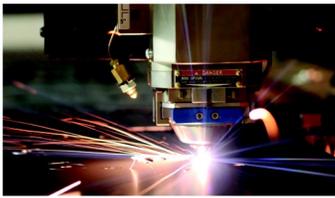




HPO – 75/150

HIGH PRESSURE COMPRESSORS

Reliable, energy-saving, low-noise solutions....



Reliability, energy savings, low noise and vibration levels, air-cooled or with closed-circuit water cooling.

Flow rates from 2.5 lpm (0.15 m³/h–5.4 SCFH) to more than 750 lpm (45 m³/h–1,600 SCFH).



Output pressure up to 380 bar/5,700 PSI, depending upon the model.

Orion offers compressors to meet any and all requirements for flow, pressure, etc.



Applications:

- Chemical processes
- Industrial processes
- Filling high pressure cylinders
- Filling diving tanks
- Powering medical tools
- Pressurizations of pipes
- And more uses

CONVENIENT

RELIABLE

SAFE

ECONONOMICAL



ORION GROUP INTERNATIONAL INC.
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 Miami, FL 33181, USA
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 Fax +1 305 892-7228
www.oriongroupintl.com

HIGH PRESSURE COMPRESSORS

HPO – 75/150

Features and benefits:

Oil Free:

No grease or oil is used in any part of these compressors.

Control:

The control panel displays operating conditions including: over-heating protection circuit, leak-protection system, time recorder, pressure gauges at input, at each stage and output, safety valves at each stage, etc .

Special features:

Dynamically and statically balanced, inter-stage buffers tanks to absorb shock — reducing the vibration and noise typical of high pressure compressors. No floating pistons — we use direct drive stainless-steel pistons, resulting in longer useful life and reduced maintenance.

Compatibility:

The system can be used to compress a variety of high-purity gases including oxygen, nitrogen and argon.

NOTE: The system is not designed for use with explosive gases. We have a different design for this.

Low cost of operation:

The unique compression seals, dynamic balance and overall robust design result in longer periods between routine maintenance plus lower energy consumption — far less than for other compressors with similar output characteristics.

Reliability:

Our compressors have been operating for over 10 years in nuclear power stations and uranium-processing laboratories. Our compressors drive instrumentation at oil wells in remote parts of the world.

TECHNICAL CHARACTERISTICS		
Compression Stages	3	
Number of cylinders	3 in \perp	
Inlet pressure	1,5 - 3 Bar	22 - 44 PSIG
Outlet pressure	172 Bar	2,500 PSIG
Estimated weight	65 Kg	143 Lbs
Dimensions mm/inch	486-380-390	19.1-14.9-15.4
Flow HPO-75 @ 3 Bar	2,1 m ³ /h	75 SCFH
Motor power	1 HP	
Flow HPO-150 @ 3 Bar	4,2 m ³ /h	150 SCFH
Motor power	1,5 HP	



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