

VECTUS[®]

Powered by **WAVIN**

*India ki
Waterline!*

PPR PIPING SYSTEM



For Hot & Cold Water Applications



15801

PPR Piping System

Vectus PPR pipes and fittings are manufactured using Polypropylene - Random Copolymer (PP-RC), which is considered the most reliable polymer in the piping industry. Vectus PPR pipes and fittings are physically strong, hygienic, safe and non-carcinogenic. The physio-chemical features of PPR and fusion welding ensures a perfect seal even under the most difficult conditions. These pipes are manufactured as per IS 15801 and are available in PN 6, PN 10, PN 16 and PN 20.

- The available range of pipes and fittings varies from 16 mm to 160 mm.
- The pipes & fittings are available in 2 different colours:



Features



Can withstand up to 95°C



Low on Sound



Economical



Low Thermal Expansion



Durable

Applications



Hot & Cold Plumbing



Transference of Drinking Water



Residential Purpose



Radiator Heating



Pharma & Compressed Air Lines



Transference of Corrosive & Chemical Fluid

HSN CODE : 3917



PPR PIPES

SDR 6 PN 20: Available in length starting from 1 to 3 Mtrs.

Size (mm): 16, 20, 25, 32, 40, 50, 63, 75, 90, 110, 160

SDR 7.4 PN 16: Available in length starting from 1 to 3 Mtrs.

Size (mm): 16, 20, 25, 32, 40, 50, 63, 75, 90, 110**, 160

SDR 11 PN 10: Available in length starting from 1 to 3 Mtrs.

Size (mm): 20, 25, 32, 40**, 50, 63, 75, 90, 110, 160

SDR 17.5 PN 6: Available in length starting from 1 to 3 Mtrs.

Size (mm): 32, 40, 50**, 63, 75, 90, 110**, 160



PPR Submersible Pipe

Available in lengths of 3 Meters

Grades

•Light •Economy

Sizes: 32, 40, 50, 63, 75, 85, 110

Female Adapter Brass Threaded - FABT



16x1/2"	20x1/2"	20x3/4"	25x1/2"	25x3/4"
25x1"	32x1/2"	32x3/4"	32x1"	32x1 1/4"
40x1"	40x1 1/4"	40x1 1/2"	50x1 1/4"	50x1 1/2"
63x2" 75x2 1/2" 90x3" 110x4"				

Male Adapter Brass Threaded - MABT



16x1/2"	20x1/2"	20x3/4"	25x1/2"	25x3/4"
25x1"	32x1/2"	32x3/4"	32x1"	32x1 1/4"
40x1"	40x1 1/4"	40x1 1/2"	50x1 1/4"	50x1 1/2"
63x2" 75x2 1/2" 90x3" 110x4**				

Female Elbow Brass Threaded - FEBT



16x1/2"	20x1/2"	20x3/4**	25x1/2"
25x3/4"	25x1"	32x1/2"	32x3/4"
32x1 1/4" 32x1" 40x1 1/4"			

Male Elbow Brass Threaded - MEBT



16x1/2"	20x1/2"	20x3/4"	25x1/2"	25x3/4"
25x1"	32x1/2"	32x3/4"	32x1"	
32x1 1/4** 40x1 1/4"				

End Cap



16	20	25	32	40	50	63
75 90 110 160						

Coupler



16	20	25	32	40	50	63
75 90 110 160						

Tank Connector



20 25 32 40 50 63

Elbow 90°



16 20 25 32 40 50 63 75 90 110 160

Cross Tee



20 25 32 40

Ball Valve



20 25 32 40 50 63 75 90 110

Reducing Tee



20x16x20	25x20x25	32x20x32	32x25x32
40x20x40	40x25x40	40x32x40	50x20x50
50x25x50	50x32x50	50x40x50	63x20x63**
63x25x63	63x32x63	63x40x63**	63x50x63
75x25x75**	75x32x75	75x40x75**	75x50x75**
75x63x75	90x32x90	90x40x90	90x50x90
90x63x90	90x75x90	110x25x110	110x32x110**
110x40x110	110x50x110	110x63x110	
110x75x110	110x90x110	160x50x160	
160x63x160**	160x90x160	160x110x160	

