Oil-Free Air Compressor - Silent Lab Compressor - 5-8 bar - 30 to 120 L Tank

Model **MSAC-J701SWISS, MSAC-J702SWISS, MSAC-J703SWISS, MSAC-J704SWISS** | Brand **Master Science**







The Master Science Oil-Free Air Compressor supplies clean, oil-free compressed air for laboratory instruments, medical equipment and research setups. The oil-less pump keeps the air free of lubricant, and the low-noise design makes it suitable for indoor use near people.

KEY HIGHLIGHTS

- Clean air supply
- Quiet operation
- Long tank life
- Sizes for any demand
- Low maintenance

Request a Quotation
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

Scan to view online

Overview

Four sizes are available, from a single-motor unit with a 30 L tank to a four-motor unit with a 120 L tank, all delivering 5 to 8 bar.

Specifications of the Master Science Oil-Free Air Compressor range (J701 / J702 / J703 / J704):

For vacuum rather than pressure, see the Master Science chemical resistant diaphragm vacuum pump.

Overview

- Oil-free pump
- 1 to 4 motors
- 5 to 8 bar output

Overview

- 30, 60, 90 or 120 L
- Anti-corrosion internal coating

Key Benefits

Clean air supply
the Master Science Oil-Free Air Compressor uses no oil in the pump.

Quiet operation
from 55 dB(A) on the smallest model.

Long tank life
anti-corrosion coating inside.

Sizes for any demand
152 to 608 L/min.

Low maintenance
no oil changes.

Technical Specifications

GENERAL

Brand	Master Science
Model Number	MSAC-J701SWISS, MSAC-J702SWISS, MSAC-J703SWISS, MSAC-J704SWISS
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Maximum Flow	152 / 304 / 456 / 608 L/min
Rated Flow at 7 bar	55 / 110 / 165 / 220 L/min
Tank Volume	30 / 60 / 90 / 120 L, anti-corrosion coated
Noise	≤ 55 / ≤ 62 / ≤ 65 / ≤ 68 dB(A)
Protection	Electrical protection devices
Output Pressure	5 to 8 bar

POWER

Power	0.75 / 1.5 / 2.25 / 3 kW
Power Supply	110 V or 220 V, 50/60 Hz

DIMENSIONS & WEIGHT

External Dimensions	410 × 410 × 650 / 686 × 410 × 735 / 825 × 410 × 722 / 1080 × 425 × 755 mm
Net Weight	27 / 49.5 / 63 / 87.5 kg

COMMON LABORATORY PROBLEMS AND HOW THIS COMPRESSOR HELPS

Common Laboratory Problems and How This Compressor Helps	How the Master Science Oil-Free Air Compressor deals with compressed air issues:
Oil contamination of instruments	oil-free pump.
Noisy compressor in the lab	silent design.
Rust in the tank	internal anti-corrosion coating.
Too little air for several devices	up to 608 L/min.

Applications

The Master Science Oil-Free Air Compressor is used for

Gas supply for laboratory instruments Medical care equipment Scientific research setups Industrial production needing clean air Other applications that require oil-free air

Safety

- Electrical protection devices
- Anti-rust treatment
- Stable single-motor control