

HYVAC PRODUCTS, INC.

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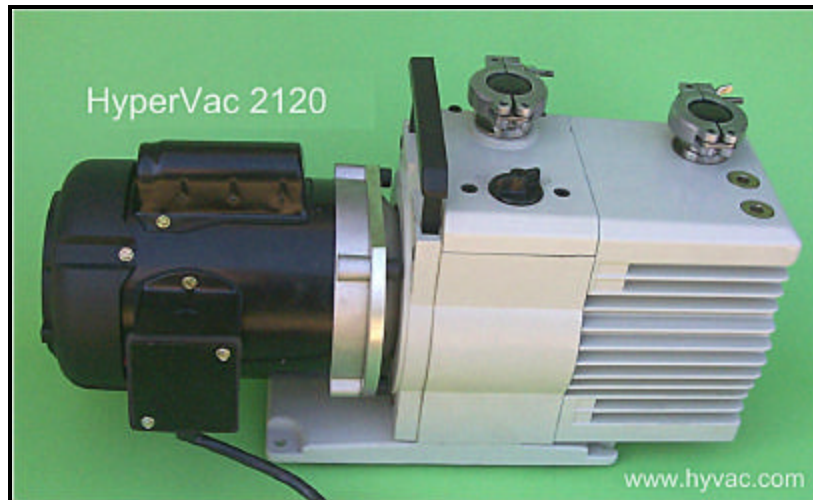
PLANT: 201 NORTH 5TH AVENUE • ROYERSFORD, PA • 19468 • U.S.A.

610-792-0500 PHN • 610-792-0600 FAX

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INTERNET [HTTP://WWW.HYVAC.COM](http://WWW.HYVAC.COM)

HYPERVAC® 2000 Series Direct Drive High Vacuum Pumps



These three 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 a new generation 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.

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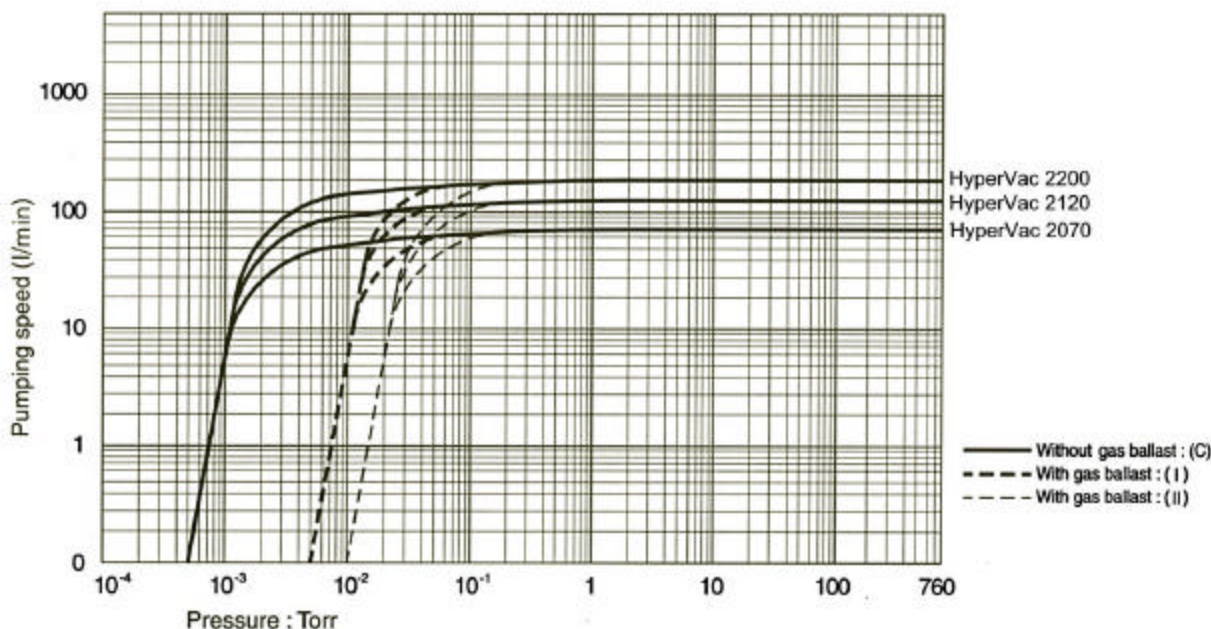
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HYPERVAC® 2000 Series Direct Drive High Vacuum Pumps

Model	Feature	Value	2070	2120	2200
Catalog Number			90801	90802	90803
Displacement Speed	60Hz	L/min	70	126	206
		CFM	2.5	4.4	7.3
	50Hz	L/min	66	100	170
Ultimate pressure	Gas ballast Closed	Torr	5×10^{-4}	5×10^{-4}	5×10^{-4}
	Gas ballast half	Torr	5×10^{-3}	5×10^{-3}	5×10^{-3}
	Gas ballast full open	Torr	5×10^{-2}	5×10^{-2}	5×10^{-2}
Water vapour tolerance		Torr	40	40	40
Oil Capacity		liters	1.0	1.4	1.2
Inlet port		KF	25	25	25
Outlet port		KF	25	25	25
Motor power (1-Ph)		HP	0.33	0.5	1.0
Rotational speed	RPM @ 60Hz		1750	1750	1750
	RPM @ 50Hz		1450	1450	1450
Noise level (w/o gas ballast)		dB	50	50	50
Weight		Lbs	46	50	53
Weight		Kg	21	22.5	24

