

## ROCKING PISTON TYPE VACUUM PUMP

Indovac has developed indigenously in conformity with the international Standard product known as **Rocking piston Vacuum Pumps**. These are Available in single & Double Head models. The pumps are completely dry Running hence absolutely no oil at exhaust. All parts are made in aluminum LM6 Grade and pistons are Teflons or PTFE / Silicon any grade can be made as per Requirements.

### APPLICATIONS:

The pumps are completely dry running Pollution Control / Leak Test equipment / Dental Equipment / Pharma Industries / Vacuum Impegration & etc.

**RANGES : Capacity : 25 to 75 LPM**  
**Vacuum : 680 MM Hg**

**Pressure : Upto 60 PSI**  
**Power : 0.25 HP**

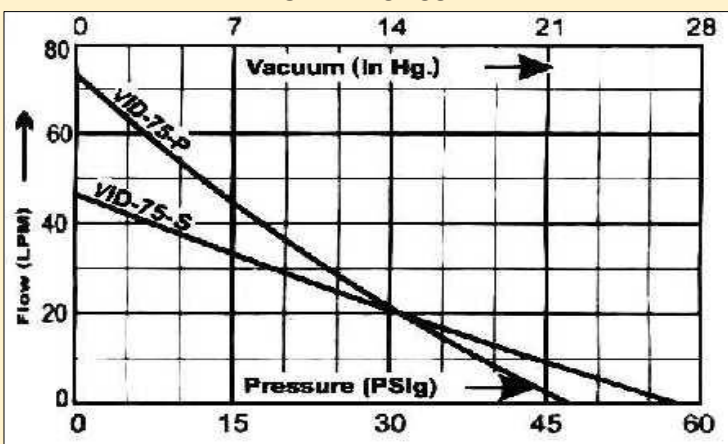


## DIAPHRAGM TYPE VACUUM PUMP

These Pumps are for Vacuum & Pressure applications. Portable, Oil Free, noiseless made of special graded aluminium die castings. Diaphragm are made of special 2-ply nylon reinforced neoprene Rubber. Widely used for Laboratory / Pollution control equipment / Material Handling equipment / medical Instruments / Dentist / Gas Charging in A.C. / Photographic developing Machine / Plastic welding / Nebuliser / Cement aeration.



PERFORMANCE CURVE



### AVAILABLE IN CAPACITY

Free air displacement : 15-75 LPM  
 Vacuum : 22-27" MM Hg  
 Pressure : 25-55 PSI  
 Power Reqd. : 1/20 1/4 HP

Mfg by:

## **INDOVAC PUMPS & ENGINEERING CO.**

UNIT NO. 20 & 21, ANAND RAJ INDL. ESTATE, SONAPUR LANE, Off LBS MARG,  
 BHANDUP (W), MUMBAI-400 078, MAHARASHTRA, INDIA.

TEL.: 022-35625176 / MOB: 9820126925/ 9920126925

E-mail: [indovac@yahoo.co.in](mailto:indovac@yahoo.co.in) / [response@indovacpumps.com](mailto:response@indovacpumps.com)

[www.indovacpumps.com](http://www.indovacpumps.com)



WHERE COMMITMENT TO QUALITY BEGINS...

# ROTARY VANE OIL SEALED HIGH VACUUM PUMPS

THERE ARE TWO TYPES OF VACUUM PUMPS IN ROTARY VANE OIL SEALED.

## MONOBLOCK TYPE

MONOBLOCK TYPE ROTARY VANE OIL SEALED HIGH VACUUM PUMPS ARE COMPACT IN SIZE, ALSO SMOOTH RUNNING AT 1440 RPM. NOISE LESS, TROUBLE FREE OPERATION, MAXIMUM OUTPUT WITH MINIMUM POWER USE. LESS OIL CHARGE MAXIMUM VACUUM LEVEL. EVENLY BALANCED WITH EXCEPTIONAL SIZE TO PERFORMANCE RATIO.

**RANGE**  
100 LPM TO 2000 LPM  
(MAXIMUM VACUUM LEVEL)

SINGLE STAGE	DOUBLE STAGE
0.05 mbar	0.005 mbar
0.25 HP	5 HP



## V- BELT DRIVEN

V BELT DRIVEN ROTARY OIL SEALED PUMPS ARE RUGGED IN DESIGN & RATED CONTINUOUS RUNNING. USED IN CHEMICAL, SOLVENT RECOVERY, PHARMA APPLICATIONS, FILTRATION PLANTS. REACTORS, RUBBER/ PLASTIC MOULDING, TRANSFORMER DRYING, DISTILLATION & MANY MORE APPLICATIONS... WHERE FINE VACUUM IS REQUIRED.



