

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.

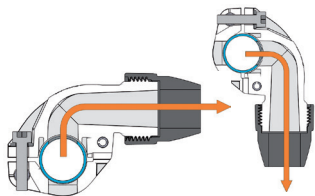
AIRNET IS FAST AND EASY TO INSTALL AND FLEXIBLE FOR THE FUTURE

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)

