



Oil-free Medium Pressure Piston Compressor





4-cylinder/6-cylinder structure, horizontal symmetrical arrangement, the unit is more balanced

Die-cast aluminum alloy material improves reliability and provides a light-weight design.

Hybrid cooling method of air cooling plus self-circulating coolant system; lower exhaust temperature and higher working efficiency

Equipped with aftercooler. The exhaust temperature is low, which effectively improves the efficiency of the aftertreatment equipment

Three-stage compression, the compression process is closer to the isothermal process, resulting in a higher compression efficiency.

The cylinders are arranged in opposite positions, resulting in lesser vibrations and higher reliability of the air end. The inner wall is coated with ceramic, giving it a long service life.

Soft start automatic shutdown unloading control; can meet the needs of single machine automatic control and networking through Modbus remote control

Closed chassis reduces unit noise and on-site installation work; plug-and-play.

Industry Applications



Laser Cutting

The 20barg unit provides a stable oil-free gas source, high cutting efficiency and low energy consumption



PET Blowing

20-40barg box-type unit, plug and play, reduces on-site installation work, efficient oil-free bottle blowing solution



Test and Inspection

Low noise unit, flexible application scenarios; medium pressure oil-free air, high quality air source guarantee

Focus on High Quality Air

Air quality plays a decisive role in many situations. If solid particles, condensate, oil and oil vapor appear in the compressed air system, it will cause downtime, product damage or even product recalls and damage the brand reputation. What's worse, it may also damage consumer interests and product credibility.

Reduce total cost of ownership

Oil-free systems have a higher initial cost, but the overall Total Cost of Ownership is optimized with lower lifetime operating and maintenance costs, whilst maintaining high air quality and purity.

Improve reliability

Reliable products and system designs provide high-quality air, protect sensitive downstream air-using equipment, reduce maintenance and extend equipment life.

Improve productivity

Using ISO-certified Class 0 oil-free air compressors ensures zero air contamination, eliminating the risk of product damage and wastage.

Improve maintainability

Designed with maintenance convenience in mind, the product improves the convenience of on-site consumable replacement.



ISO 8573-1 Air Quality Class

Quality Class	Oil & Oil Vapor mg/m³
0	<0.01
1	0.01
2	0.1
3	1
4	5

Class 0 is the most stringent air class defined by ISO 8573, part 1. Our oil-free compressors are certified Class 0 for no oil content by TÜV to ensure your air quality exceeds specifications.

Technical Parameters

Model	Nominal Power kW	Operating Pressure bar	Flow(FAD) m³/min	Dimensions L x W x H mm	Weight kg
P15S/20	15	20	1.3	1388×900×1416	700
P15S/30	15	30	1.1	1388×900×1416	700
P15S/40	15	40	1.0	1388×900×1416	700
P22S/20	22	20	2.0	1550×1050×1750	960
P22S/30	22	30	1.7	1550×1050×1750	960
P22S/40	22	40	1.5	1550×1050×1750	960
P15D/20	30	20	2.6	1850×1750×1700	1600
P15D/30	30	30	2.2	1850×1750×1700	1600
P15D/40	30	40	2.0	1850×1750×1700	1600
P22D/20	44	20	4.0	2000×1850×1800	1900
P22D/30	44	30	3.4	2000×1850×1800	1900
P22D/40	44	40	3.0	2000×1850×1800	1900
P15B/30	15	30	2.3-4.7	1388×900×1416	700
P22B/30	22	30	3.2-6.5	1550×1050×1710	960



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