Leybold

DURADRY

The next stage of high-performance dry screw vacuum technology

DURADRY 160-250

Introducing Leybold's new range of dry screw vacuum pumps

With a sleek new design and an efficient gas and cooling system, the new Leybold DURADRY dry screw vacuum pumps are a cut above the previous models. The patented screw rotor profile and superior features make it a top choice for tough industrial processes.

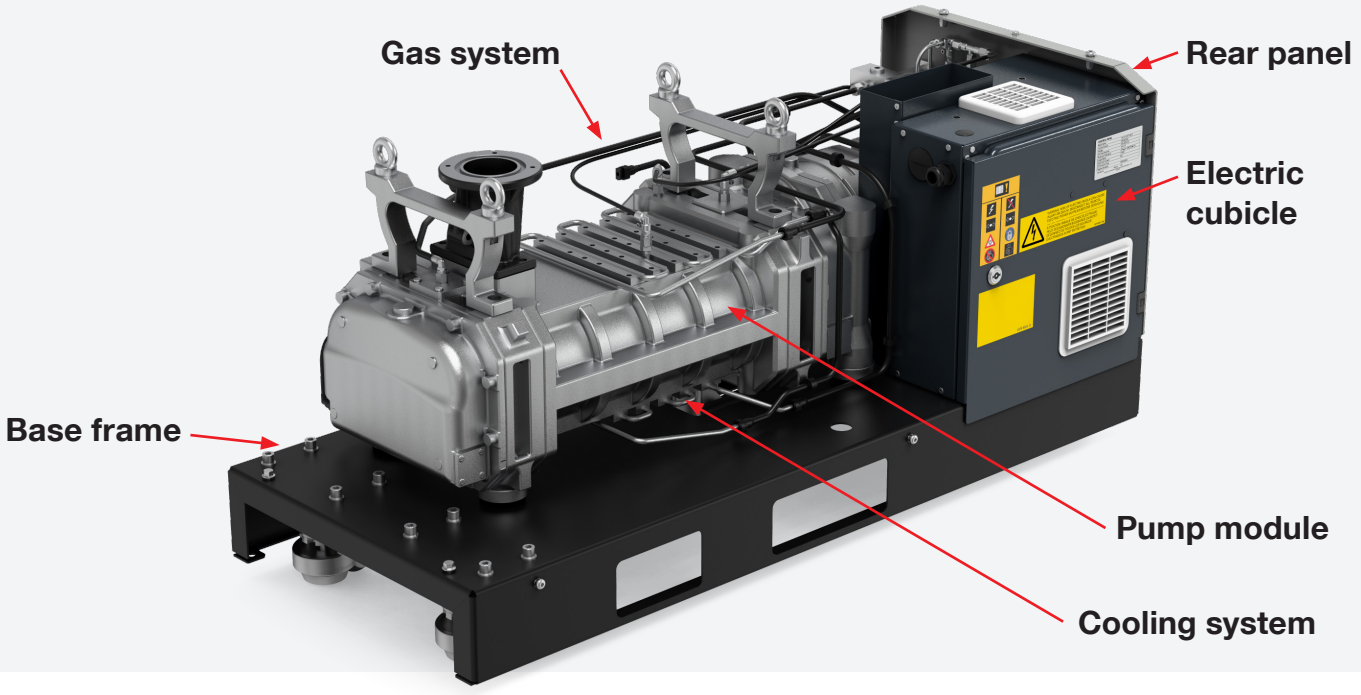
- **Easy to use:** Plug & Go design allows various connector options, easy operation through a separated cubicle, and simple serviceability.
- **High efficiency:** Improved heat distribution, thermal control, dust handling capability and low power consumption ensures better operations.
- **Robust build:** Equipped with sensors and a dynamic seal design, the fully hermetic system ensures no oil leakage and quieter working environment.
- **PFPE ready:** Ideal for harsh applications and environments, the DURADRY can withstand high temperatures, high oxygen and slightly corrosive conditions.

Stable heat management
Stainless steel cooling system avoids corrosions

Reduced noise
Less than 64 dB of noise and vibration for easier working

Robust gas sealing
Prevents sealing system, bearings and lubricant contamination

Smart drive
Monitors rotor frequency, temperatures etc. for self-protection



Application list:

- Crystal pulling
- Coating
- Battery filling/drying
- Plasma cleaning
- Solar panel manufacturing

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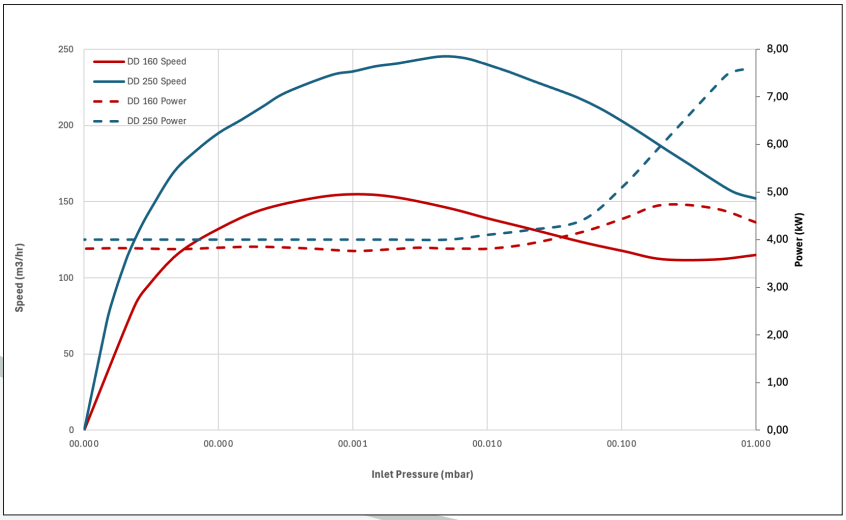
Technical data		DURADRY 160	DURADRY 250
Ultimate Vacuum	mbar (Torr)	1 x10^{-2} (8x10^{-3})	
Peak Pumping Speed	m3/hr (cfm)	160 (94)	250 (147)
Maximum Rotor Speed	Rev/min	6600	6600
Inlet/Outlet Flange		ISO63/NW40	ISO63/NW40
Dimensions	L x W x H mm (in)	1265 x 520 x 566 (49.8 x 20.47 x 22.28)	
Ultimate Power	kW (hp)	3.8 (5.1)	4.0 (5.4)
Full Load Power	kW (hp)	4.7 (6.3) (motor: 7.5 kW rated power)	7.5 (10) (motor: 7.5 kW rated power)
Connection	inch	3/8 inch BSP Female (G 3/8")	
Cooling Flow (Always On)	l/min (gal/min)	4.0 (1.1)	
Maximum Supply Pressure	barg (psig)	6.9 (100)	
Temperature	°C (°F)	5-40 (41-104)	
Connection	inch	1/2 inch BSP female	
Pressure	barg (psig)	2.5 - 6.9 (36 - 100)	
Shaft Seal Flow (Always on)	l/min	max. 12	
Gas Ballast Flow (Manual Adj.)	l/min	0-50	
Ambient Temperature Range	°C (°F)	5 to 40 (41 to 104)	
Noise Level with Silencer	dB(A)	<64	
Maximum Exhaust Back Pressure	bara (psia)	1.2 (17.4)	
Oil		PFPE	

Performance curves:



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Pioneering products. Passionately applied.