Top Loading Ball Valve



32 40 50 63
75 90 110

Thread Plug



3/4" 1"

Pipe Clip



20 25 32 40 50 63

Elbow 45°



20 25 32 40

Ball Valve-Heavy Duty (with Brass Ball)



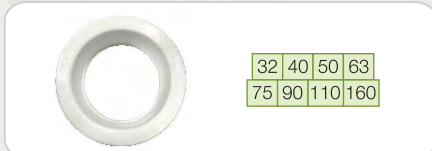
20**	25**	32**	40**
50**	63**	90**	110

Reducer Coupler



20x16	25x16**	25x20	32x16
32x20	32x25	40x20	
40x25	40x32	50x20	
50x25	50x32	50x40	
63x32	63x40	63x50	
90x32	90x40	90x50	
90x63	90x75	110x25	
110x32	110x40	110x50	
110x63	110x75	110x90	
160x75	160x90	160x110**	

Flange Core



32 40 50 63
75 90 110 160

Long / Short Plug



1/2"

Union



20 25 32 40 50 63

Gate Valve



20** 25 32 40

Male Tee Brass Threaded MTBT



16x1/2"	20x1/2"	20x3/4"	25x1/2"	25x3/4"
25x1"	32x1/2"	32x3/4"	32x1"	
32x1 1/4"	40x1 1/4"			

Reducer Elbow



20x16	25x20	32x20	32x25
40x20**	40x25	40x32	50x25
50x32	50x40**	63x20	63x25
63x32	63x40**	90x40	

Equal Tee



16 20 25 32 40 50 63 75 90 110 160

Flange Coupling



32** 40 50 63 75

Saddle



90x32** 110x32**

Female Tee Brass Threaded FTBT



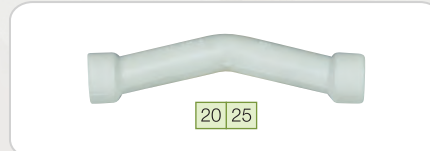
16x1/2***	20x1/2"	20x3/4"	25x1/2"
25x3/4"	25x1"	32x1/2"	32x3/4"
32x1"	32x1 1/4"	40x1 1/4"	

Reducing Socket



25x20	32x20	32x25	40x20**
40x25	40x32	50x20**	50x25
50x32	50x40**	63x25**	63x32
63x40**	63x50	75x32	75x40
75x50	75x63	90x50	90x63

Cross Over



20 25

Welding Matrices (Dies)



16, 20, 25, 32, 40, 50, 63, 75, 90, 110

Hole Repair Matriz & Bar



7x11

Polyfusion Device



Pipe Cutter



Step-1



Measure and cut the pipe perpendicular to the pipe axis.

Step-2



Clean the socket heater and pipe with dry cloth. Welding machine should be heated upto 260°C.

Step-3



Push pipe and the socket of fitting into the heater in axial direction.

Step-4



After heating period, remove the fitting & pipe end from the heater and quickly join together in the axial direction.

Welding Process

1. Assemble and tighten the cold welding tools manually.
2. Before fusing distribution blocks, where two connections are welded at the same time, place the welding tool into the corresponding holes of the heating surface.
3. All welding tools must be free from impurities. Check if they are clean before assembling.
4. Place the welding tools on the welding device. Ensure that there is full surface contact between the welding tool and the heating surface.
5. Plug in the welding device. Depending on the ambient temperature, it takes 5-15 minutes to heat up the heating surface.
6. The heating up process is finished, when the temperature pilot light is switched on.
7. During the heating up phase tighten the welding tools carefully with the allen key. Take care that the tools are completely on the heating surface. Never use pliers or any other unsuitable tools, as this will damage the coating of the welding tools.
8. The necessary temperature to weld PPR-C system is 260°C.

Attention: First welding - two minutes after reaching the welding temperature.



OUR SALES & SUPPORT NETWORK

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