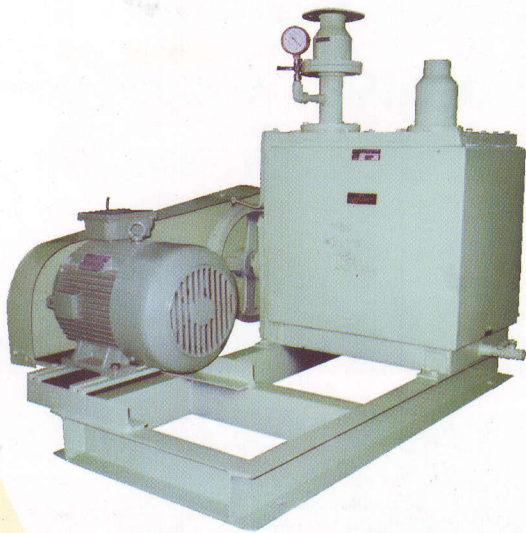


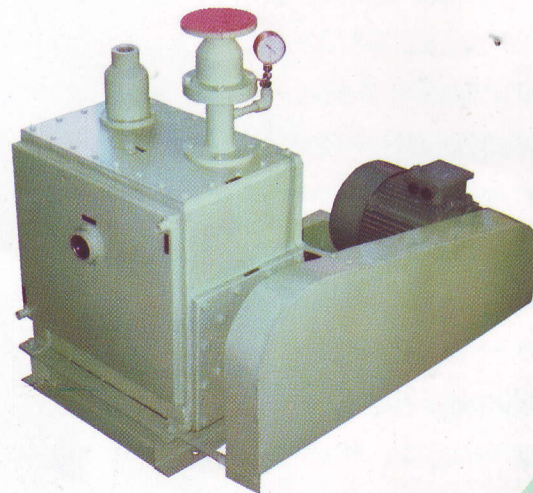
## 'RKHV' OIL SEALED ROTARY HIGH VACUUM PUMP



'RKHV' High vacuum pump is oil immersed rotary vane type. The main assembly consist of a main body with rotary vanes mounted eccentrically in it. The rotor is provided with two vanes opposite each other with springs in between which press them against the inner wall of the main body and make them move in and out of the rotor. The rotor revolves sweeping the air space twice each revolution. Oil sealed high vacuum pumps include single stage pump and double stage with gas ballast (vented exhaust)

### SALIENT FEATURES :

- Compact design, robust construction, high efficiency & varied applications.
- Available in single and double stages.
- Suitable for continuous operation without special attention
- Easy oil changing arrangement with inspection facility.
- Vacuum connection either by rubber or metal pipe fitting.
- Condensable vapors pumped out by air ballast.
- Provided with water cooling jackets. ( model RKHV - 13 Onwards)





# APPLICATIONS

# ACCESSORIES

Distillation

Metal coating

Dehydration

Drying

Impregnation

Filtration

Degassing

Freeze Drying

Crystallization

Sterilization

### Non-return Valve :

Provided for preventing body leakages with the help of spring tensioned rubber diaphragm prevents back flow of oil when pump is not motion.

### Moisture Trap :

Available in CI / Aluminum with detachable glass. This absorbs moisture in air before entering in to pump.

### Inlet Dust Filter :

This filters dust particles upto 20 micron size.

### Air Ballast :

This is designed for removing condensed vapor in pump so that contamination of oil is avoided.

### Vacuum Gauge With Regulator :

This is designed to maintain any desired vacuum in the systems. It is graduated from 0 to 760 of mercury.

MODEL	STAGE	Elec. Motor		Free Air Displacement		Ultimate vacuum mm of Hg.		
		H. P.	Phase	Ltr./Min.	C.F.M.	W/o air ballast	With air ballast	Oil charge in Ltrs.
RKHV-3	Single	1/4	Single	32	1.2	0.05	2.0	2
RKHV-4	Double	1/4	Single	32	1.2	0.005	0.1	2
RKHV-5	Single	1/4	Single	50	1.8	0.05	2.0	2 1/2
RKHV-6	Double	1/3	Single	50	1.8	0.005	0.1	3
RKHV-7	Single	1/2	Single	75	2.5	0.05	2.0	3 1/2
RKHV-8	Double	1/2	Single	75	2.5	0.005	0.1	4
RKHV-9	Single	1/2	Single	100	3.5	0.05	2.0	4
RKHV-10	Double	1/2	Single	100	3.5	0.005	0.1	4
RKHV-11	Single	1/2	Single	150	5.3	0.05	2.0	4
RKHV-12	Double	1.0	Three	150	5.3	0.005	0.1	4 1/2
RKHV-13	Single	1.0	Three	325	11.0	0.05	0.1	8
RKHV-13A	Double	1.5	Three	325	11.0	0.005	2.0	7
RKHV-14	Single	2	Three	750	26.5	0.05	2.0	15
RKHV-15	Double	3	Three	750	26.5	0.005	0.1	15
RKHV-16	Single	1.5	Three	600	21.0	0.05	2.0	10
RKHV-17	Double	2	Three	600	21.0	0.005	0.1	12
RKHV-18	Single	3	Three	1500	53.0	0.05	2.0	25
RKHV-18A	Double	5	Three	1500	53.0	0.005	0.1	25
RKHV-19	Single	5	Three	2000	70.5	0.05	2.0	30
RKHV-19A	Double	7.5	Three	2000	70.5	0.005	0.1	30
RKHV-20	Single	7.5	Three	3000	106.0	0.05	2.0	35
RKHV-20A	Double	7.5	Three	3000	106.0	0.005	0.1	40
RKHV-21	Single	7.5	Three	5000	177.0	0.05	2.0	45
RKHV-22	Double	10	Three	5000	177.0	0.005	0.1	50

MOTOR R.P.M. : 1440 PUMP R.P.M. : 500

### Sr. No. Description

- 1 Oil Tank
- 2 Body
- 3 Front Cover
- 4 Back Cover
- 5 Rotor
- 6 Rotor Blade
- 7 Spring
- 8 Spring Pin
- 9 Ball Bearing
- 10 Oil Seal Pusher
- 11 Bearing Cover
- 12 Exhaust Flange
- 13 S.S. Plate
- 14 M.S. Plate
- 15 Suction Pipe (Inner)
- 16 Suction Pipe (Outer)
- 17 Pressure Cup
- 18 BSP Nipple
- 19 Non Return Valve
- 20 Pulley
- 21 Oil Seal
- 22 Rubber Gasket
- 23 Rubber Gasket
- 24 Rubber Gasket
- 25 Gasket
- 26 Top Cover
- 27 BSW Nut Bolt
- 28 BSW Bolt
- 29 Hex Bolt MB
- 30 Soc. Head Cup
- 31 Soc. Head Cup
- 32 BSW Nut Bolt
- 33 Key
- 34 V Belt

