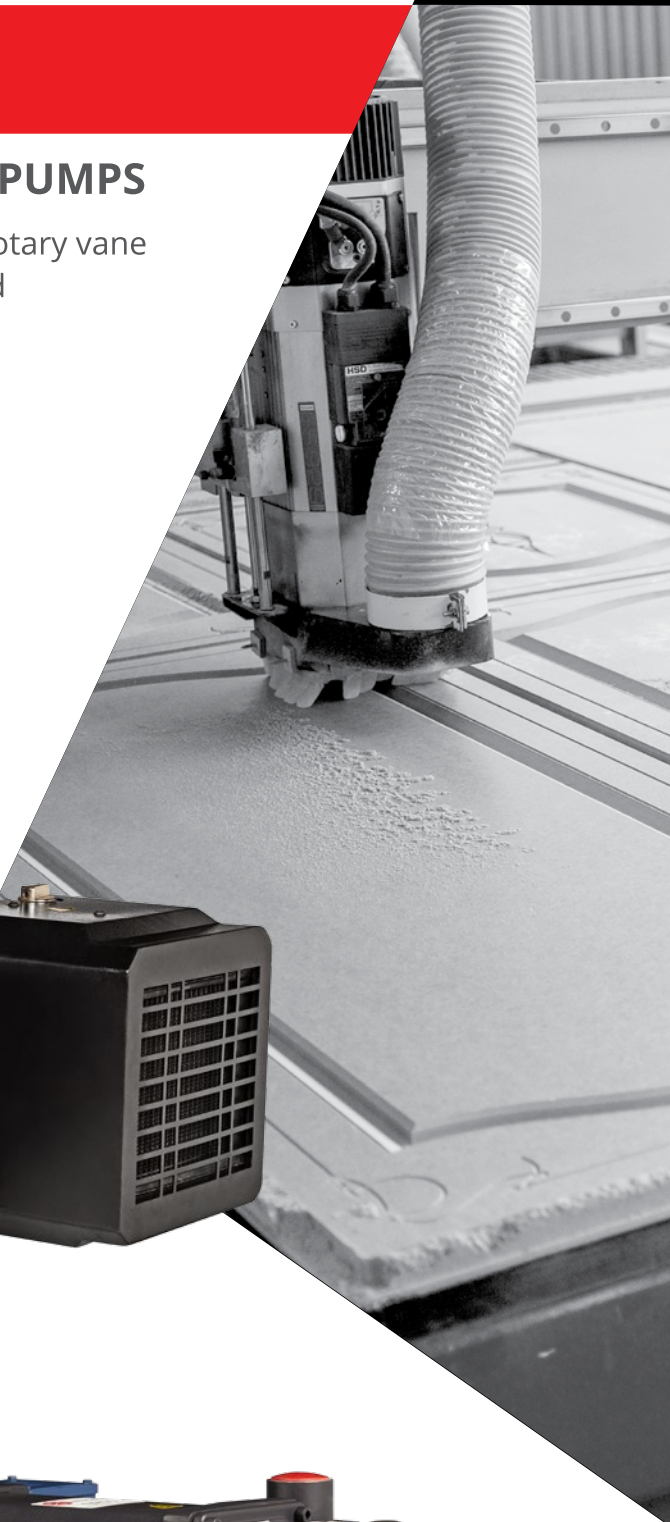




SP SERIES

SINGLE STAGE VACUUM PUMPS

Rugged, Single stage, oil sealed, rotary vane vacuum pumps of Global standard



About us

HHV Pumps is a vacuum solutions company catering to the Industrial, Process and Scientific Vacuum market.

Rough vacuum – Pick & place, Job holding, Woodworking, Thermoforming etc.

Medium vacuum – Refrigeration and Air Conditioning, Transformer oil filtration, Distillation etc.

High vacuum – Industrial and Scientific R&D, High Vacuum Distillation, Space Simulation etc.

