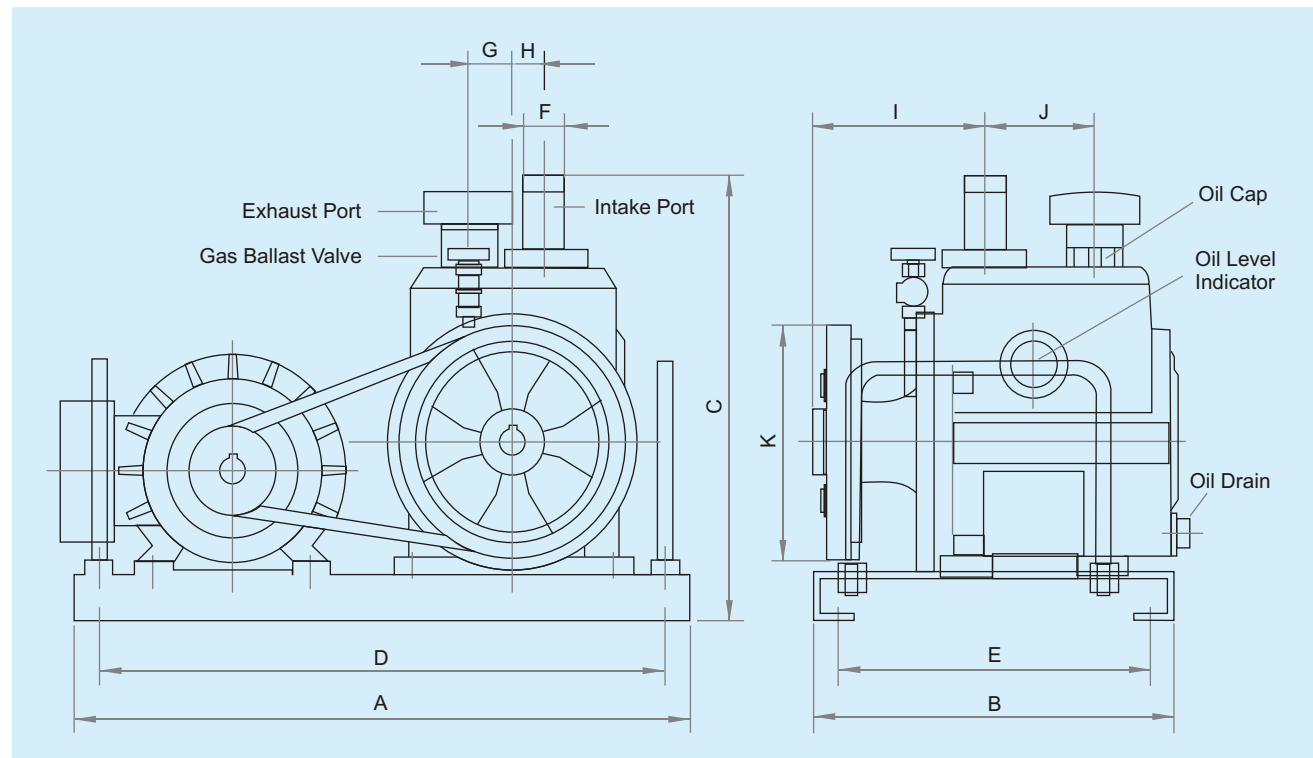


WSVP 9000 Series

Outside Dimensions



DIMENSIONS	MODEL	A	B	C	D	E	Ø F	G	H	I	J	Ø K	Ø L
	WSVP 9010	463	250	285	425	175	25	30	20	122	73	171	13
	WSVP 9018	488	285	342	450	200	32	35	25	135	88	171	13
	WSVP 9030	545	310	365	515	275	32	40	30	145	100	171	13
	WSVP 9060	610	350	424	580	310	46	50	35	171	110	210	13
	WSVP 9100	640	420	504	610	340	49.5	59	40.5	192	130	219	13

All dimensions are in mm



INDO WOOSUNG VACUUM CO. PVT. LTD.

Joint venture with Woosung Vacuum Co. Ltd. of South Korea

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WSVP 9000 Series Double Stage

Oil Sealed Rotary Vane
Vacuum Pump

Capacity 100 to 1000 LPM
Ultimate Pressure : $< 1 \times 10^{-3}$ Torr

INDO WOOSUNG VACUUM CO. PVT. LTD.



Technical Specifications

WSVP 9000 Series



World Class Manufacturing Plant at Belgaum

WOOVAC - WSVP 9000 series double stage oil sealed rotary vane high vacuum pumps are manufactured in collaboration with **Woosung Vacuum Co. Ltd. of South Korea**, who are leaders in the field of vacuum pump technology for more than 30 years, with many patents and prestigious awards to their credit. WOOVAC pumps are manufactured by **Indo Woosung Vacuum Co. Pvt. Ltd.** in their modern 45,000 sq.ft. world class plant at Belgaum, Karnataka. Indo Woosung uses advanced manufacturing process technology, All components are manufactured to very close tolerances on high precision CNC machines ensuring high quality & excellent interchangeability of parts.

The pumps are compact in design and offer consistent guaranteed high vacuum with very low input power and offer faster pump down time. The advanced pump design incorporating twin cylinders and components made of high quality specially graded raw materials ensure high thermal stability and superior performance. **Critical components like vanes, seals and bearings are sourced from reputed International manufacturers.** The pumps are designed and manufactured to operate in the most stringent environment and do not require any external or forced cooling due to their low temperature rise. WOOVAC pumps offer a higher degree of vacuum as compared to any other pumps currently being manufactured in India.

