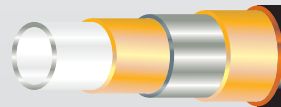


VECTUS[®]

Powered by **WAVIN**

*India ki
Waterline!*

COMPOSITE PIPING SYSTEM



VECTUS



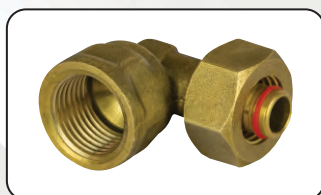
Vectus Composite Piping System

Vectus PE-AL-PE five-layer Composite pipe is composed of an aluminium core encased in an inner and outer layer of Polyethylene. All the layers are permanently bonded together by intermediate adhesive layers. The thickness of the aluminium layer in Vectus Composite pipes has been selected to meet compressive and flexural strength requirements. The aluminium core is absolutely diffusion tight & reliably prevents oxygen or gases from permeating into the pipe. It limits & reduces snap back forces and heat expansion which occur due to change in temperature.

- Vectus black composite pipes are manufactured as per IS 15450:2004 & yellow pipes as per ASTM F-1282.
- The available range of pipes and fittings varies from 1014mm to 4050mm.

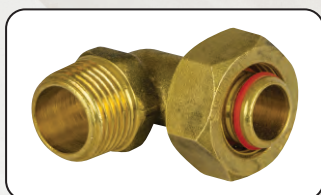
Composite Compression Brass Fittings

Female Elbow



1014x1/2"	1216x1/2"	1216x3/4"
1620x1/2"	2025x1/2"	2025x3/4"
2025x1"	2532x1"	2532x1 1/4"
3240x1"	3240x1 1/2"	

Male Elbow



1216x1/2"	1216x3/4"	1620x1/2"
1620x3/4"	2532x1 1/4"	

Equal Elbow



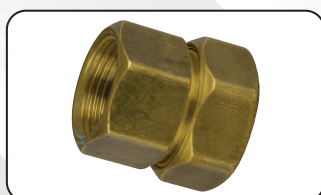
1014x1014	1216x1216	1620x1620
2025x2025	2532x2532	3240x3240

Equal Tee



1014x1014x1014	1216x1216x1216
1620x1620x1620	2025x2025x2025
2532x2532x2532	3240x3240x3240

Female Straight Union



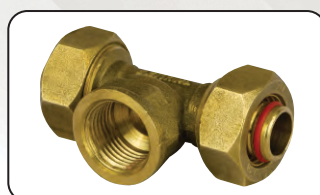
1014x1/2"	1216x1/2"	1216x3/4"
1216x1"	1620x1/2"	1620x3/4"
1620x1"	2025x1/2"	2025x3/4"
2025x1"	2532x3/4"	2532x1"
2532x1 1/4"	3240x1 1/4"	3240x1 1/2"

Male Straight Union



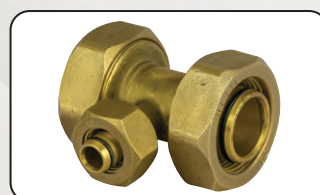
1014x1/2"	1216x1/2"	1216x3/4"
1216x1"	1620x1/2"	1620x3/4"
1620x1"	2025x1/2"	2025x3/4"
2025x1"	2532x3/4"	2532x1"
2532x1 1/4"	2532x1 1/2"	3240x1"
3240x1 1/2"		

Female Tee



1014x1/2"x1014	1216x1/2"x1216
1620x1/2"x1620	1620x3/4"x1620
2025x1/2"x2025	2025x3/4"x2025
2025x1"x2025	2532x1/2"x2532
2532x1"x2532	

Unequal Tee



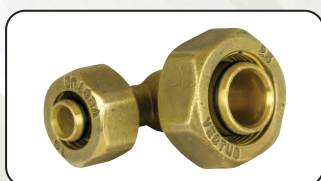
1620x1216x1216	1620x1216x1620
2025x1216x2025	2025x1620x1620
2025x1620x2025	2025x2025x1620
2532x1216x2532	2532x1620x1216
2532x1620x2532	2532x2025x2532
3240x1620x3240	3240x2532x3240

Male Tee



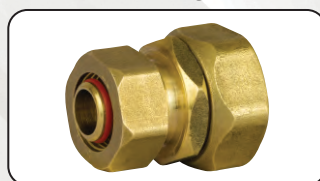
1216x1/2"x1216	1620x1/2"x1620
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Unequal Elbow



1620x1216	2025x1216	2025x1620
2532x1216	2532x1620	2532x2025
3240x1620	3240x2025	

Unequal Straight Union



2025x1216	2025x1620	2532x1216
2532x1620	2532x2025	3240x1620
3240x2025	3240x2532	

Wall Plated Female Elbow



1014x1/2"	1216x1/2"
1620x1/2"	

