

SmartFLOW
Piping Systems

IN SEALING
15 YEARS
GUARANTEE

Piping System

Superior Aluminum & Stainless Steel Pipes

a brand of
DALGAKIRAN



Advanced connection and sealing technology were internationally patented;

ISO9001
ISO14001
ISO8573-1
CE, EN, ASME, UL and TUV



PIPING SYSTEMS

Superior Aluminum & Stainless Steel Pipes

SmartFlow piping systems provide energy efficiency by offering optimum solutions in every compressed air needs.

SmartFlow, a brand of DALGAKIRAN, provides turnkey service with design, Dalgakiran air compressors and application in stainless steel and aluminum air piping systems for compressed air, vacuum and inert gas etc.

The entire system, from fittings to pipes and to piping, is designed, manufactured and strictly quality controlled in-house. Products are quickly delivered to all around the world by global main offices, distributors and dealers.

Advantages

- Excellent rust-resistance, leak-free and low air drop provide sustainability and energy saving.
- User-friendly operation thanks to easy and fast installation of the modular push-in to connect fittings.
- It has a durable, reliable and safe construction for superior performance.
- Always guarantees clean and high quality liquids.
- SmartFlow always provides high air quality.

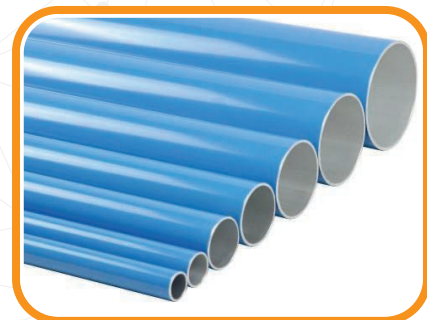
Traditional Pipes

Costly rusts, poor air quality, leakage, air pressure drops, high cost of energy, difficult to install...



SmartFlow

Clean air quality, zero leakage, no rust, tiny air pressure drops, less cost of energy, easy, fast and reliable...



Superior Aluminum Pipes

- Clean and quality air source (ISO8573-1 conformed)
- Optimum air flow performance, with larger diameters than competitors
- Alumilite processed inner surface, resisting to corrosion
- Light weight
- High quality, powder coated exterior
- Durable, extruded and marine grade rigid aluminum
- Suitable for oil-free or lubricated compressed air, vacuum, and inert gases (Nitrogen, Argon, Helium)
- Max. working pressure: 16 bar; vacuum: 0.013 bar (absolute pressure)
- Working temperature: -20C°~+80C°
- DN20 3/4"-DN200-8" diameter range

Connection & Sealing

- Strong and resistant to vibration, embedded nuts
- Active fill-in sealing ring with leak-free guarantee
- Dual lock rings with full surface contact, ensuring push-to-connect and strong connection
- Enhanced structure & all aluminum material ensuring safety and longevity
- Convex groove connection for DN65-200(2½"-8")

Stainless Steel Pipes

- Stainless steel materials with international 304 or 316L standard
- Superior performance, reliability, stability, longevity
- Safe sealing technology
- Labor cost savings thanks to quick and easy installation
- Resistant to high and low temperature, no corrosion, maintenance free
- Compressed air oil injected or oil free, vacuum, noble gases (Nitrogen, Argon, Helium), drinking water, fuels, mineral oils, frozen steam, etc. suitable for
- Complies with EU/EN/DIN/ASTM/JS standards
- DN15- 1/2"-DN400 16" diameter range

Connection & Sealing

- Only two bolts to fasten
- Enhanced structure and material ensuring safety and longevity
- Mutual groove connection for DN125-400(5"-16")
- Different and optional sealing elements for various fluids and conditions
- Easy and fast assembly with press connection



SAVE YOUR TOTAL COST OF OWNERSHIP

We help customers saving total cost of ownership from every aspect during usage of piping system.



1 Installation Cost

It saves more than 60% times to install and no special skills and tools needed to install.



2 Modification Cost

Modular design and fast connection technology.



3 Energy Cost

Great full diameter pipes, surface processing, leak-free performance, reduces pressure drop effectively.



4 Maintenance Cost

No maintenance required at all.

Hole Diameter	Passing Air at 7 Bar Working Pressure	Compressor Power	Annual Cost*
1 mm	1,2 liter/sec	0,4 kWh	256 €
3 mm	11,1 liter/sec	4 kWh	2.560 €
5 mm	31 liter/sec	10,8 kWh	6.912 €
10 mm	124 liter/sec	43 kWh	27.520 €

* Annual working hours are accepted as 8000 hours. The kWh fee of electricity was taken as 0.08 €.