HHV Pumps offers Vacuum Pumping Systems, Solutions, and Services to its customers. Our team in Bangalore is supported by global vacuum technology experts having more than four decades of experience. The core team is working together since inception fuelling the growth of the organization along with every individual's professional growth. We have an all India Sales and Service network with eight strategically located branches. Our motto is to support our stakeholders for all Vacuum Pumping requirements. We also supply a wide range of products to International customers through our Global partners. HHVP has strong applications expertise built on decades of experience in International Vacuum industry enabling us to provide solutions and not just products.

We are the only Indian company with advanced technological capability for manufacturing Vacuum Pumps to Global standards.



SP16

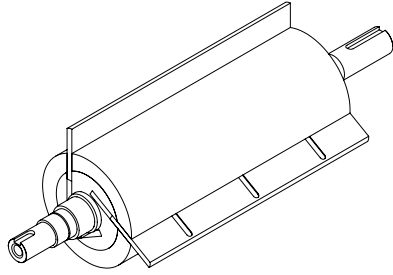
SP40

SP65A

SP100A

SP200

SP300



SP series is one of our fastest moving product ranging from 17 to 300m³/h pumping speeds. The pumps are suitable for various applications needing vacuum in a spectrum of few hundred mbar to 1mbar.

Variable gas ballast technique ensures lesser oil contamination.

Features

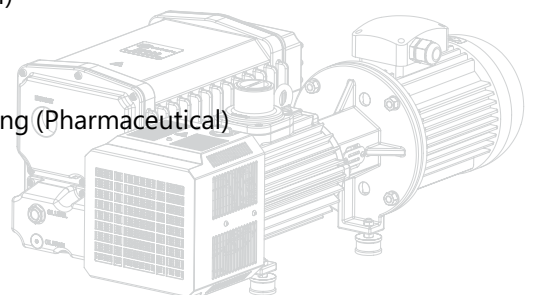
- Robust and compact
- High pumping speed even at low pressures
- Gas Ballast valve fitted as standard with easy access
- Exhaust mist filter with built-in bypass valve
- Quiet in operation
- Minimal vibration
- Integral anti-suck back valve
- Less oil consumption
- Air-cooled
- Easy to service

Industry/Markets

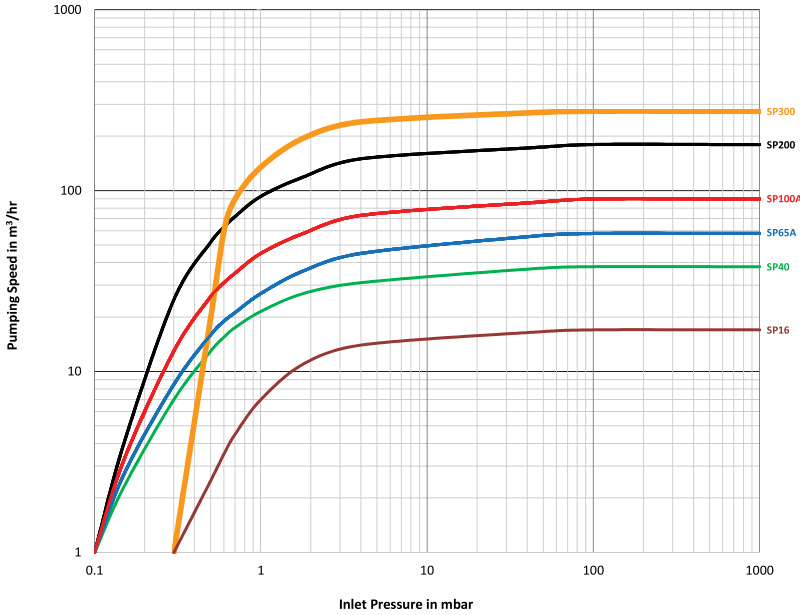
- Coating & deposition
- Food processing
- Metallurgy/Furnace
- Power engineering
- Automotive
- Pharmaceutical
- Packaging
- Research & development
- Central vacuum systems
- Laminator

