



• Innovation • Technology • Excellence



## Oil Vane Vacuum Pump

Unmatched Technology . Superior Performance . Trouble free operations

# OIL LUBRICATED VACUUM PUMP



## APPLICATIONS

- VACUUM DISTILLATION
- VACUUM DRYING
- VACUUM PACKAGING
- VACUUM MEMBRANE PRESS
- FILTRATION
- DEGASSING
- RUBBER MOULDING
- FOOD PROCESSING
- JEWELERY CASTING
- VACUUM OVEN
- GLASS LAMINATION
- PICK & PLACE



MODEL	CAPACITY	VACUUM (in mbar)	MOTOR (H.P.)(3 Phase)	MOTOR (H.P.)(Single Phase)	OIL CAPACITY (ltrs.)	WATER VAPOUR TOLERANCE (mbar)	WATER VAPOUR CAPACITY (kg/hr)
SP 20 OL	20 M <sup>3</sup> /Hr	.5	1	1	1	30	.250
SP 25 OL	25 M <sup>3</sup> /Hr	.5	1	1	1	30	.300
SP 30 OL	30 M <sup>3</sup> /Hr	.5	1.5	1.5	1	30	.400
SP 40 OL	40 M <sup>3</sup> /Hr	.5	2	2	2	30	.600
SP 65 OL	65 M <sup>3</sup> /Hr	.5	2	NA	2	30	1.4
SP 100 OL	100 M <sup>3</sup> /Hr	.5	3	NA	3	30	2
SP 150 OL	150 M <sup>3</sup> /Hr	.5	5	NA	5	30	3
SP 200 OL	200 M <sup>3</sup> /Hr	.5	7.5	NA	5	30	4
SP 300 OL	300 M <sup>3</sup> /Hr	.5	10	NA	7	30	6

# DIRECT DRIVE VACUUM PUMP

Air Cooled Double Stage  
Vacuum Pump Upto 1000 LPM

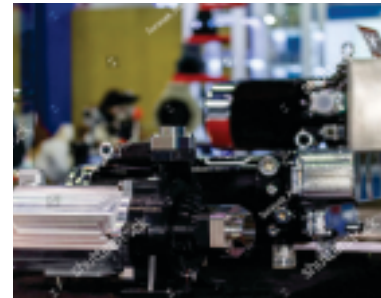


## APPLICATIONS

- GAS CHARGING IN AIR CONDITIONER
- GAS CHARGING IN REFRIGERATOR
- FREEZE DRYING
- FILAMENT BULB
- VACUUM FLASK
- DISTILLATION
- CHEMISTRY LABORATORIES
- THIN FILM COATING

MODEL	PUMPING CAPACITY (LPM)	OIL CAPACITY (LTR)	MOTOR H.P.	INLET CONNECTION		WEIGHT WITH MOTOR
				OPTION 1	OPTION 2	
SP 200 DD	200	1	.75	KF 25	3/4" BSP	26
SP 350 DD	350	2.5	1	KF 25	3/4" BSP	52
SP 600 DD	600	2.5	1.5	KF 40	3/4" BSP	56
SP 1000 DD	1000	3.5	2	KF 40	1" BSP	75

Ultimate Vacuum: 0.001 mm of Hg in Double Stage Pump (McLeod Gauge)



# OIL SEALED ROTARY VANE VACUUM PUMP

## APPLICATIONS

- THIN FILM COATING
- CAPACITOR
- VACUUM IMPREGNATION
- VACUUM FLASK
- TRANSFORMER OIL FILTRATION
- TRASFORMER DRYING
- BREAK LINE EVACUATION
- PACKAGING
- CRYOGENIC VESSEL
- FILAMENT BULP
- ANNEALING
- DISTILLATION
- JEWELRY CASTING
- FOOD PROCESSING