**AVAILABLE CAPACITY**  
1000 TO 10000 LPM  
(MAXIMUM VACUUM LEVEL)

SINGLE STAGE	DOUBLE STAGE
0.05 mbar	0.005 mbar
0.5 HP	15 HP

Mfg by: \_

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## TURBINE BLOWER/SIDE CHANNEL BLOWER



Dynamic compression by transforming flow energy into pressure energy. Compact and vertical shaft design integral silencer and suction mask, free of wear and maintenance by non contact operation. The pumping medium is not contaminated.

### Applications:

Plastic industry, Air Pollution Monitoring Equipment, Aeration, Pneumatic Conveying, Industrial Vacuum Cleaners, Manufacturing of Textiles, Measuring medical & laboratory Equipments, Printing & Paper Handling, Vacuum packing, Waste water treatment, Reprographics.

### Available in Capacity

Capacity	40-1000 m <sup>3</sup> /hr displacement
Vacuum	Upto 300-500 M. bar single & double Stage in suction operation
Pressure	Upto 400-500 M. bar in pressure mode can be obtained

Mfg by:

### **INDOVAC PUMPS & ENGINEERING CO.**

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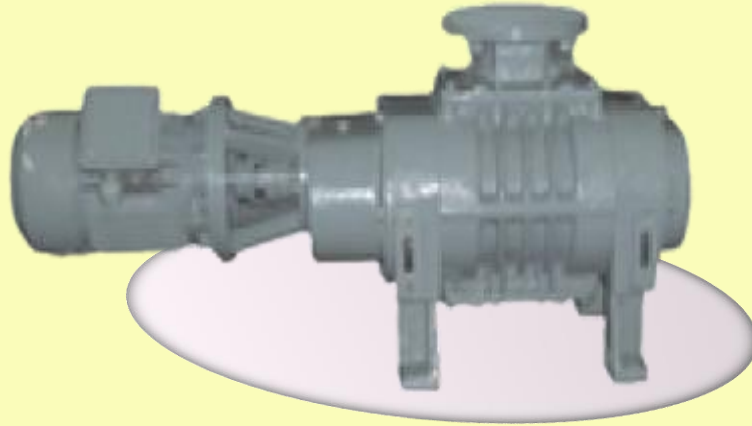
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WHERE COMMITMENT TO QUALITY BEGINS...

## **TWINLOBE VACUUM BOOSTER / BLOWER**



Modular designs for maximum flexibility. Always allows to meet customers Requirements, positive displacement. High operating speed due to Dynamically balanced rotors. Entirely mechanical & light weight. Relatively low Power consumption.

### **APPLICATION**

Cement, Effluent Treatment, Pollution Control plant, Fertilizer, textile, glass / tube industries, Pharma & chemical.

### **AVAILABLE IN CAPACITY**

Capacity	: 100 to 4000 m <sup>3</sup> /hr
Pressure [Operation]	: 0.5 kg/cm <sup>2</sup>
Suction [mode]	: 30 M bar

Mfg by:

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# HIGH VACUUM SYSTEM



Vacuum System is in combination with Roots Blowers fitted over Vacuum Pumps to achieve maximum output. They combine the advantages of fresh oil lubricated Vacuum Pumps with the high suction capacity of Roots Blower. Any range we offer for application such as molecular Distillation / filtration and general Industrial application.

Maximum flow can be achieved from both the pumps at continued operation.

## **APPLICATION:**

Distillation / Filtration / Plants and General Industrial application.

Mfg by:

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WHERE COMMITMENT TO QUALITY BEGINS...

# VACUUM CLEANER



Industrial Vacuum Cleaner for every useful applications. A complete set of accessories makes it usable for all kind of practical operation without trained personnel. These cleaners are suitable for dry & wet application and patented triple filters avoids any particles entering inside.

## AVAILABLE IN CAPACITY

Type	: Tiny & Bulk
Capacity	: 25 Ltrs to 200 Ltrs
Air Volume	: 25 Ltrs / Sec. 175 Ltrs / Sce.
Suction	: 200 to 400 M bar
Rating	: Continuous.