Cross Tee



1216x1216x1216	1620x1620x1620
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Male Valve



1216x1/2"	1620x1/2"
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Equal Valve



1014x1014	1216x1216
-----------	-----------

Female Valve



1216x1/2"	1620x1/2"
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Female Gas Nozzle Valve



1216x1/2"

Male Gas Nozzle Valve



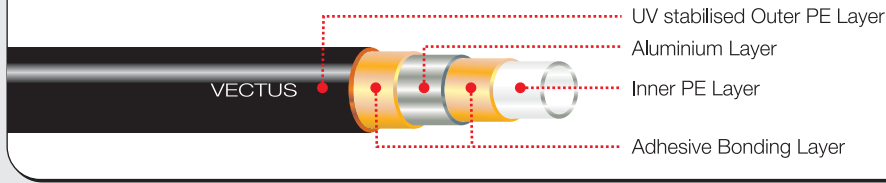
1216x1/2"

Equal Straight Union




1014x1014	1216x1216
1620x1620	2025x2025
2532x2532	3240x3240

MULTIPLE PE-AL-PE LAYERS




Black Pipe

1216, 1620
2025, 2532
3240, 4050



Yellow Pipe

1014, 1216
1620, 2025**
2532, 3240



Cutter

1216, 1620, 2025, 2532 & 3240 sizes are available in Blue colour and will be manufactured against order only.

Composite Compression Polymer Fittings

Equal Straight Union



1216x1216	1620x1620	2025x2025
2532x2532	3240x3240	4050x4050

Female Union



1216x1/2"	1620x1/2"	1620x3/4"
1620x1***	2025x1/2***	2025x3/4"
2025x1"	2532x1"	2532x1 1/4***
	2532x1 1/2"	3240x1 1/2"

Equal Elbow



1216x1216	1620x1620	2025x2025
2532x2532	3240x3240	4050x4050

Male Straight Union Plastic



1216x1/2"	1620x1/2"	1620x3/4"
2025x1"	2532x1 1/4"	3240x1 1/2"

Equal Tee



1216x1216x1216	1620x1620x1620
2025x2025x2025	2532x2532x2532
3240x3240x3240	4050x4050x4050

Female Elbow



1216x1/2"	1620x1/2"	1620x3/4"
2025x1/2"	2025x3/4"	2025x1"
	2532x1***	

Female Tee



1216x1/2"x1216	1620x1/2"x1620
2025x1/2"x2025	2025x1"x2025
2532x1/2"x2532	2532x1"x2532**

Unequal Tee



1216x1620x1216**	1216x2025x1216**
1620x1216x1620	1620x1216x1216
1620x1620x1216	1620x2025x1620
2025x1216x1216	2025x1216x1620
2025x1216x2025	2025x1620x1216**
2025x1620x1620**	2025x1620x2025
2025x2025x1216**	2025x2025x1620**
2025x2025x2532	2025x2532x2532
2025x2532x2025	2025x3240x3240
2532x1216x2025	2532x1216x2532
2532x1620x2025	2532x1620x2532
2532x2025x1216	2532x2025x1620**
2532x2025x2532	2532x2025x3240
2532x2532x1216	2532x2532x1620**
2532x2532x2025	2532x3240x2532
3240x1216x2532**	3240x1216x3240**
3240x1620x2532	3240x1620x3240**
3240x2025x2025	3240x2025x2532
3240x2025x3240	3240x2532x1216
3240x2532x1620	3240x2532x2532
3240x2532x3240	3240x3240x1216
3240x3240x1620	3240x3240x2025
3240x3240x2532	4050x1620x4050
4050x2025x4050	4050x2532x4050
	4050x3240x4050

Male Straight Union



1216x1/2"	1620x1/2"	1620x3/4"
1620x1***	2025x3/4"	2025x1"
2532x1"	2532x1 1/4"	3240x1 1/4***
	3240x1 1/2"	

Unequal Elbow



1620x1216	2025x1216**
2025x1620	2532x1216
2532x1620	2532x2025**
3240x1216	3240x1620**
4050x1620	4050x2025
4050x2532	4050x3240

Unequal Straight Union



1620x1216	2025x1216**
2025x1620	2532x1216
2532x1620	2532x2025
3240x1216**	3240x1620
3240x2025	3240x2532
4050x1620**	4050x2025
4050x2532	4050x3240**

Threaded End Plug



1/2"

