

# PRODUCT INFORMATION

AIRnet is a reusable aluminum piping system designed in line with EN 13480-3 to deliver a fast, easy, and reliable distribution network for Compressed Air, Nitrogen, and Vacuum.



## PIPES 20 (3/4") - 25 (1") - 40 (1 1/2") - 50 (2") - 63 (2 1/2") - 80 (3") - 100 (4") - 158 (6") MM

<b>APPLICATIONS</b>	Compressed Air and Vacuum	<b>EN STANDARD</b>
<b>ADDITIONAL GASSES</b>	Nitrogen, Helium, Argon, Neon, Xenon and Krypton	
<b>MATERIAL</b>	Extruded aluminum alloy EN AW-6060 T6 (similar to alloy 6063T5)	EN 755-2 (ASTM B241)
<b>SAFETY FACTOR</b>	4 for all diameters (burst pressure)	(Calculated according to ASME B31.1)
<b>WORKING PRESSURE</b>	Max 16 bar(g) (Max 232 psig)	
<b>WORKING TEMPERATURE</b>	-20°C to 80°C (-4°F to 176°F)	
<b>VACUUM LEVEL</b>	13 mbar(a) (0.189 psia)	
<b>DEWPOINT</b>	Lowest allowable pressure dewpoint is -40°C (-40°F)	
<b>OUTSIDE TREATMENT</b>	Polyester powder paint (QUALICOAT certified)	
<b>INSIDE TREATMENT</b>	Chrome free conversion treatment	
<b>COLORS</b>	Blue RAL 5012 and Green RAL 6018 : only 20-25mm (3/4"-1")	



## FITTINGS 20 (3/4") - 25 (1") - 40 (1 1/2") - 50 (2") MM (PF SERIES)

<b>CONNECTION</b>	Push to fit technology	<b>EN STANDARD</b>
<b>MATERIALS</b>	Engineered polymer PA6 - GF30 fiberglass reinforcement Aluminum high pressure die casting EN AC-46100 (Similar to A03830) Wrought aluminum alloy EN AW-6026 (Similar to alloy 6082)	EN 1706 (ASTM B85) EN 755-2 (ASTM B221)
<b>SEAL FITTINGS</b>	NBR 70 Sh A (PTFE coating on pipe seal)	



## FITTINGS 63 (2 1/2") - 80 (3") MM (BLACK SERIES)

<b>CONNECTION</b>	Torque to grip technology	<b>EN STANDARD</b>
<b>MATERIALS</b>	Aluminum high pressure die casting EN AC-46100 (Similar to A03830) Aluminum permanent mold casting EN AC-43100 (Similar to A13600) Wrought aluminum alloy EN AW-6026 (Similar to alloy 6082)	EN 1706 (ASTM B85) EN 1706 (ASTM B85) EN 755-2 (ASTM B221)
<b>SEAL FITTINGS</b>	NBR 70 Sh A	



## FITTINGS 63 (2 1/2") - 80 (3") MM (PM SERIES)

<b>CONNECTION</b>	Torque to grip technology, pre marked	<b>EN STANDARD</b>
<b>MATERIALS</b>	Aluminum high pressure die casting EN AC-43400 (similar to A360) Wrought aluminum alloy 6082	ASTM B85 / EN 1706 ASTM B221
<b>SEAL FITTINGS</b>	NBR 70 Sh A	



## FITTINGS 100 (4") - 158 (6") MM

<b>CONNECTION</b>	Bolt clamp technology	<b>EN STANDARD</b>
<b>MATERIALS</b>	Aluminum permanent mold casting EN AC-43100 (Similar to A13600) Stainless Steel EN 1.4301 (Similar to alloy 304)	EN 1706 (ESTM B85) EN 10088-2 (AISI 304)
<b>SEAL FITTINGS</b>	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.



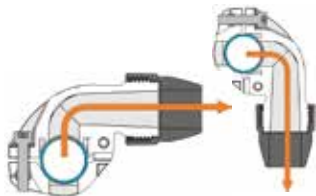
## AIRNET IS FAST AND EASY TO INSTALL AND FLEXIBLE FOR THE FUTURE

### TIME AND TOOLING

- ▶ Quick connections with no need to crimp, thread, solder or glue the pipe
- ▶ No heavy tooling or machinery required
- ▶ PF series and Black 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



GUARANTEE

**10**  
YEARS



## 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 (burst pressure)
- ▶ 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)