Pumping Speed Chart



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

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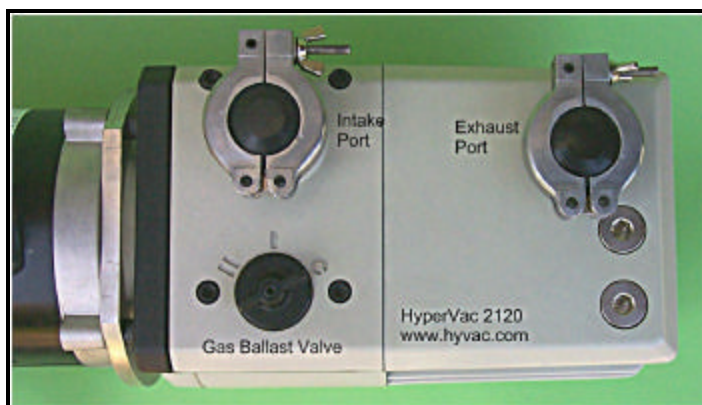
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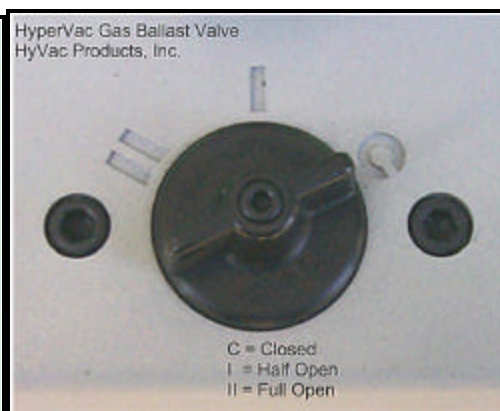
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HyperVac Features

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



Top View of Pump



Gas Ballast Valve



Front View of Pump

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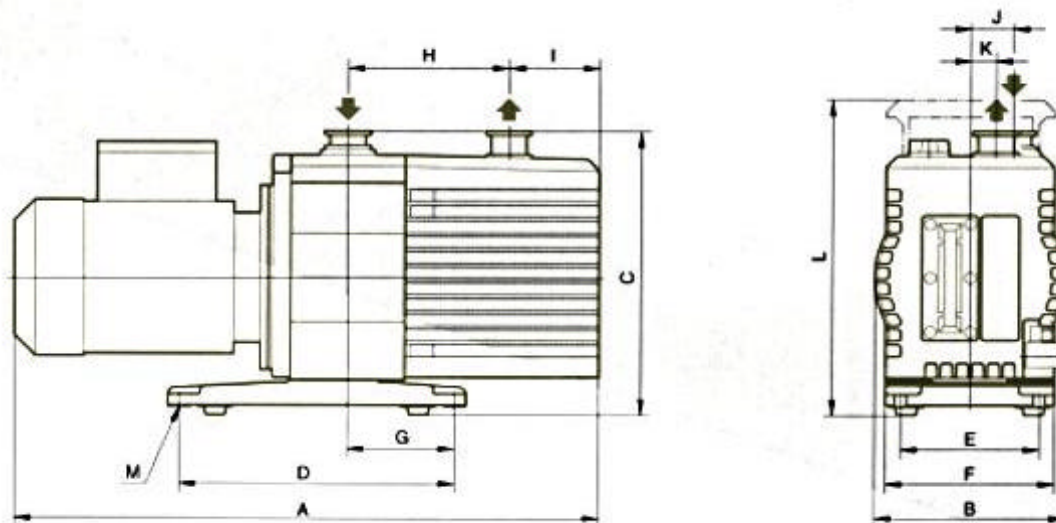
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Dimensions



HyperVac Dimensions

Inches

Model	A	B	C	D	E	F	G	H	I	J	K	L	M
HyperVac 2070	17.7	6.5	9.6	9.4	4.7	5.7	3.7	4.3	2.0	1.5	1.1	10.2	0.4
HyperVac 2120	18.9	6.5	9.6	9.4	4.7	5.7	3.7	5.5	2.0	1.5	1.1	10.2	0.4
HyperVac 2200	18.9	6.5	9.6	9.4	4.7	5.7	3.7	5.5	2.0	1.5	1.1	10.2	0.4

Mm

Model	A	B	C	D	E	F	G	H	I	J	K	L	M
HyperVac 2070	450	165	245	240	120	146	93	110	50	37	28	258	9
HyperVac 2120	480	165	245	240	120	146	93	140	50	37	28	258	9
HyperVac 2200	480	165	245	240	120	146	93	140	50	37	28	258	9

Other Products

Other direct drive and belt drive vacuum pumps in many other sizes. Vacuum fittings for system building. Vacuum gauges, oil, sealants, hose, tubing, chambers and most any other item related to vacuum.

More information on these and other products on the internet at our website at <http://www.hyvac.com>