



Company

For 60 years PVR has been a leader providing high quality and reliable vacuum pumps. PVR means primarily trusted and advanced technologies, but also sustainable development for the stakeholders, environmental protection and focus on energy saving. The experience acquired during these years of activities, allows PVR to offer products and services that are always reliable and innovative.



Machining Division

With a view to verticalization of its processes and increased capacity to provide more services to customers, PVR has had a specialized Machining Division for brass, steel, cast iron, stainless steel, and aluminum components since 2023.

Professionalism, experience, and quality characterise PVR Machining Division in the machining of numerous parts for vacuum pumps and components in the industrial, automotive, petrochemical, hydraulic, and electrical sectors.



Service

PVR guarantees a qualified advice for every inquiry thanks to its skilled technical/sales office that supports every project. The Service Department assists and advises our customers with scheduled maintenance, qualified overhauls and spare parts ready for delivery.

PVR Srl
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SERVICE:

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MACHINING DIVISION:

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012500-EN



Provide trusted & advanced technologies



Dry screw
vacuum pumps
SCREWVAC SD Series



www.pvr.it

SCREWVAC SD Series

Dry screw vacuum pumps

The SCREWVAC series dry screw vacuum pumps, thanks to the exclusive "hybrid" design of the high efficiency rotors, allow significant energy savings and a low exhaust gas temperature. Hybrid Variable Pitch developed by combining and maximizing advantages of both Single pitch and Variable pitch.

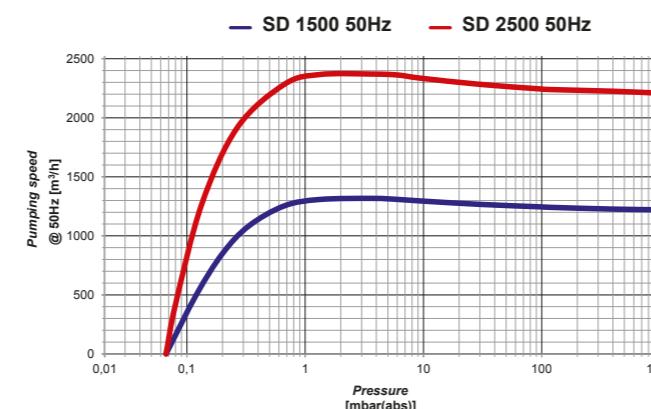
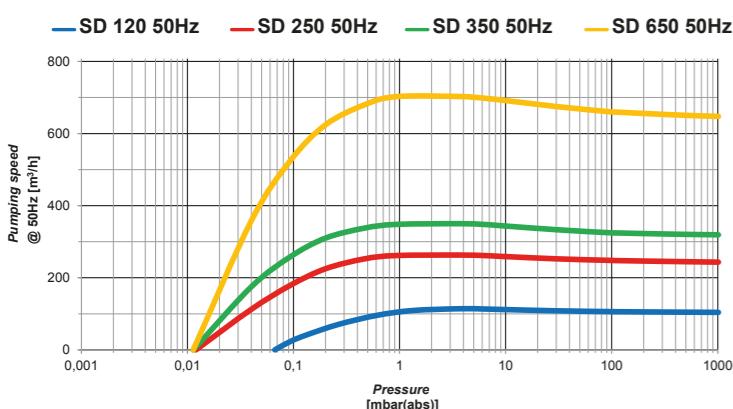


Also available in
VFD version
Variable
Frequency Drive

Applications

Pharmaceuticals: Evaporation, Crystallization, Distillation, Filtration, Solvent Recovery
Polymers: Extrusion
Glass and solar: Impregnation and Coating
Metallurgy: Steel Degassing
Food: Vacuum Process
LNG (Liquefied natural gas): Vacuum Insulation

		SD 120	SD 250	SD 350	SD 650	SD 1500	SD 2500
Nominal pumping speed	50 Hz	110	250	330	660	1250	2250
	60 Hz	130	300	400	800	1500	2700
Ultimate pressure (abs)	50 Hz						
	60 Hz	≤ 0,07	≤ 0,01	≤ 0,01	≤ 0,01	≤ 0,07	≤ 0,07
Motor power	50 Hz ~ 3	4	7,5	7,5	15	30	45
	60 Hz ~ 3	4	7,5	11	18,5	45	55
Motor speed	50 Hz	2900	2900	2900	2900	1450	1450
	60 Hz	3500	3500	3500	3500	1750	1750
Noise level	50 Hz	75	77	79	80	81	82
	60 Hz	77	79	81	82	83	84
Cooling water (@ 15°C)	l/min	5-10	10-15	10-15	15-20	30-40	40-50
Dimensions	mm	L x B x H	1142x315x617	1309x415x778	1415x465x805	1722x546x895	2400x711x1110
Total weight	kg	Bareshaft	165	350	460	630	1540
							2250



SCREWVAC SD 350 BARESHAFT

SCREWVAC SD 350 BARESHAFT

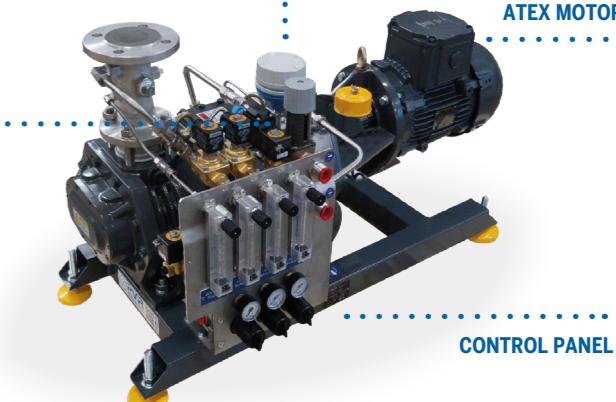


Accessories

A series of accessories are available to qualify the pump according to the specific application and the sucked gases:

- Inlet Filter
- Inlet Purge kit
- Seal Purge kit
- Solvent Flush kit
- Gas Ballast kit
- Exhaust Silencer(304SS)
- Non Return Valve (304SS)

TEMPERATURE ELEMENT (TE) :



SCREWVAC SD 120

Screwvac SD BARESHAFT series screw pumps are ATEX certified up to category II 2G Ex h T4 IIC Gb

Advantages

- Efficient water cooling system allows to better manage the operating temperature of the pump, adapting it to the application purpose.
- Immediate Solvent Recovery at Pump Exhaust
- No Contamination of Process Stream
- Low Discharge Temperature
- Long service intervals
- Low cost of maintenance

Furthermore, a special surface treatment of the screws and the stator increases resistance to corrosion, extending the life of the pump. Atex version available.

