



AIRSPACE MACHINERY CO., LTD.

AirSpace ASM-OFZ Series

Oil-Free Scroll Air Compressors | 2.2kW – 49kW

100% Oil-Free Compression for Critical Applications

ISO 8573-1 Class 0 Certified | Pure Air, Zero Contamination

ISO 8573-1 Class 0

CE & ISO 9001

55°C Ambient Rated

35-Day Delivery

Power On, **Worry Off**

chinacompressor.org

SHANGHAI, CHINA · 20 YEARS OF ENGINEERING EXCELLENCE

TECHNOLOGY

Why Oil-Free Scroll Technology?

Oil-free scroll compressors deliver pristine, Class 0 compressed air by trapping and compressing air between twin orbiting scrolls — with no oil ever entering the compression chamber. The result is silent, vibration-free, maintenance-light air built for the world's most contamination-sensitive processes.

💧 **100% oil-free compression chamber** — no oil carryover, no contamination risk.

🔊 **Scroll technology:** quiet, compact, vibration-free operation.

☰ **Ideal for:** pharmaceutical, food & beverage, medical, electronics, laboratory, dental.

⊗ **No oil filters, no oil changes, no oil disposal costs.**

🔧 **Low maintenance** — minimal moving parts, longer service life.

⚡ **Energy-efficient continuous operation** with low running costs.

📁 **Suitable for cleanroom environments** (ISO Class 1–5).

🌡️ **55°C ambient rating** for tropical / high-heat environments.

Class 0

ISO 8573-1 PURITY

48 dB

FROM 48 DB(A)

55°C

AMBIENT RATED

0 Oil

ZERO CONTAMINATION

PRODUCT RANGE

ASM-OFZ Series Specifications

Eleven models spanning 2.2 kW to 49 kW (3 HP to 65 HP) — all rated 8 bar, all 100% oil-free.

Model	Power (kW / HP)	Max Pressure	FAD (m ³ /min)	Noise dB(A)	Weight (kg)	Dimensions L×W×H (mm)
ASM-OFZ-03	2.2 kW / 3 HP	8 bar	0.3	48	85	650 × 450 × 680
ASM-OFZ-05	4.0 kW / 5.5 HP	8 bar	0.5	50	105	700 × 500 × 720
ASM-OFZ-07	5.5 kW / 7.5 HP	8 bar	0.7	52	130	750 × 550 × 780
ASM-OFZ-10	7.5 kW / 10 HP	8 bar	1.1	54	160	800 × 580 × 820
ASM-OFZ-15	11 kW / 15 HP	8 bar	1.6	56	200	850 × 600 × 860
ASM-OFZ-20	15 kW / 20 HP	8 bar	2.2	58	240	900 × 650 × 900
ASM-OFZ-25	18.5 kW / 25 HP	8 bar	2.8	60	280	950 × 680 × 940
ASM-OFZ-30	22 kW / 30 HP	8 bar	3.3	61	320	1000 × 720 × 980
ASM-OFZ-40	30 kW / 40 HP	8 bar	4.4	63	380	1050 × 750 × 1020
ASM-OFZ-50	37 kW / 50 HP	8 bar	5.5	65	450	1100 × 780 × 1060
ASM-OFZ-65	49 kW / 65 HP	8 bar	6.8	67	520	1200 × 820 × 1100

Specifications subject to technical improvements without notice. FAD measured per ISO 1217. Noise measured at 1 m under free-field conditions.

THE AIRSPACE DIFFERENCE

Oil-Free Advantage — Why AirSpace?

1 

Class 0 Certified Purity

TÜV-certified ISO 8573-1 Class 0 oil-free air. Zero oil contamination for sensitive applications.

2 

Ultra-Quiet Operation

Scroll compression delivers whisper-quiet operation — as low as 48 dB(A), quiet enough for laboratory and hospital environments.

3 

Compact & Space-Saving

Integrated design with minimal footprint. Perfect for installation in tight production areas.

4 

55°C Ambient Rated

Full-rated output even in 55°C ambient conditions. No derating in tropical or high-heat climates.

5 

35-Day Factory Direct

Direct from our Shanghai factory to your facility in 35 days. No middlemen, no markups.

6 

Zero Ransom Policy

No proprietary software locks. No spare-part monopoly. You own your air system completely.

WHERE IT EXCELS

Where Oil-Free Scroll Compressors Excel

Whenever compressed air contacts the product, the process, or the patient — Class 0 oil-free scroll is the standard.



Pharmaceutical & Biotech

Class 0 air for sterile manufacturing and fermentation processes.



Food & Beverage

Contamination-free air for processing, conveying and packaging.



Medical & Dental

Breathing air and instrument-grade compressed air for clinics and hospitals.



Electronics

Clean dry air for PCB assembly and semiconductor manufacturing.



Laboratory & Research

Instrument-grade air for analyzers, spectrometry and lab automation.



Dairy & Beverage

Aseptic packaging, bottling and bottle-blowing applications.

BUILD A COMPLETE SYSTEM

Complete Your System

Pair every ASM-OFZ unit with AirSpace-engineered accessories for a fully integrated, turnkey oil-free air system.



Refrigerated Air Dryer

Delivers pressure-dew-point down to +3°C for dry, corrosion-free air lines.



Activated Carbon Filter

Removes residual odors and hydrocarbon vapors for ultra-pure process air.



Pre-filter & Micro-filter

Multi-stage particulate and coalescing filtration down to 0.01 micron.



Air Receiver Tank

Various sizes (60–3000 L) to buffer demand peaks and reduce compressor cycling.



Piping Kit

Pre-cut aluminum piping with quick-connect fittings for leak-free installation.



Digital Controller with Remote Monitoring

Real-time pressure, temperature and performance telemetry via mobile / SCADA.



Noise Enclosure

Acoustic canopy reducing operating noise by a further 6–10 dB(A).

THE COMPANY

About AirSpace Machinery

AirSpace Machinery Co., Ltd. has been engineering high-performance industrial air compression systems for **over 20 years**. With our **4000m² advanced manufacturing facility in Shanghai**, CE and ISO 9001 certifications, and **100 million yuan in annual sales**, we deliver world-class compressed air solutions to clients across **50+ countries**.

Our product range: **10HP to 540HP screw air compressors** (PMV VSD, Oil-Free, Two-Stage, Diesel Portable) complemented by air dryers, filtration, and full system accessories.

FULL AIRSPACE RANGE

10 HP – 540 HP PMV VSD Screw · Oil-Free Screw (Dry & Water-Lubricated) · Two-Stage PMV · Diesel Portable · Oil-Free Scroll · Air Dryers · Filtration · System Accessories

CONTACT US

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