

Your production
deserves an optimal
air piping system



FAST / EASY / RELIABLE

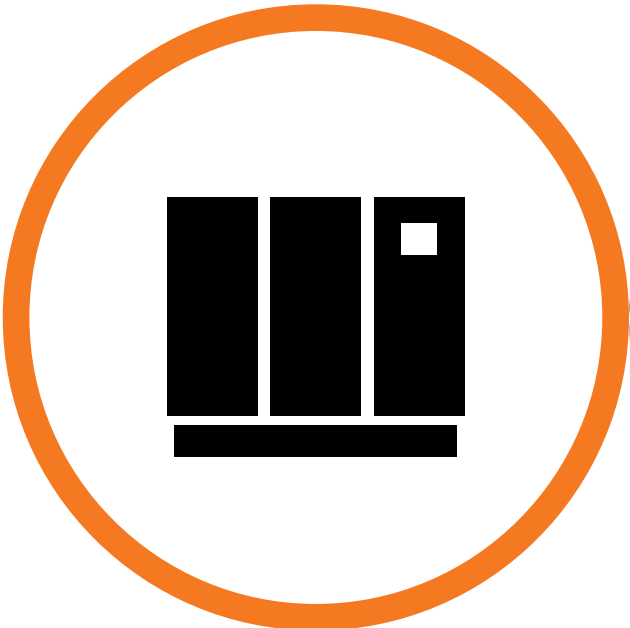
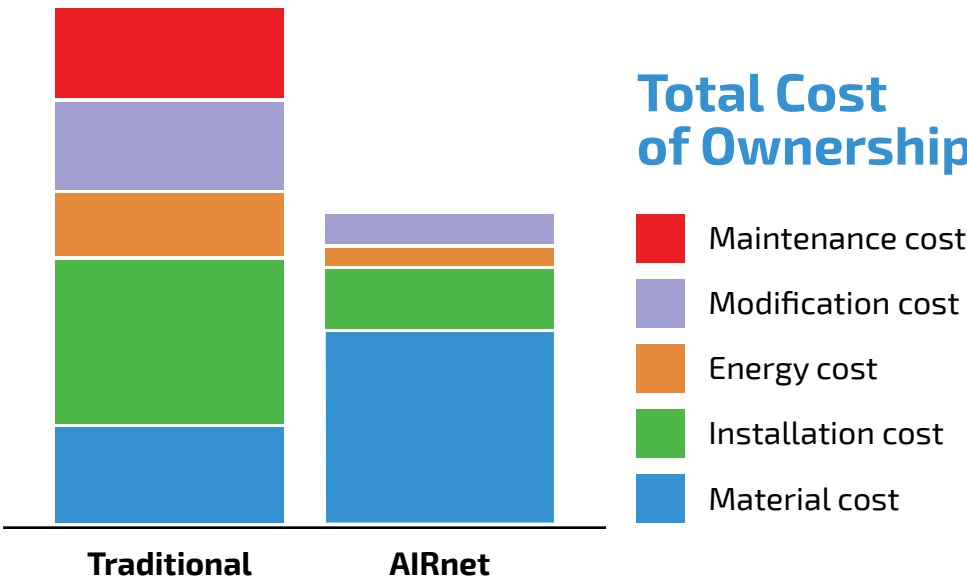
AIR NET

COMPRESSED AIR • VACUUM • NITROGEN

Optimized production, maximized energy efficiency and minimized total cost

The optimal piping network is sized, planned and installed to support sustainable operational excellence in the production process. Material and product design, installation and maintenance costs; flexibility and safety. They all influence your total cost of ownership and the level of efficiency in your production.

If you are looking for a high performing and effortless system that can be customized to fit any production site, AIRnet will turn out to be the best investment choice you can make. It is a high-end aluminum system specially designed to save the money that other piping systems spend.



