service line out of main line.

In 25 x 20 mm size tee with threaded branch is also available.

ONE SIDE THREADED TEE

Size in mm (ID)	Inch equivalent	Available Pressure Rating (PN)
20x½"	**1/2**	10
25x½"	**3/4**	10
25x¾"	**3/4**	10
63x2"	**2**	6
75x2½"	**2½**	6
90x3"	**3**	6

Application/Special note

These are used for by pass and branch is threaded to connect male threaded pipe/fitting.

CROSS TEE

Size in mm (ID)	Inch equivalent	Available Pressure Rating (PN)
63	2	6
75	2½	6
90	3	6

Application/Special note

These are used for by-pass and taking equal size service line on both side of main line.

AIR VALVE CHAMBER

Size in mm (ID)	Inch equivalent	Available Pressure Rating (PN)
110	4	4, 6, 10
140	5	4, 6, 10
160	6	4, 6, 10
200	8	4, 6, 10
250	10	4, 6, 10

Application/Special note

These are used for air valve protection.

MALE THREADED ADAPTOR (M.T.A.)

Size in mm (ID)	Inch equivalent	Available Pressure Rating (PN)
20	**1/2**	10
25	**3/4**	10, 16
32	**1**	10, 16
40	**1¼**	6, 16
50	**1½**	6, 16
63	**2**	6, 16
75	**2½**	6, 16
90	**3**	6, 16
110	**4**	6, 16
140	**5**	6
160	**6**	6

Application/Special note

These are used to connect a uPVC pipeline directly to a female threaded metal pipe and all types of valves taps, pumps etc. through a male portion.

FEMALE THREADED ADAPTOR (F.T.A.)

Size in mm (ID)	Inch equivalent	Available Pressure Rating (PN)
20	**1/2**	10
25	**3/4**	10, 16
32	**1**	10, 16
40	**1¼**	6, 16
50	**1½**	6, 16
63	**2**	6, 16
75	**2½**	6, 16
90	**3**	6, 16
110	**4**	6, 16
160	**6**	6

Application/Special note

These are used to connect a uPVC pipe line directly to a male threaded metal pipe.

Note . 1) Fittings are offered in Light Grey (LG) and Dark Grey (DG) colour. All the fittings shown in dark grey colour are in PN 16 pressure class.
2) Prefix **"PN"** indicates Nominal Pressure i.e. working pressure.
3) 1 kgf/cm² pressure class fittings are introduced as economical **"Smart"** range .

REDUCING MALE THREADED ADAPTOR (R.M.T.A)

Size in mm (ID)	Inch equivalent	Available Pressure Rating (PN)
75 X 63	2½ X 2	6
90 X 63	3 X 2	6
90 X 75	3 X 2½	6

Application/Special note

These are used to connect a uPVC pipe line directly to female threaded metal pipe.

REDUCING FEMALE THREADED ADAPTOR (R.F.T.A.)

Size in mm (ID)	Inch equivalent	Available Pressure Rating (PN)
25 X 20	¾ X ½	10, 16
32 X 20	1 X ½	10, 16
32 X 25	1 X ¾	10
75 X 63	2½ X 2	6
90 X 63	3 X 2	6
90 X 75	3 X 2½	6
110 X 90	4 X 3	6

Application/Special note

These are used to connect a uPVC pipe line directly to a metal pipe of ower diameter or vice-versa.

REDUCER

Size in mm (ID)	Inch equivalent	Available Pressure Rating (PN)
25x20	¾ X ½	10
32x20	1 X ½	10
32x25	1 X ¾	10
40x25	1¼ X ¾	6
40x32	1¼ X 1	6
50x32	1½ X 1	6
50x40	1½ X 1¼	6
63x32	2 X 1	6
63x40	2 X 1¼	6
63x50	2 X 1½	6
75x40	2½ X 1¼	6
75x50	2½ X 1½	6
75x63	2½ X 2	6
90x50	3 X 1½	6
90x63	3 X 2	6
90x75	3 X 2½	6
110x63	4 X 2	6
110x75	4 X 2½	6
110x90	4 X 3	6
140x75	5 X 2½	4
140x90	5 X 3	4
140x110	5 X 4	4, 6
160x90	6 X 3	4
160x110	6 X 4	4, 6
160x140	6 X 5	4
200x110	8 X 4	4, 6
200x160	8 X 6	4, 6

Application/Special note

These are used to convert the service line into small or extra small lines.

