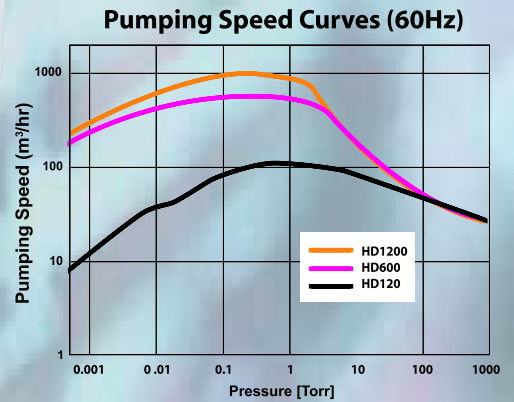


LD120/HD120 Series

LD 120 / LD 1000
HD 120 / HD 600 / HD 1200

High Efficiency, Compact Solution for Point of Use Applications



LD Series: Clean to Light Duty Service, Low Power Consumption

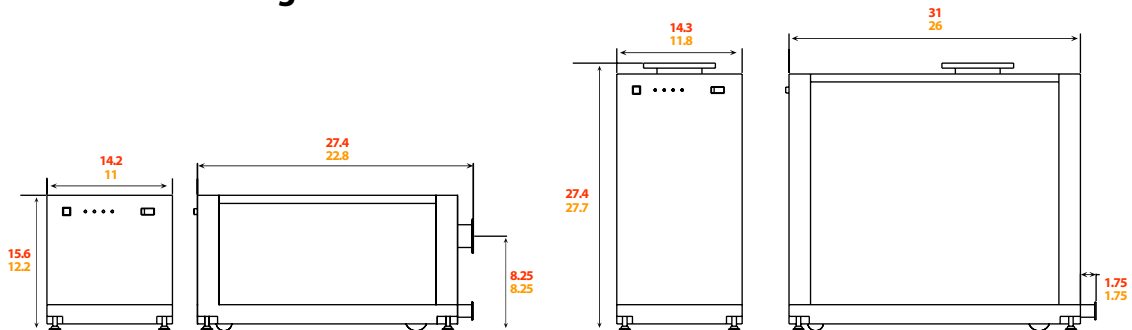
Applications

- Load Lock • General Vacuum • PVD • Preclean
- Transfer • Metrology & Inspection • Etch • Implant

HD Series: Harsh Duty Service, Low Power Consumption

Applications

- CVD • PVD • Etch • High Particulate • High Water Vapor
- Vacuum Ovens • Heat Treating • Lamination



LD120 & HD120 (in)

LD1000 & HD600/HD1200 (in)

LD120 & HD120 Series

Technical Data

	Units	LD120	LD600P	LD1000	HD120	HD600	HD1200
Pumping speed 60Hz operation	cfm (m ³ /hr)	70 (120)	400 (680)	530 (900)	70 (120)	400 (680)	588 (1000)
Ultimate pressure with full purge	Torr	≤5.0x10 ⁻³	≤5.0x10 ⁻³	≤5.0x10 ⁻⁴	≤5.0x10 ⁻³	≤5.0x10 ⁻⁴	≤5.0x10 ⁻⁴
Pumping stages		1	2		1	2	
Maximum exhaust pressure	psig (bar)	7.2 (1.5)					
Nitrogen Consumption (Not required for inert gas loads)	L/min	0	14 ~ 35		14 ~ 50		
Nitrogen Connection	inch	1/4"Swagelock					
Cooling water requirements, approx. Cooling water flow	L/min	1.9					
Cooling water temp	°F/°C	60 to 86 / 15 to 30					
Cooling water pressure with ΔP ≥ 1 bar	psig (bar)	36 to 116 (3.5 to 9)					
Cooling water connection	inch	1/4" NPTF with Quick Connector					
Intake Port	mm	KF 50	DN 100 ISO-K	ISO 100	ISO 63	ISO 100	
Exhaust port	mm	KF25	DN 25 KF	KF25	KF 40		
Dimensions WxLxH	inches	22.8 x 11 x 12.2	12 x 16 x 27	12 x 26 x 28	27.4 x 14.2 x 15.6	31 x 14.3 x 27.4	
Weight	lbs. (kg)	225 (102)	496 (225)	496 (225)	331 (150)	617 (280)	595 (270)
Maximum ambient temperature	°F/°C	104 / 40					
Minimum ambient temperature	°F/°C	50 / 10					
Power consumption At Ultimate Pressure	kw	1.5	1.9	2.2	2.6	3.3	3.3
Supply Voltage	V / φ / Hz	208 / 3 phase / (50/60); 460 / 3 phase (50/60)					
Sound level	db (A)	58		60	64		