Bending Inner Spring



1014	1216	1620
2025	2532	

Bending Outer Spring



1014	1216	1620
2025	2532	3240
	4050	

Reamer



1014 x 1216 x 3240**
1620 x 2025 x 2532

Deburring Tool



Seven Size Rounding Tool



**MTO - Make to Order items will be manufactured against the customer orders only.

Features



Corrosion Resistant



High Strength



UV Resistant



Chemically Inert



Smooth Bore



Easy to Bend & Retract



Can withstand up to 95°C

Applications



Hot & Cold Water Application



Radiator Heating System



Transit of Compressed Air & Gas



Conduit of Fiber Cable Operation



Cooling System

Installation

Installing the Vectus Composite Piping system in transmitting of potable water (hot & cold), pneumatic system and noble gas system is not only very easy but cost effective as well, as it doesn't require any involvement of heavy machines or highly skilled labour. Hence, making the overall cost even much lesser than any other system.

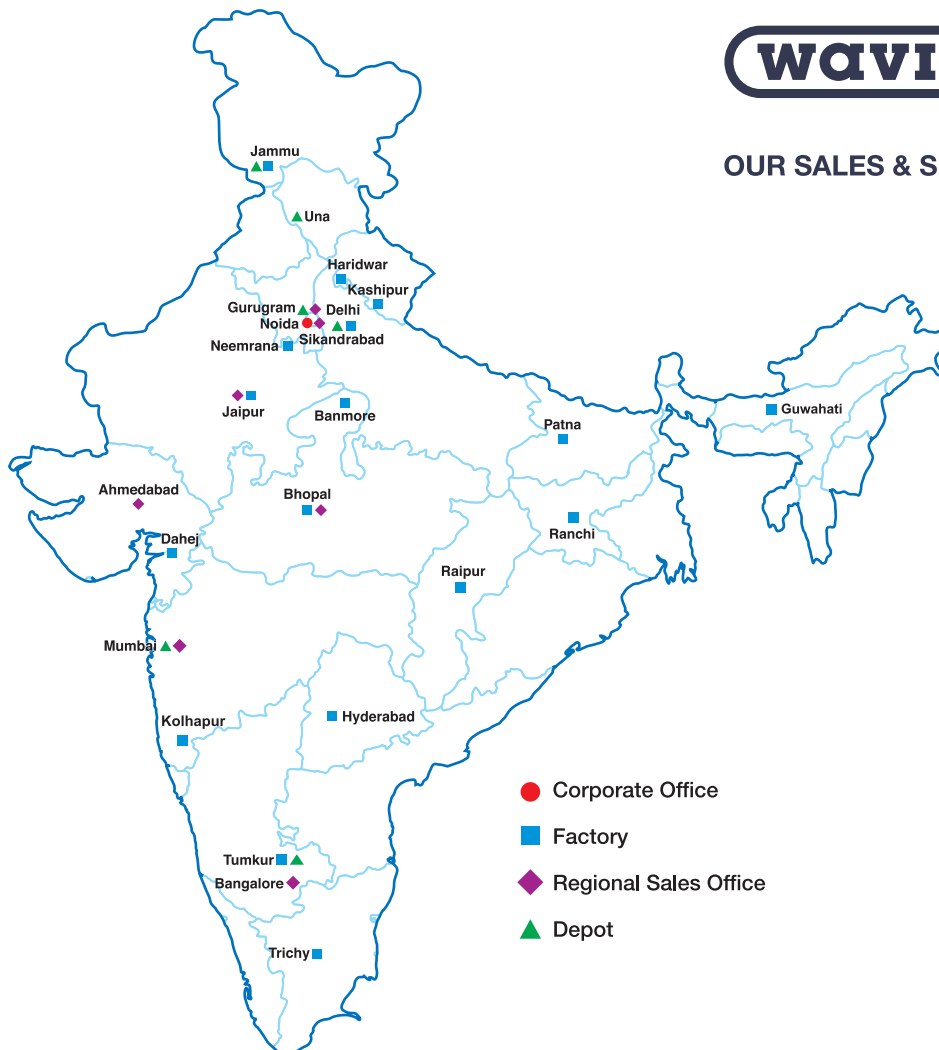
1. Cut the composite pipe at right angle into length with Ratchet pipe cutter.
2. Round-en the pipe with the help of reamer & deburring tool.
3. Insert the compression nut and split ring into the pipe & install the fittings in the pipe properly.
4. Tighten the external compression nut, which will ensure that it remain air tight and doesn't fail at designed pressure.
5. Bend the pipe only with the help of bending spring.

Vectus Composite Piping system is highly flexible when it comes to the installation. It can be maneuvered easily as per the requirement even after installation hence, saving cost and increasing the productivity of the entire system.



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A-36, Sector 83, Noida 201305, UP • T: 0120-4753200, E: info@wavin-vecus.com
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