Typical Applications

- Resin infusion (wind shield)
- Job holding (CNC), pick & place (gantry robot)
- Vacuum material conveying (powder transfer)
- Tray drying, roto-cone evaporator
- Agitated thin film dryer (ATFE)
- Transformer/capacitor vapour phase drying (electrical)
- Vacuum filtration (Chemical)
- Solar lamination
- Resin impregnation
- Capsule filling, blister packing (Pharmaceutical)
- Food packaging



Performance Curves



Specifications

Particulars	Unit	SP16	SP40	SP65A	SP100A	SP200	SP300
Nominal pumping speed @ 50Hz	m ³ /h (L/min)	17 (284)	43 (717)	65 (1083)	102 (1700)	192 (3200)	300 (5001)
Ultimate vacuum (Total pressure)	Gas ballast closed in mbar (Torr)	≤ 0.3 (0.22)	≤ 0.1 (0.07)	≤ 0.1 (0.07)	≤ 0.1 (0.07)	≤ 0.1 (0.07)	≤ 0.3 (0.22)
	Gas ballast open in mbar (Torr)	≤ 1.5 (1.125)	≤ 1.5 (1.125)	≤ 1.5 (1.125)	≤ 1.5 (1.125)	-	-
	Small gas ballast in mbar (Torr)	-	-	-	-	≤ 0.8 (0.6)	≤ 0.8 (0.6)
	Standard gas ballast in mbar (Torr)	-	-	-	-	≤ 1.5 (1.125)	≤ 1.8 (1.35)
	Big gas ballast in mbar (Torr)	-	-	-	-	≤ 2 (1.5)	≤ 2.5 (1.87)
Water vapour pumping capacity	kg/h	0.3	0.9	1.4	2.2	1.5, 2.5, 4*	2.4, 4.5, 6*
Water vapour tolerance	mbar	40	40	40	40	20, 30, 40*	20, 30, 40*
Nominal power rating at 50Hz	kW (HP)	0.75 (1)	0.75 (1)	1.5 (2)	2.2 (3)	3.7 (5)	5.5 (7.5)**
Motor rotational speed at 50Hz	rpm	1500	1000	1500	1500	1500	1500
Weight	kg (lb)	29	53	59	80	139	193
Inlet connection		G 3/4" F	G 1 1/4" F	G 1 1/4" F	G 1 1/4" F	G 2" F	G 2" F
Outlet connection		G 3/4" F	G 1 1/4" F	G 1 1/4" F	G 1 1/4" F	G 2" F	G 2" F
Oil capacity	Lts	1	1.8	1.8	2	7	9
Recommended oil	Standard	IG68					
Power supply		Three Phase 415V, 50Hz***	Three Phase 415V, 50Hz				

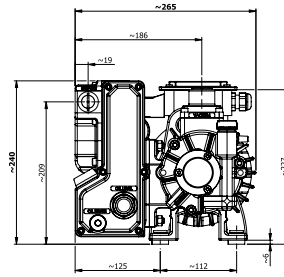
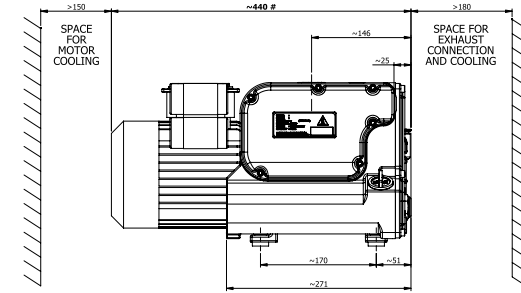
* Small, Standard and Big Gas ballast

** One step higher size motor available

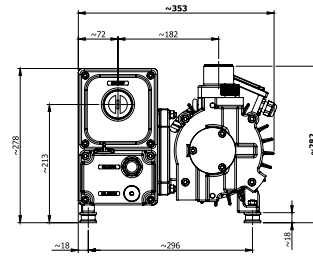
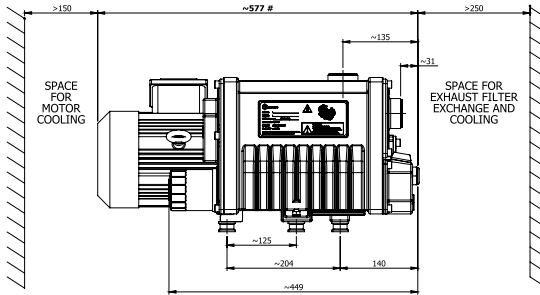
*** Optional single phase motor available

