

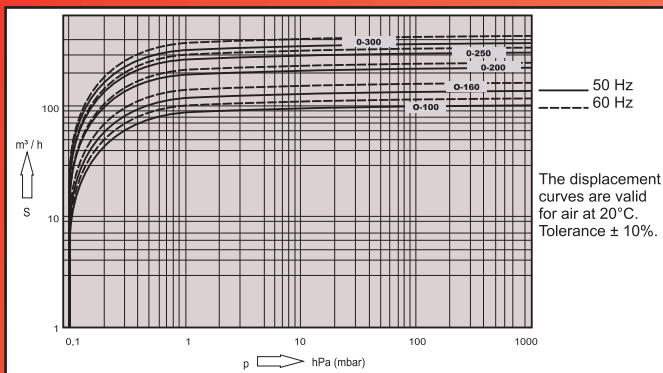
Programmed for Efficiency and Flexibility

The O-Series oil reservoir incorporates design elements which are essential for long-term economic operation: large oil reserve, effective pre-filtering of exhaust gas in the oil chamber, efficient trapping of oil mist in large filter cartridges to ensure oil-mist free exhaust gas or recovery of solvents at the pump outlet.

Virtually loss-free recycling and reconditioning of the trapped oil. The oil filters in O-Series G/H Pumps are expendable cartridges.

Applications O-Series

- Pneumatic conveying
- Transport and lifting systems
- Medical technology
- Central vacuum systems
- Wood working
- Plastic industry
- Printing industry
- Ceramics and brick industry
- Environmental technology
- Vacuum sewage
- Textile industry
- Food industry
- Beverage industry
- Packaging industry
- Paper industry



Technical Data

O-SERIES	100	160	200	250	300
Nominal speed 50/60 Hz ¹⁾m3/h	101-121	177-212	195-234	279-334	306-367
Pumping speed 50/60 Hz ¹⁾m3/h	93-111	163-195	179-214	257-308	281-337
Ultimate partial pressure without gasballast ¹⁾H typ mbar	1x10 ⁻¹	1x10 ⁻¹	1x10 ⁻¹	1x10 ⁻¹	1x10 ⁻¹
G typ mbar	20	20	20	20	20
Ultimate partial pressure with gasballast ¹⁾H typ mbar	1	1	1	1	1
G typ mbar	20	20	20	20	20
Water vapor tolerance ¹⁾mbar	25	30	30	30	30
Average noise level 50/60Hz ²⁾dB(A)	68/72	69/73	70/74	70/74	71/75
Main voltage 50/60 Hz ³⁾V	230/400-460	230/400-460	230/400-460	230/400-460	230/400-460
Motor power 50/60 Hz.....kW	2,2/3	4/5,5	4/5,5	5,5/7,5	5,5/7,5
Nominal speed 50/60 Hz.....min ⁻¹	1450 - 1750	1450 - 1750	1450 - 1750	1450 - 1750	1450 - 1750
Weight (with oil capacity) 50/60 Hz.....kg	75-85	140-155	140-155	180-195	180-195
Oil capacity.....l	3,5	6	7,5	7,5	8,5
Connection intake exhaust ⁴⁾G	1 1/4"	2"	2"	2"	2"
Length.....mm	762	885	885	995	995
Width.....mm	372	545	545	545	545
Height.....mm	300	400	400	400	400
Cat. no.....H typ	0 - 100 H	0 - 160 H	0 - 200 H	0 - 250 H	0 - 300 H
G typ	0 - 100 G	0 - 160 G	0 - 200 G	0 - 250 G	0 - 300 G

¹⁾ According to PNEUROP Standards.

²⁾ Operated at the ultimate pressure with or without gas ballast, free field measurement at a distance of 1 m

³⁾ Other voltages possible, see Ordering Information

⁴⁾ European and Japanese pumps have BSP, USA pumps have NPT.

O-SERIES

Single - Stage Rotary Vacuum Pumps from Yep Vacuum



O-SERIES

Two Types in Five Speeds

a new range
of versatile
rotary vane
vacuum pumps

O - SERIES G/H 100, 160, 200, 250, 300

A new range of single-stage, oil-sealed rotary vane pumps with integrated exhaust filter. Five models with pumping speeds of 100, 160, 200, 250, 300 m³/h and ultimate pressures of 0,1 mbar cover the whole range of industrial vacuum applications. Designed for continuous operation in the rough and medium vacuum range O-SERIES. Pumps are compact units of optimized performance, combining the characteristic features common to all YEP VACUUM oil-sealed vacuum pumps.

- High pumping speed virtually down to ultimate pressure
- Low ultimate pressure
- High water vapour tolerance
- Air-cooled
- Motor direction lock (optional)

Complete Standard Units Ready for Connection

Integrated oil-mist filter for oil-mist free exhaust gas and recycling of the filtered oil for long-term maintenance-free operation.

Built-in airing/isolation valve for fail-safe vacuum protection, preventing oil suck-back into the intake line in case of current failure or misoperation. Leak rate less than 1×10^{-3} mbar ltr/sec.

Simply operated gas ballast valve with inlet filter and inert gas inlet facility.

Low noise level design.

Energy saving construction.

O-SERIES Pumps offer simplicity of construction using carefully selected and matched materials for maximum versatility in application and corrosion resistance, are easy to service and reduce operating costs to a minimum.

O-SERIES G/H 100, 160, 200, 250, 300 for Chemical Processes

Of similar design to the G/H series, but with water vapour tolerance increased to 30 mbar and a mechanical oil filter, for exacting working conditions in the chemical industry. Our Project Engineering Department will be glad to assist you with your particular application problem.



YEP® VACUUM