REDUCING BUSH

Size in mm (ID)	Inch equivalent	Available Pressure Rating (PN)
25x20	¾ X ½	10
32x20	1 X ½	10
32x25	1 X ¾	10,16
40x32	1¼ X 1	6, 16
50x32	1½ X 1	6
50x40	1½ X 1¼	6,16
63x32	2 X 1	16
63x40	2 X 1¼	6
63x50	2 X 1½	6,16
75x50	2½ X 1½	16
75x63	2½ X 2	6,16
90x50	3 X 1½	6,16
90x63	3 X 2	6
90x75	3 X 2½	6,16
110x63	3 X 2	6
110x75	4 X 2½	6
110x90	4 X 3	6,16
140x110	5 X 4	6
160x110	6 X 4	6

Application/Special note

These are used along with Coupler, Elbow, Tee, MTA, FTA, to convert service line or fitting to smaller line.

TAIL PIECE

Size in mm (ID)	Inch equivalent	Available Pressure Rating (PN)
63	2	6
75	2½	6
90	3	6
110	4	6
140	5	6
160	6	6
200	8	6

Application/Special note

These are used for connecting an air release valve / water fill way valve (C.I. / M.S. etc.) and any other flanged fitting (like strainer) Non -return valve, pumps etc with the pipe.

FLANGE

Size in mm (ID)	Inch equivalent	Available Pressure Rating (PN)
63	2	6
75	2½	6
90	3	6
110	4	6

Application/Special note

These are used alongwith Tail piece for connecting an air release valve, Non-return valve, pumps and metal pipes etc with the pipe.

Note . 1) Fittings are offered in Light Grey (LG) and Dark Grey (DG) colour. All the fittings shown in dark grey colour are in PN 16 pressure class.
2) Prefix "PN" indicates Nominal Pressure i.e. working pressure.
3) 1 kgf/cm² pressure class fittings are introduced as economical "Smart" range .

- All the dimensions unless otherwise specified are in mm

SERVICE SADDLE

Size in mm (ID)	Inch equivalent	Available Pressure Rating (PN)
40x½"	1¼	6
50x½"	1½	6
50x¾"	1½	6
50x1"	1½	6
63x½"	2	6
63x¾"	2	6
63x1"	2	6
75x½"	2½	6
75x¾"	2½	6
75x1"	2½	6
90x½"	3	6
90x¾"	3	6
90x1"	3	6
110x½"	4	6
110x¾"	4	6
110x1"	4	6
140x½"	5	6
140x¾"	5	6
140x1"	5	6
160x½"	6	6
160x¾"	6	6
160x1"	6	6
200x1"	8	6
200x1¼"	8	6
200x1½"	8	6
200x2"	8	6

Application/Special note

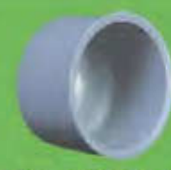
These are used for taping the large service main line into small feeder line for house hold purpose, and for connecting air release valves.

Threaded outlets of 20 mm (½") 25mm (¾"), or 32 mm (1") are offered with nut bolts and neoprene gasket.

In 200 mm size service saddles are provided with 32 mm (1") 40mm (1¼") 50mm (1½") and 63 mm (2) threaded out lets.

END CAP

Size in mm (ID)	Inch equivalent	Available Pressure Rating (PN)
20	1/2	10
25	3/4	10
32	1	10
40	1¼	6
50	1½	6
63	2	4, 6
75	2½	4, 6
90	3	4, 6
110	4	4, 6
140	5	4
160	6	6
180	7	6
200	8	6



END CAP PLAIN

END CAP THREADED

Application/Special note

These are used to close the end of pipe line.
Threaded end caps with inside threads (BSP threads) are available in 20, 25, 32, in 10 kgf / cm² , 40, 50, 63, 75, 90 and 110mm sizes in 6 kgf / cm².

Note : In case of threaded fitting avoid overtightening the joint with wrench as it may damage the uPVC threads.

SINGLE 'Y'

Size in mm (ID)	Inch equivalent	Available Pressure Rating (PN)
63	2	6

Application/Special note

These are used for by-pass and taking equal size service line out of main line at 45°

LEAKAGE COUPLER

Size in mm (ID)	Inch equivalent	Available Pressure Rating (PN)
63	2	6
75	2½	6
90	3	6
110	4	6
140	5	6
160	6	6
180	7	6
200	8	6

All the leakage couplers are available in 6", 9", and 12" standard length.

REPAIR COUPLER

Size in mm (ID)	Inch equivalent	Available Pressure Rating (PN)
63	2	6
75	2½	6
90	3	6
110	4	6
140	5	6
160	6	6
180	7	6
200	8	6
225	9	6
250	10	6
280	11	6

Application/Special note

These are used for by-pass and taking equal size service line out of main line at 45°

Regular : Recommended for smaller sizes and lower pressure class - Upto 110mm size in 4 and 6 kgf/cm². Upto 200mm sizes in 2.5 kgf/cm² Upto 75mm size in any pressure class.

