

PRODUCT INFORMATION



AIRnet is a reusable aluminum piping system designed in line with ASME B31.1 / B31.3 to deliver a fast, easy, and reliable distribution network for Compressed Air, Nitrogen, and Vacuum.



PIPES 20 (¾") - 25 (1") - 40 (1½") - 50 (2") - 63 (2½") - 80 (3") - 100 (4") - 158 (6") mm

Applications	Compressed Air, Nitrogen, and Vacuum	Standard
Material	Extruded aluminum alloy 6063 T5	ASTM B241
Safety factor	4 for all diameters	
Working pressure	Max 232 psig for ¾" - 1" - 1½" - 2" - 4" Max 189 psig for 2½" - 3" - 6"	Calculated according to ASME B31.1
Working temperature	-4°F to 176°F for ¾" - 1" - 1½" - 2" - 4" - 6" -4°F to 158°F for 2½" - 3"	
Vacuum level	0.189 psia (29.5 HgV)	
Dewpoint	Lowest allowable pressure dewpoint is 94°F	
Outside treatment	Polyester powder paint (QUALICOAT certified)	
Inside treatment	Chrome free conversion treatment	
Colors	Blue RAL 5012 and Green RAL 6018 (only ¾" - 1")	



FITTINGS 20 (¾") - 25 (1") - 40 (1½") - 50 (2") mm (PF series)

Connection	Push to fit technology	Standard
Materials	Engineered polymer PA6 - GF30 fiberglass reinforcement Aluminum high pressure die casting EN AC-46100, similar to A03830 Wrought aluminum alloy 6082	ASTM B85 / EN 1706 ASTM B221
Seal fittings	NBR 70 Sh A (PTFE coating on pipe seal)	



FITTINGS 63 (2½") - 80 (3") mm

Connection	Torque to grip technology	Standard
Materials	Aluminum high pressure die casting EN AC-46100, similar to A03830 Aluminum permanent mold casting EN AC-43100, similar to A13600 Wrought aluminum alloy 6082	ASTM B85 / EN 1706 ASTM B85 / EN 1706 ASTM B221
Seal fittings	NBR 70 Sh A	



FITTINGS 100 (4") mm

Connection	Bolt clamp technology	Standard
Materials	Aluminum permanent mold casting EN AC-43100, similar to A13600 High yield strength steel for cold forming Grade 50	ASTM B85 / EN 1706 ASTM A572
Seal fittings	NBR 70 Sh A	



FITTINGS 158 (6") mm

Connection	Bolt clamp technology	Standard
Materials	Aluminum permanent mold casting EN AC-43100, similar to A13600 Stainless Steel 304	ASTM B85 / EN 1706 AISI 304
Seal fittings	NBR 70 Sh A	

PRODUCT INFORMATION



AIRnet technologies and innovations are based on technical expertise gained from more than 140 years of experience with pressurized air applications and equipment.

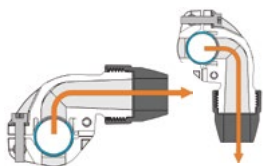
AIRNET IS FAST AND EASY TO INSTALL AND FLEXIBLE FOR THE FUTURE

TIME AND TOOLING

- ▶ Quick connections with no need to crimp, thread, solder or glue the pipe
- ▶ No heavy tooling or machinery required
- ▶ PF series can be connected to any existing network via simple use of adaptor unions and nipple sockets
- ▶ PF series is assembled by hand, a push of the pipe into the fitting is all it takes

MODULARITY

- ▶ Easy to handle and easy to work with lightweight materials
- ▶ Modular design supports extensions and modifications to meet new demands
- ▶ Components are interchangeable and reusable after disassembly
- ▶ Quickdrops are easily mounted, both horizontally and vertically



Quickdrop design safeguards leaktight and condensate free droplines



AIRNET IS RELIABLE, SAFE, AND MAINTENANCE FREE

SUSTAINABILITY

- ▶ Optimized inner body design minimizes flow resistance and pressure drop in the fittings
- ▶ Low friction factor and seamless connections minimize pressure drops in the pipe network
- ▶ Superior sealing technology ensures a leak free system and maintains performance over time
- ▶ Durable and corrosion resistant materials offers a maintenance free system

SAFETY

- ▶ Safety factor of 4 for all diameters
- ▶ Camera control and automatic assembly guarantee zero defect manufacturing
- ▶ Plastic components and pipe clips comply to UL 94 HB and UL 94 V-2 for flammability
- ▶ Torque indicators ensure sufficient torquing



White torque indicators (PF Series)