Woosungs' patented technology, continuous R&D and technical support combined with world class manufacturing facility at Indo Woosung ensure a product, offering high quality, reliability and long trouble free service. Indo Woosung manufactures a wide range of advanced technology vacuum pumps in India and exports a major portion of their production worldwide through the Woosung distribution network.



CNC Vertical Machining Center



High Precision NC Grinding Machine

WSVP 9000 Series

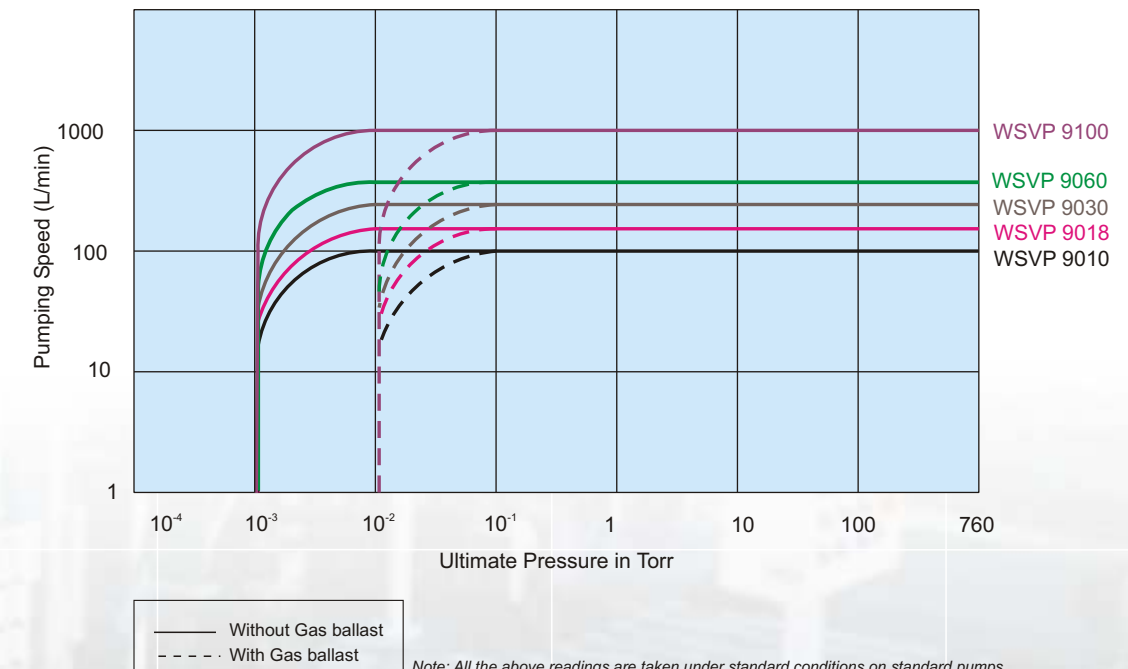
Salient Features

- Advanced compact rugged design
- Light weight, offers high degree of vacuum with lower consumption of power & oil
- Components manufactured on high precision CNC machining center and NC Grinding machine using modern manufacturing process technology ensure perfect sealing and 100% interchangeability of parts and long service life
- Specially developed vane material with very low coefficient of friction ensures high degree of dimensional stability at different operating temperatures
- High quality shell moulded graded castings ensure high vacuum levels and superior surface finish
- Extremely low noise and vibration levels
- No internal / external leakage
- Cartridge type design enabling easy and fast serviceability at site
- Intake port with anti-suckback mechanism (optional)
- Ready availability of spares, backed by nationwide efficient after sales service

Applications

- Electrical Industry
 - Transformer oil purification
 - Impregnation
 - Capacitor
- Metallurgy
 - Vacuum Furnace
 - Degassing
 - Casting
 - Impregnation
- Chemical / Pharma / Food Industry
 - Drying
 - Distillation
 - Evaporation
 - Solvent Extraction
 - Degassing
- Refrigeration & Air conditioning
- Vapour Absorption Machines
- Lamp Manufacturing - GS, TL, CFL
- Oil Treatment
- Jewellery Casting

Performance Curve



Note: All the above readings are taken under standard conditions on standard pumps

Technical Data

MODEL	UNIT	WSVP 9010	WSVP 9018	WSVP 9030	WSVP 9060	WSVP 9100	
Displacement	50 Hz	L/min	100	180	300	600	1000
		m ³ /hr	6	10.8	18	36	60
Ultimate Pressure	with Gas Ballast*	Torr					< 1 x 10 ⁻²
	without Gas Ballast*	Torr					< 1 x 10 ⁻³
Inlet Port	mm	Ø 25	Ø 32	Ø 32	Ø 46	Ø 50	
Exhaust Port	--	PF 3/4"	PF 1"	PF 1"	PF 1 1/2"	BSP 1 1/2"	
Motor Power	1 Ø / 3 Ø	kW	0.4	0.4	0.75	0.75	1.5
Rotational Speed		RPM	600				
Oil Capacity	Litre		1.3	1.8	2.2	4	6
Weight of Pump	kg		28	32	35	51	105
Weight Including Motor	kg		45	50	60	80	130

* Under specified test conditions

Note : R&D is continuous process, the specifications are subject to change without prior notice