

HYVAC PRODUCTS, INC.

MAIL: P.O. BOX 389 • PHOENIXVILLE, PA • 19460-0389 • U.S.A.

PLANT: 201 NORTH 5TH AVENUE • ROYERSFORD, PA • 19468 • U.S.A.

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HYPERVAC® Direct Drive High Vacuum Pumps



These six mechanical high vacuum pumps are the newest addition to the HYVAC line. They incorporate two stage design, with the basic oil sealed rotary vane principle. They are excellent general purpose or roughing pumps capable of vacuum pressures to 5×10^{-4} Torr or .5 micron with fast recovery times. Since they are direct drive pumps, they offer high volumetric efficiency with ease of portability.

The HYPERVAC vacuum pumps are equipped with a gas ballast valve which helps purify the oil of condensable vapors and limit corrosion. These new pumps include a new generation forced oil lubrication system. The HYPERVAC pumps also incorporate an anti-suckback valve to eliminate reverse flow of evacuated vapors and pump oil backstreaming. This also allows for the pumps to be operated at higher pressures. There is also an integrated fan, for cool operation. These pumps use the standard flange fittings on both intake and exhaust ports to allow for quick connection/disconnection to vacuum systems. The pumps are supplied with a charge of oil and an extra quart of HYVAC Direct Drive Oil. The pumps have a mounting flange for attachment of external oil filtration systems.

Special feature of the pumps are the extremely low operating noise level. With the gas ballast valve in the closed position the noise level is 50dB on the smaller pumps and does not exceed 57dB on the larger pumps.

The HYPERVAC pumps are designed with a large, easily viewed, oil level sight glass, hide away carrying handle, capacitor start motors, on/off switch, electrical cord, oil drain ports (suitable size for oil purifying systems), and a rubber cushioned base for vibration isolation. The pumps come standard with HYVACS' one year parts and labor guarantee assuring complete customer satisfaction.

HYPERVAC® Direct Drive High Vacuum Pumps

Specifications	HYPERVAC 100	HYPERVAC 200
Pump Speed Liters / Min.	100 (3.5 CFM)	200 (7 CFM)
Ultimate Pressure No GB	5×10^{-4} Torr	5×10^{-4} Torr
Ultimate Pressure + GB	5×10^{-3} Torr	5×10^{-3} Torr
Water Vapor Tolerance	40 mbar	25 mbar
Pump Speed	1725 RPM	1725 RPM
Motor Speed	1725 RPM	1725 RPM
Motor HP	1/3 HP	1/2 HP
Noise Level dB No GB	50 dB	50 dB
Oil Capacity	2/3 Quart	1 Quart
Intake/Exhaust Port	NW 16 Flange	NW 16 Flange
Tubing Required	1/2" ID	3/4" ID
Electrical Requirements	115v 60Hz	115v 60Hz
Dimensions	18"L x 9.2"H x 6"W	18"L x 9.2"H x 6"W
Weight Net / Ship	40# / 51#	44# / 56#

For More Information Contact HYVAC PRODUCTS **1-800-628-0850**

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HYPERVAC® Direct Drive High Vacuum Pumps

Specifications	HYPERVAC 400	HYPERVAC 600
Pump Speed Liters / Min.	380 (13.4 CFM)	600 (21 CFM)
Ultimate Pressure No GB	5×10^{-4} Torr	5×10^{-4} Torr
Ultimate Pressure + GB	5×10^{-3} Torr	5×10^{-3} Torr
Water Vapor Tolerance	25 mbar	25 mbar
Pump Speed	1725 RPM	1725 RPM
Motor Speed	1725 RPM	1725 RPM
Motor HP	3/4 HP	1 HP
Noise Level dB No GB	52 dB	52 dB
Oil Capacity	1 Quart	1 1/2 Quart
Intake/Exhaust Port	NW 25 Flange	NW 25 Flange
Tubing Required	1" ID	1" ID
Electrical Requirements	115v 60Hz	115v 60Hz
Dimensions	20"L x 10.4"H x 7"W	22"L x 10.4"H x 7"W
Weight Net / Ship	62# / 75#	75# / 90#

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HYPERVAC® Direct Drive High Vacuum Pumps

Specifications	HYPERVAC 1000	HYPERVAC 1500
Pump Speed Liters / Min.	920 (32 CFM)	1500 (53 CFM)
Ultimate Pressure No GB	5×10^{-4} Torr	5×10^{-4} Torr
Ultimate Pressure + GB	5×10^{-3} Torr	5×10^{-3} Torr
Water Vapor Tolerance	40 mbar	40 mbar
Pump Speed	1725 RPM	1725 RPM
Motor Speed	1725 RPM	1725 RPM
Motor HP	2 HP	3 HP
Noise Level dB No GB	57 dB	57 dB
Oil Capacity	2 Quarts	3 Quarts
Intake/Exhaust Port	NW 40 Flange	NW 40 Flange
Tubing Required	1 1/2" ID	1 1/2" ID
Electrical Requirements	115v 60Hz	115v 60Hz
Dimensions	27"L x 14"H x 9"W	30"L x 14"H x 9"W
Weight Net / Ship	150# / 170#	176# / 196#

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HyperVac Features

- Antisuckback Valve
- Forced Oil Lubrication
- Low Operating Noise Level
- Large Oil Sightglass
- ISO Flange Fittings

Exploded View Diagrams Available