**Available in single / three phase motors.**

Mfg by:

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WHERE COMMITMENT TO QUALITY BEGINS....

## MONOBLOC BLOWER



These Rotary sliding vane Blowers are specially designed for intermittent pressure applications for agitation for resins in mixed bed deionisers / water treatment plants.

### AVAILABLE IN CAPACITY

FLOW RATE	: 8000 LPM at 0.4 kg/cm <sup>2</sup>
Pressure	: 6 PSI [0.4 kg/cm <sup>2</sup> ]
Power reqd.	: 0.5 to 5 HP
Rating	: Intermittent running is for Max 10 Minutes

Mfg by:

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## **DRY VANE VACUUM PUMP**



INDOVAC Offers Dry type vacuum pump with modified features in it through integrated vacuum technology for the benefit of users. This version of product is in addition to the existing range of products like rotary Vane, Oil Sealed, Diaphragm, Liquid Ring vacuum Pump, turbine/ Side Channel Blower, Roots Blower / Booster, Vacuum Cleaner, vacuum System, Evisceration System and its allied products.

Rapid advancement in the vacuum technology world over prompted to innovate and produce new version of product to meet the needs of OEM customers.

### **APPLICATIONS:**

Pharmaceuticals / Printing / Pollution Control / Laboratory / Sealing / Filling & other vacuum applications.

### **AVAILABLE IN CAPACITY**

Free air displacement	: 50 – 2000 LPM [3-120M <sup>3</sup> /HR]
Ultimate Vacuum	: 24'' Hg [600 MM Hg]
Pressure	: 6 – 10 PSI
Power reqd.	: 0.25 – 7.5 HP
Type	: Direct Driven / Belt Driven

Mfg by:

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## ROTARY VANE OIL SEALED HIGH VACUUM PUMP (BELT DRIVE)



Oil sealed rotary vane positive displacement type vacuum pumps. Double stage vacuum pump, comparatively compact in size.

Versatile pump with highest output ratio, better vacuum, Vapour Tolerance much higher and vacuum level stable due to the moderate gas ballast.

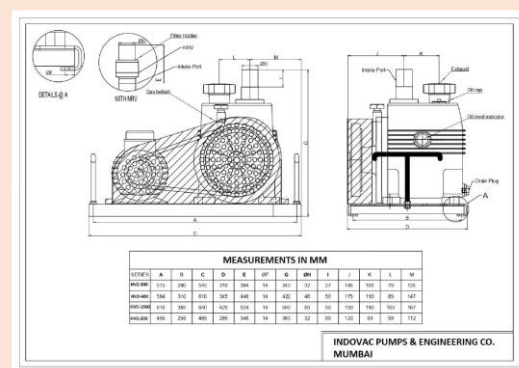
### TECHNICAL DATA

MODEL		UNIT	HV2-180	HV2-300	HV2-600	HV2-1000
Displacement 50 Hz		L/min	180	300	600	1000
ULTIMATE PRESSURE	With Gas Ballast *	Torr		<1 x 10 <sup>-2</sup>		
	Without Gas Ballast *	torr		<1 x 10 <sup>-3</sup>		
Inlet Port		Mm	32	32	46	50
Exhaust Port		--	PF 1"	PF 1"	PF 1 ½"	BSP 1 ½"
Motor Power		kW	0.4	0.75	0.75	1.5
Rotational Speed		RPM	600			
Oil Capacity		Liter	2	2.5	4	6.5
Weight including Motor		Kg	55	65	85	140

### PERFORMANCE CURVE



### DRAWING



Mfg by:

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# VACUUM SKID (SYSTEM)



Indovac vacuum skids are made to suit customer needs during their continuous production to cater maximum output with minimum manpower, Our systems meant for bulk manufacturing process in pharma / sugar/ chemical & distillation industries.

## **AVAILABLE IN CAPACITY**

Max. Capacity up to 50000 m<sup>3</sup>/Hr

Flow rate in available.

For further details, please call us.

Mfg by:

## **INDOVAC PUMPS & ENGINEERING CO.**

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Bhandup (W), Mumbai-400 078, MAHARASHTRA, INDIA.