AIR COOLED VACUUM PUMP 200 LPM TO 1250 LPM

MODEL	PUMPING CAPACITY (LPM)	NO. OF STAGE	OIL CAPACITY (LTR)	MOTOR H.P.	INLET CONNECTION	
					BSP	NOZZLE (OD)
SP 200 S	200	1	3	0.5	1/2"	26 mm
SP 200 D	200	2	3.5	1	1/2"	26 mm
SP 21 S	350	1	3.5	1	1/2"	26 mm
SP 21 D	350	2	3.5	1	1/2"	26 mm
SP 600 D	600	2	5	1.5	3/4"	32 mm
SP 1000 D	1000	2	6	2	1"	40 mm

WATER COOLED VACUUM PUMP 1500 LPM TO 7500 LPM

MODEL	PUMPING CAPACITY (LPM)	NO. OF STAGE	OIL CAPACITY (LTR)	PUMP RPM	MOTOR HP	INLET FLANGE SIZE
SP 1500 D	1500	2	8	525	3	1.50"
SP 2500 D	2500	2	16	525	5	2"
SP 3500 D	3500	2	20	525	7.50	2.50"
SP 5000 D	5000	2	26	525	10	3"
SP 7500 D	7500	2	31	525	12.5	4"

Ultimate Vacuum : 0.001 mm of Hg in double stage pump (By Mcleod Gauge)  
Ultimate vacuum in single stage pump : .05 mm of Hg (By Mcleod Gauge)

Single stage pumps are also available



# CHEMICAL SERIES VACUUM PUMP For Distillation & Drying Application

Almost all distillation and drying applications have a common problem that lot of condensable vapor enters into pump and contaminates the oil. If oil is not changed then vacuum level deteriorates & also damage internal parts.

Chemical series vacuum pump is designed to handle higher amount of condensable vapor. It achieves high vacuum upto  $10^{-1}$  Torr at suction port of vacuum pump. If higher vacuum is required then we offer combination of Rotary Vane Pump and Roots Pump.

## Advantages of Chemical Series Pump over Double Stage High Vacuum Pump & Piston Pump

- a.) Improve product quality & plant efficiency by reducing distillation temperature.
- b.) Save on operating cost by reducing batch time or distillation temperature or sometimes both
- c.) Low maintenance cost due to less oil contamination & longer maintenance interval in comparison to double stage rotary vane pump
- d.) Safeguard pump from dust like impurities, polymer, etc. by installing inlet trap, filled with ceramic balls. It traps 50 to 75% of impurities.



MODEL	SP 15 CS	SP 21 CS	SP 60 CS	SP 300 CS	SP 500 CS
TYPE	Direct Drive	Direct Drive	Belt Drive	Belt Drive	Belt Drive
COOLING	Air cooled	Air cooled	Air cooled	Water cooled	Water cooled
PUMPING SPEED (M <sup>3</sup> /Hr)	15 M <sup>3</sup> /Hr	21 M <sup>3</sup> /Hr	60 M <sup>3</sup> /Hr	300 M <sup>3</sup> /Hr	500 M <sup>3</sup> /Hr
PUMPING SPEED (LPM)	250 LPM	350 LPM	1000 LPM	5000 LPM	8500 LPM
ULTIMATE VACUUM (Closed Gas Ballast)	0.1 mbar	0.1 mbar	0.1 mbar	0.1 mbar	0.1 mbar
ULTIMATE VACUUM (Open Gas Ballast)	1 mbar	1 mbar	1 mbar	1 mbar	1 mbar
WATER VAPOUR TOLERANCE	40 mbar	40 mbar	40 mbar	40 mbar	40 mbar
WATER VAPOUR CAPACITY	200 g/Hr	300 g/Hr	1 Kg/Hr	5 Kg/Hr	8 Kg/Hr
PUMP SPEED (RPM)	1440	1440	960	800	800
OIL CAPACITY	1 Liter	1.5 Liter	5 Liter	16 Liter	26 Liter
MOTOR RPM	1440	1440	1440	1440	1440
MOTOR H.P	.75 H.P	1 H.P	2 H.P	10 H.P	15 H.P

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(ISO-9001 : 2008 QUALITY CERTIFIED)

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