From supply
to point of use

NO
maintenance

NO
corrosion

7 times
lighter

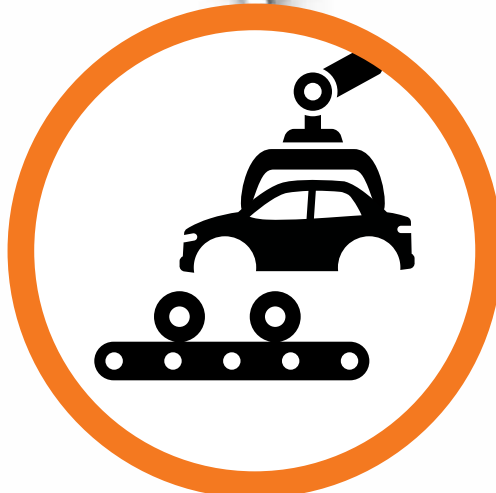
70%
faster
to install

100%
reusable
modular
design

IMPRESSIVE
energy savings



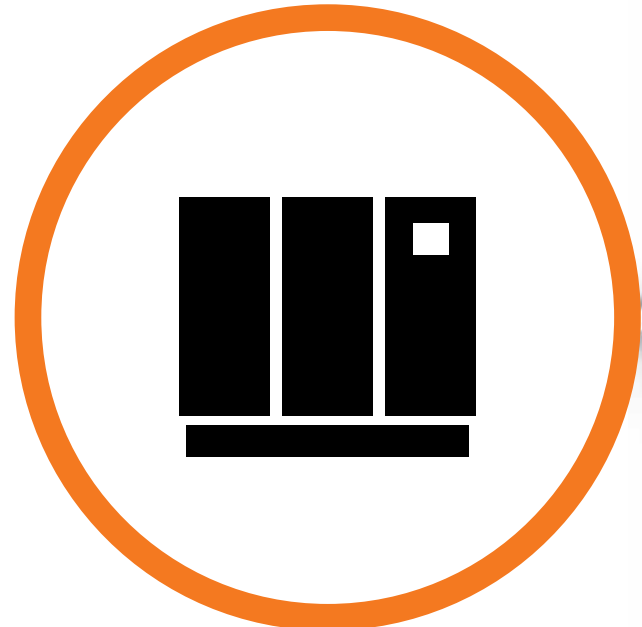
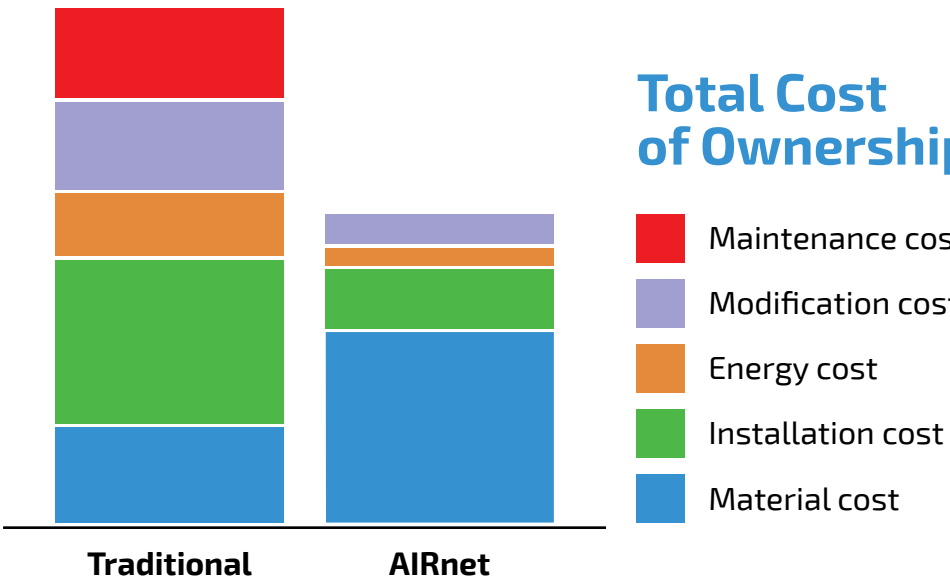
AIRnet offers the
lowest total cost
of ownership
over time.
It is the optimal
solution for any
application.



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From supply to point of use

1

Continuous airflow

The AIRnet system is designed with leak-proof connections that prevent losses in flow and energy. Non-corrosive aluminum pipes and full-bore fittings ensure a smooth and sustainable flow throughout the network. Losses due to friction are reduced to a minimum.

2

Keeps the pressure up

Did you know that a pressure drop of 1 bar results in a 7% increase of your energy consumption? To avoid such losses you need to ensure that your piping system is properly sized, leak-free and retains the

pressure. AIRnet is an engineered aluminum piping system that can be sized and planned to deliver the desired pressure for a variety of high performing applications.

3

Sustainable air quality

AIRnet is a non-corrosive, durable system that does not affect the quality of the gases transported. This minimizes maintenance costs and also costs related to protection of downstream equipment, processes and applications.

4

Dynamic design

The ideal piping system can be connected to any existing network and it can be modified easily to meet any changes on the industrial floor. AIRnet answers these needs with a wide range of interchangeable and reusable fittings designed to support upgrades in layout and capacity. That makes AIRnet fast to install, easy to adapt and cost efficient.



AIRnet offers the lowest total cost of ownership over time. It is the optimal solution for any application.



GUARANTEE

10 YEARS



In line with the high quality performance of the AIRnet product range, we provide our customers with a 10 year guarantee on the AIRnet fittings and aluminum pipes against material defect.

Your Dealer

www.airnet-system.com

To achieve the lowest Total Cost of Ownership AIRnet offers

- ☒ HIGH QUALITY MATERIALS
- ☒ HIGH ENERGY EFFICIENCY
- ☒ OPTIMAL OPERATIONAL PERFORMANCE
- ☒ LOW OPERATIONAL COSTS
- ☒ LOW INSTALLATION COSTS
- ☒ LOW MODIFICATION COSTS
- ☒ SAFETY

AIRNET
COMPRESSED AIR • VACUUM • NITROGEN

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.



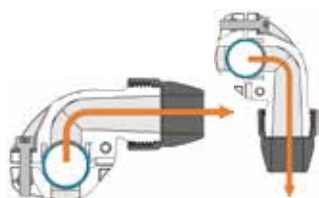
AIRNET IS FAST AND EASY TO INSTALL AND FLEXIBLE FOR THE FUTURE

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)