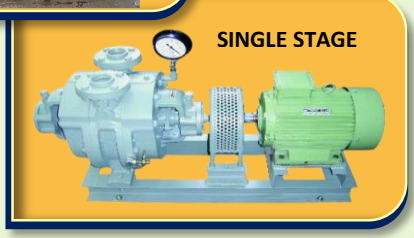
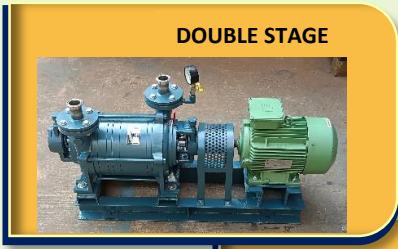
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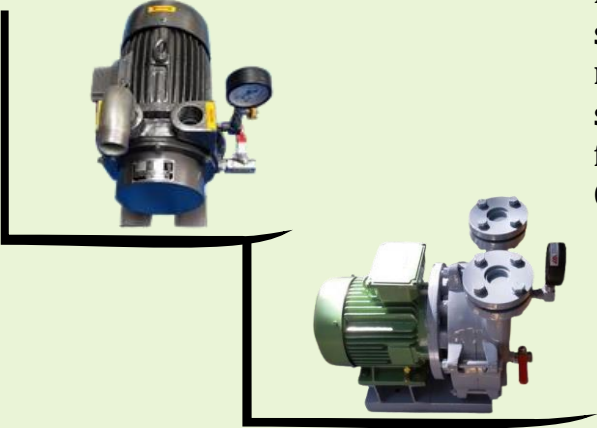
## WATERRING TYPE VACUUM PUMP (DIRECT COUPLED)

These pumps are positive displacement type. Service liquid is regulated and due to the eccentrically mounted impeller, the liquid thrown towards the periphery of the stator, thus forming sealant ring. Process gas is trapped in the space between the impeller blades, compressed and expelled in a continuous suction exhaust cycle. The pumps can be offered in different materials such as C.I., Gun metal and Stainless Steel.



<u>FEATURES</u>	<u>APPLICATIONS</u>	<u>AVAILABLE IN CAPACITY</u>	
Smooth running, Excellent performance, Modest maintenance, Use as compressor possible. Mechanical Shaft seals on either end of shaft. Maximum Vacuum using water as sealant at 30°C and at sea level condition.	Distillation, Devapourising, Drying, Pneumatic Conveying, Degreasing, Sterilization, Concentration of Solvents-Exhausting and different pharma / application.	Free air displacement	15-2000 m <sup>3</sup> /hr
		<u>Ultimate Vacuum</u>	
		Single stage	700 MM Hg
		Double stage	720 MM Hg
		Power Required	3 TO 100 HP

## MONOBLOCK TYPE WATERRING VACUUM PUMP



Monobloc type waterring Vacuum Pumps are compact size, well Balanced Impeller mounted directly to the motor shaft. Principle of Generating the vacuum as same as in the direct drive Method, the Service liquid flown in the peripherals of the Impeller blade. Thus, Creating the Vacuum in the chamber.

<u>AVAILABLE IN CAPACITY</u>	
Free air displacement	15-2000 m <sup>3</sup> /hr
<u>Ultimate Vacuum</u>	
Single stage	700 MM Hg
Double stage	720 MM Hg
Power Required	3 TO 100 HP

Mfg by:

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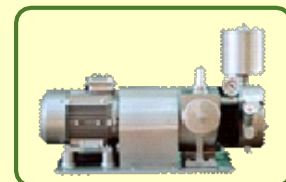
## ROTARY VANE SEMI LUBRICATED VACUUM PUMP

### INDOVAC IS ACCREDITED FOR PRESSURE AND VACUUM TECHNOLOGY.

The firm offers Rotary vane vacuum pumps are designed with decade of experience for excellent performance and modest maintenance. They are widely used for Laboratory distillation, Screen Printing, Bottle filling, Pharmaceuticals, Food & beverages industries with proven performance. These pumps are available in various models such as V-belt Driven, Direct Driven and Flange type. Speciality in compact design is its success for application in offset Printing, Cartonng, Powder filling, Labelling, Packaging industries. Versatile vacuum pumps with unique features successfully proved on Semi/ High speed automatic Capsule filling machines / Filtration / transferring / holding / Conveying & Packaging machines.

### AVAILABLE IN CAPACITY

Free air displacement	75-2000 LPM [5-120 M <sup>3</sup> /hr]
Ultimate Vacuum	600 & 710 MM HG
Power reqd.	0.25-5 HP
Type	v-Belt Driven / Direct Driven



Mfg by:

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