

# PRODUCT INFORMATION

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

**AIRNET**  
COMPRESSED AIR · VACUUM · NITROGEN



## PIPES 20 - 25 - 40 - 50 - 63 - 80 - 100 - 158 mm

APPLICATIONS	Compressed Air and Vacuum	EN standard
ADDITIONAL GASSES	Nitrogen, Helium, Argon, Neon, Xenon and Krypton	
MATERIAL	Extruded aluminium alloy EN AW-6060 T6	EN 755-2
SAFETY FACTOR	4 for all diameters (burst pressure)	
WORKING PRESSURE	Max 16 bar(g)	
WORKING TEMPERATURE	-20°C to 80°C	
VACUUM LEVEL	13 mbar(a)	
DEWPOINT	Lowest allowable pressure dewpoint is -70°C	
OUTSIDE TREATMENT	Polyester powder paint (QUALICOAT certified)	
INSIDE TREATMENT	Chrome free conversion treatment	
COLORS	Blue RAL 5012 and Green RAL 6018 (only 20 - 25 mm)	



## FITTINGS 20 - 25 - 40 - 50 MM (PF SERIES)

CONNECTION	Push to fit technology	EN standard
MATERIALS	Engineered polymer PA6 - GF30 fiberglass reinforcement Aluminium high pressure die casting EN AC-46100 Wrought aluminium alloy EN AW-6082	EN 1706 EN 755-2
SEAL FITTINGS	NBR 70 Sh A (PTFE coating on pipe seal)	



## FITTINGS 63 - 80 MM (BLACK SERIES)

CONNECTION	Torque to grip technology	EN standard
MATERIALS	Aluminium high pressure die casting EN AC-46100 Aluminium permanent mold casting EN AC-43100 Wrought aluminium alloy EN AW-6082	EN 1706 EN 1706 EN 755-2
SEAL FITTINGS	NBR 70 Sh A	



## FITTINGS 100 MM

CONNECTION	Bolt clamp technology	EN standard
MATERIALS	Aluminium permanent mold casting EN AC-43100 High yield strength steel for cold forming EN 1.0976	EN 1706 EN 10149-2
SEAL FITTINGS	NBR 70 Sh A	



## FITTINGS 158 MM

CONNECTION	Bolt clamp technology	EN standard
MATERIALS	Aluminium permanent mold casting EN AC-43100 Stainless Steel EN 1.4301	EN 1706 EN 10088-2
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.

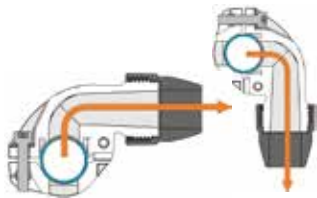
## AIRNET IS FAST AND EASY TO INSTALL AND FLEXIBLE FOR THE FUTURE

### TIME AND TOOLING

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

