

AIRnet is a compressed air piping system that delivers quality air exactly where you need it, from compressor to the point of use.

PRODUCT RANGE

Diameter pipes and fittings	20, 25, 40, 50, 63, 80, 100, 158
Pipes	blue, green, straight 6 meter, straight 3 meter, S-bend, U-bend
Fittings	straight connections, reductions, tee, elbow 45°, elbow 90°, end cap, valves, quick drop, nipple, adaptor union, flange, threaded fittings
Fixtures	pipe clip, pipe clip spacer, valve support, flange support, pipe support/hanging solutions
Tools	spanner, drill bit, drill bit holder, pipe cutter, pipe cutter spare blade, deburr, torque wrench, slide fluid
Accessories	hose, conductivity strip, flange nuts and bolts, threaded couplings

PERFORMANCE CRITERIA



- ▶ For compressed air, vacuum and nitrogen gas
- ▶ Vacuum level: 0.013 bar abs
- ▶ Operating pressure:
 - 20-50 mm & 100 mm (3/4"-2", 4"): max 16 barg (232 psig)
 - 63-80 mm (2 1/2"-3"): max 13 barg (188 psig)
- ▶ Operating temperature limits:
 - 20-50 mm & 100 mm (3/4"-2", 4"): -20°C to 80°C (-4°F to 176°F)
 - 63-80 mm (2 1/2"-3"): -20°C to 70°C (-4°F to 158°F)
- ▶ Lowest allowable pressure dewpoint: -70°C (-94°F)
- ▶ Resistant to the effect of compressor oils (mineral oil/PAO based/Ester based oils)
- ▶ AIRnet pipes are resistant to direct UV radiation and fittings are resistant to indirect UV radiation
- ▶ Corrosion-free
- ▶ Leak-resistant
- ▶ Compatible with oil-free and oil-injected compressors
- ▶ For indoor installation (protected against direct sunlight, rain, snow or wind)

FITTINGS

	PF Series Polymer	Aluminum	Steel-Aluminum
Diameter	20-50 mm (3/4"-2")	63-80 mm (2 1/2"-3")	100 mm (4")
Material	PA6 with 30% fiberglass injection	Aluminum alloy EN-AB46100	Material clamp: sheet metal steel S355MC, acc EN10149-2 Fitting: cast aluminum AISi9Mg
Grip ring	Stainless steel	Stainless steel	Stainless steel AISI 30
Seal	Rubber NBR 70SH	Rubber NBR 70SH	Rubber NBR 70SH



AIRnet FITTING DESIGN

Diameters 20 - 50 mm (3/4 - 2") - PF Series



- 1 Strong-grip internal design**
Superior sealing, flexible grip ring and fool proof engineering design
- 2 Specific nut design**
Push-In, Pre Torque with standard hexagon nut profile
- 3 Specific BODY design**
Light weight, slim body with Easy to see Torque Indication
- 4 Specific inlet guide**
For easier pipe insertion and perfect alignment
- 5 Parts identity**
Part number and diameter are embossed

Diameters 63 - 80 mm (2 1/2 - 3")



- 6 Strong-grip internal design**
New design increasing grip, strength and safety (with stainless steel clinch ring)
- 7 Specific nut design**
Notches enable you to tightly secure the AIRnet spanner, without damaging the nut itself
- 8 Specific body design**
Very large inner body diameter eliminates the flow resistance and pressure drop
- 9 Specific inlet guide**
For easier pipe insertion and perfect alignment

Diameter 100 mm (4")

- 10 Strong-grip internal design**
New design concept for large diameter provides optimum grip performance (with stainless steel clamp-grip)
- 11 Specific nuts & bolts design**
4 sets of bolts and nuts with unique safety pin ensures 40 Nm grip
- 12 Specific body design**
Made up of corrosion resistant sheet metal to ensure light weight and compact design
- 13 Specific seal system**
Sealing system (seal + seal holder) is specially designed for compressed air or vacuum and ensures leak free piping system
- 14 Parts identity**
Part number and diameter are embossed