Dimensions

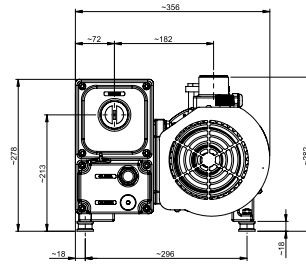
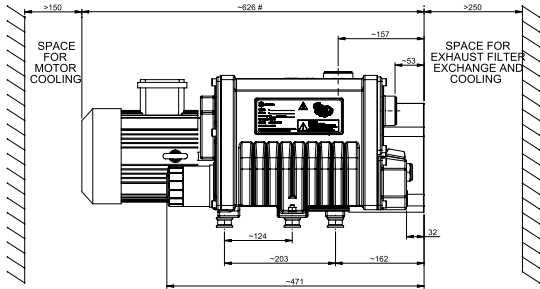
SP16



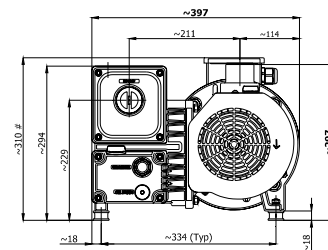
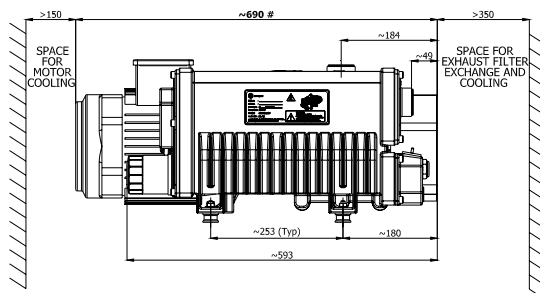
SP40



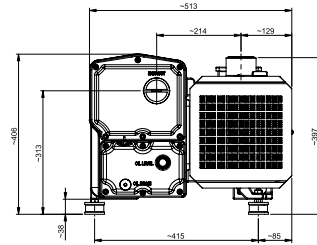
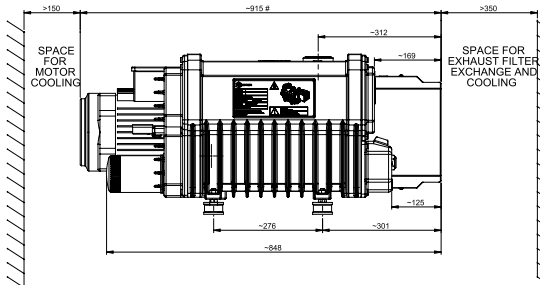
SP65A



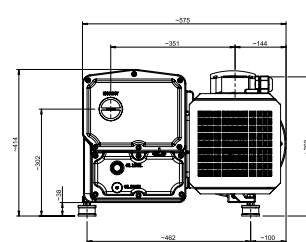
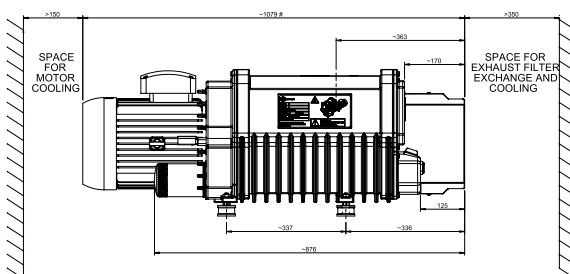
SP100A



SP200



SP300



All dimensions indicated above are in mm

SARVADHAR TRADING PVT LTD
Authorized Distributor



HHV PUMPS
Vacuum Technology Solutions and Services

Ahmedabad
Mob: +91 99988 61461

Rajkot
Mob: +91 97250 55006

 info@sarvadhartesting.com  www.sarvadhartesting.com

© Sarvadhhar Trading Pvt. Ltd. All Rights Reserved. Product specification may change without notice.