Heavy Duty : Recommended for larger sizes and higher pressure class- 140mm and above sizes in 4,6,10 and 12.5 kgf/cm². 90mm and 110mm in 10 and 12.5 kgf/cm².

HANDMADE FITTINGS :

Besides, vast range of moulded fittings, an exhaustive range of handmade fitting is also offered. This includes Couplers, Bends, Short bends, Tee's, Reducing tee's, Cross tee's, Tail pieces, Reducers, Wye's, End caps, Leakage couplers etc. in 20mm to 400mm sizes in different pressure class.

Handmade division of the company is capable of making any tailor-made item as per customer standards and requirements. This implies a complete system solution made of the same material and hence customer need not to depend on any conventional product.

Note : 1) Fittings are offered in Light Grey (LG) and Dark Grey (DG) colour.
All the fittings shown in dark grey colour are in PN 16 pressure class.
2) Prefix "PN" indicates Nominal Pressure i.e. working pressure.
3) 1 kgf/cm² pressure class fittings are introduced as economical "Smart" range .

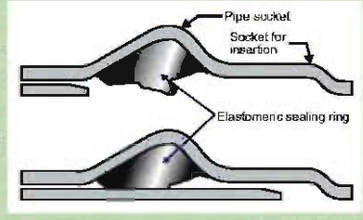
Supreme
People who know plastics best

RINGTIGHT RIGID PVC PIPES WITH SEALING RING

RINGTIGHT ADVANTAGES :

These pipes are specially designed and suitable to overcome difficulties experienced while joining solvent type pipes in higher diameter and offers following advantages.

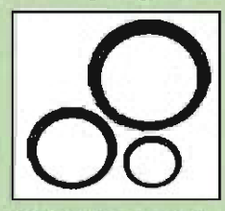
- As elastomeric sealing rings are used, requirements and precautions associated with quality and quantity of solvent cement are avoided.
- Unlike solvent type joints, curing, periods are not required and hence pipelines can be tested and brought in use immediately after jointing.
- Pipe laying and jointing is very easy, quicker and more reliable. Pipes up to 140 mm size can be jointed by hand force but large diameter pipes requires a jack.



- Joints are stable, watertight and can resist loads from horizontal and vertical tractive forces.
- Joints can accommodate angular deflection up to 2° and axial displacement resulting from thermal expansion and contraction, which eliminates the need of expansion joint as required in solvent type joints.
- Joints can be made in any climatic condition.

ABOUT ELASTOMERIC SEALING RING :

Unique design of sealing ring supplied with the pipe is made from high quality EPDM rubber to meet the practical requirements of sites, which add major contribution to installation efficiency. This seal can be safely and easily fitted in wet, cold and muddy conditions. These sealing rings offer following advantages.



1. Very low assembly force is required for joint.
2. It has big operational life. (As per manufacturer minimum life is about 50 years.)
3. These rings give greater reliability and joint tightness and can withstand pressures beyond that of specified testing pressure of the pipe.
4. Specially suitable for under ground application.
5. It is resistant to salt water, organic vegetable oils, dilute acids and alkalies normally found in waste water. It is also resistant to ozone, ultra violet radiation, bacteria, fungus and termites. In short Supreme ringtight pipes are designed to give long term satisfaction to the customer.

JOINTING INSTRUCTIONS :

1. Clean the inside of socket. Remove all traces of mud, dirt, grease, gravel and clean elastomeric sealing ring.
2. Form the ring into a heart shape by pinching a portion of ring from inside. Insert into the socket and release to seat into the groove.

3. Factory supplied pipes are provided with a 15° chamfer. Mark the insertion depth on spigot portion of pipe. Clean and apply lubricant to insertion depth before pushing into the socket.

4. If pipe need to be cut, it should be cut perpendicular to the axis of the pipe. Then it should be chamfered properly.
5. Align the socket and spigot correctly in the horizontal and vertical planes (before insertion, ensure that no sand or dirt adheres to the lubricated surface of the pipe). Care should be taken that the spigot end is inserted in the socket at the correct angle.

6. Push the spigot into the socket until it reaches the depth of entry mark, do not over insert. This must be done manually. Use a steel crow bar if necessary. Protect the pipe with wooden block. Insertion of spigot end inside the socket should be at the correct angle.

7. In case of large diameter pipes, if crow bar does not give sufficient leverage, use of a jointing jack may be helpful.

- Any specification can change without prior notice.
- All information contained in this literature is given in good faith and believed to be accurate and reliable. But because of many factors which may be outside our knowledge and control and affect the use of the product, no warranty is given or is to be implied with respect to such information, nor do we offer any warranty of immunity against patent infringement. No responsibility can be accepted for any error, omissions or incorrect assumptions.

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