



New SVP Series Single Stage Vacuum pumps



Product Description

SVP Series vacuum pump is single stage, direct driven, oil-sealed and air cooled. A rotor with three vanes is positioned inside the pump cylinder and it is supported by means of two bearings. SVP series vacuum pump has an inbuilt gas ballast valve with easy accessibility; by this feature the condensable gases or vapours can be removed depending on different applications. SVP Series has one of the simplest and most reliable oil recirculating systems; the oil circulation in pump chamber for sealing, lubrication and cooling of the pump is recycled from the pump's oil reservoir.

Features

- Robust and compact
- High pumping speed also at low pressure
- Gas Ballast valve fitted as standard with easy access
- Exhaust mist filter with inbuilt bypass valve
- Quiet operation
- Minimal vibration
- Integral anti-suck back valve
- Lower oil consumption
- Low space requirement, easy to install
- Air-cooled (no water cooling required)
- Exhaust mist filter for economical operation and protection
- Easy serviceability
- Built-in oil filtration with automotive type spin-on filter



Technical Specifications

Description	Unit	SVP10	SVP16	SVP30	SVP40
Nominal Speed	Cu.m/hr	10	17	30	40
Liter / Minute	LPM	166	280	500	660
Ultimate Total Pressure (Gas ballast closed position)	mbar	$\leq 5.0 \times 10^{-1}$ (0.5)	$\leq 5.0 \times 10^{-1}$ (0.5)	$\leq 5.0 \times 10^{-1}$ (0.5)	$\leq 5.0 \times 10^{-1}$ (0.5)
Ultimate Total Pressure (Gas ballast Open position)	mbar	$\leq 1 \times 10^0$ (1)	$\leq 1 \times 10^0$ (1)	$\leq 1 \times 10^0$ (1)	$\leq 1 \times 10^0$ (1)
Pump Rotational Speed at No Load Condition	RPM	1440	1440	1440	1440
Motor Rating	KW / HP	0.55 / 0.75	0.75 / 1.0	1.5 / 2.0	1.5 / 2.0
Weight with Motor	KGS	20	29	34	54
Inlet - Outlet Connection	INCH	½"–½"	1"×1"	1¼"–1¼"	1¼"–1¼"
Oil Level Max.	Liter	0.5	0.8	1	1
Recommended Oil	Precise Make	PVO100 – Double Distilled Vacuum Pump Oil	PVO100 – Double Distilled Vacuum Pump Oil	PVO100 – Double Distilled Vacuum Pump Oil	PVO100 – Double Distilled Vacuum Pump Oil
Motor Power	—	3Ph. 415V, 50Hz.	3Ph. 415V, 50Hz.	3Ph. 415V, 50Hz.	3Ph. 415V, 50Hz.
Dimensions	L×W×H	410 × 231 × 161	440 × 265 × 240	620 × 197 × 214	549 × 353 × 282

Table 2

Description	Unit	SVP65	SVP100	SVP200	SVP300
Nominal Speed	Cu.m/hr	65	100	200	300
Liter / Minute	LPM	1083	1700	3200	5001
Ultimate Total Pressure (Gas ballast closed position)	mbar	$\leq 5.0 \times 10^{-1}$ (0.5)	$\leq 5.0 \times 10^{-1}$ (0.5)	$\leq 5.0 \times 10^{-1}$ (0.5)	$\leq 5.0 \times 10^{-1}$ (0.5)
Ultimate Total Pressure (Gas ballast Open position)	mbar	$\leq 1 \times 10^0$ (1)	$\leq 2 \times 10^0$ (2)	$\leq 2 \times 10^0$ (2)	$\leq 2 \times 10^0$ (2)
Pump Rotational Speed at No Load Condition	RPM	1440	1440	1440	1440
Motor Rating	KW / HP	2.2 / 3.0	2.2 / 3.0	5.5 / 7.5	7.5 / 10.0
Weight with Motor	KGS	64	90	185	174
Inlet - Outlet Connection	INCH	1¼"–1¼"	1¼"–1¼"	2"–2"	2"–2"
Oil Level Max.	Liter	2	2	7	7
Recommended Oil	Precise Make	PVO100 – Double Distilled Vacuum Pump Oil	PVO100 – Double Distilled Vacuum Pump Oil	PVO100 – Double Distilled Vacuum Pump Oil	PVO100 – Double Distilled Vacuum Pump Oil
Motor Power	—	3Ph. 415V, 50Hz.	3Ph. 415V, 50Hz.	3Ph. 415V, 50Hz.	3Ph. 415V, 50Hz.
Dimensions	L×W×H	667 × 420 × 298	672 × 420 × 305	916 × 570 × 429	916 × 570 × 429

Application/Uses

- Automotive
- Laminator
- Leather
- Logistics
- Packaging
- Pharmaceutical
- Power
- Solar