

**AIRnet
aluminium
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, Vacuum, Nitrogen, Helium, Argon, Neon, Xenon and Krypton. AIRnet technologies and innovations are based on technical expertise gained from more than 140 years of experience with pressurized air applications and equipment.



PIPES

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

Applications	Compressed Air and Vacuum	EN standard
Additional Gasses	Nitrogen, Helium, Argon, Neon, Xenon and Krypton	
Material	Extruded aluminum alloy EN AW-6060 T6 (similar to alloy 6063T5)	EN 755-2 (ASTM B241)
Safety factor	64bar - 4x MAWP for all diameters (burst pressure)	(according to ASME B31.1)
Working pressure	Max 16 bar(g) (Max 232 psig) (D158: max 13 bar (188 psig) acc. ASME B31.1)	
Working temperature	-20°C to 80°C (-4°F to 176°F)	
Vacuum level	13 mbar(a) (0.189 psia)	
Dewpoint	Lowest allowable pressure dewpoint is -40°C (-40°F)	
Outside treatment	Polyester powder paint (according to QUALICOAT Standards)	
Inside treatment	Chrome free conversion treatment	
Colors	Blue RAL 5012, Green RAL 6018 and Grey RAL 7001	

* Except for Black Series system, please refer to page 24.



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

Connection	Push to fit technology	EN standard
Materials	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)
Seal fittings	NBR 70 Sh A (PTFE coating on pipe seal)	EN 755-2 (ASTM B241)



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

Connection	Torque to grip technology, pre marked	EN standard
Materials	Aluminum high pressure die casting EN AC-43400 (similar to A360) Wrought aluminum alloy 6082	ASTM B85 / EN 1706 ASTM B221
Seal fittings	NBR 70 Sh A	



BIGGER DIAMETERS FITTINGS
100 (4") - 158 (6") mm

Connection	Bolt clamp technology	EN standard
Materials	Aluminum permanent mold casting EN AC-43100 (Similar to A13600) Stainless Steel EN 1.4301 (Similar to alloy 304)	EN 1706 (ASTM B85) EN 10088-2 (AISI 304)
Seal fittings	NBR 70 Sh A	



QUICKDROPS FITTINGS 100 (4") - 158 (6") mm

Connection	Bolt clamp technology Torque to grip technology	EN Standard
Materials	Aluminium high pressure die casting EN AC-44500 (similar to A413) Engineered polymer PA6 - GF30 fiberglass reinforcement	EN 1706 (ASTM B85)
Seal fittings	NBR 70 Sh A (PTFE coating on pipe seal)	



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

Connection	Torque to grip technology	EN 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 EN AW-6026 (Similar to alloy 6082)	EN 1706 (ASTM B85) EN 1706 (ASTM B85) EN 755-2 (ASTM B221)
Seal fittings	NBR 70 Sh A	