

VECTUS®

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*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



Anti Bacterial



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 1/2"	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 1/2"	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

Thread Plug



3/4" 1"

Long / Short Plug



1/2"

Equal Tee



16 20 25 32 40 50 63 75 90 110 160

Elbow 90°



16 20 25 32 40 50 63 75 90 110 160

Pipe Clip



20 25 32 40 50 63

Union



20 25 32 40 50 63

Flange Coupling



32** 40 50 63 75

Cross Tee



20 25 32 40

Elbow 45°



20 25 32 40

Gate Valve



20** 25 32 40

Saddle



90x32** 110x32**

Ball Valve



20 25 32 40 50 63 75 90 110

**Ball Valve-Heavy Duty
(with Brass Ball)**



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

**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"

**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 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

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**

Reducer Elbow



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

Reducing Socket



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

Top Loading Ball Valve



32 40 50 63
75 90 110

Flange Core



32 40 50 63
75 90 110 160

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.



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