



MICROVAC

High Vacuum Pumps

Oil Sealed Rotary Vane Type



Salient Features

- High Efficiency.**
- Robust in construction though elegant in appearance.**
- Minimum weight and compact design.**
- Quick and easy arrangement for changing of oil.**
- Specially installed for easy inspection of oil.**
- Spares easily available.**
- Sturdy base plate to prevent vibration.**
- Fitted with good quality Electric motor.**
- Thoroughly tested for designed vacuum on its Mc.leod gauge.**

Applications

- Distillation.**
- Filtration.**
- Degassing.**
- Freeze Drying.**
- Dehydration.**
- Metal Coating.**
- Crystallization.**
- Impregnation.**
- Sterilisation.**

Commitment to Quality

MORE ABOUT “ MICROVAC” PUMPS

“Microvac” Pumps are manufactured in our well-equipped factory with the latest developed technology to meet the varied need of the industries & institution.

“Microvac” High Vacuum Pumps are of the oil immersed rotary vane type V belt driven. A stator with an eccentrically mounted rotor within it from the main assembly. The rotor has two vanes facing each other. There are springs in between the two vanes. As the rotor revolves these springs press the vanes against the inner wall of the stator and make them move in and out of the rotor as the rotor revolves by means of a driving shaft sweeping the air space twice per revolution.

Material of construction is properly chosen graded cast iron and all the parts are precisely machined microfinished and assembled to close tolerances for high efficiency.

ACCESSORIES FOR “MICROVAC” VACUUM PUMPS

Non Return Valve

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

Air Ballast

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

Moisture Trap

Available in C.I./ AL with detachable glass. The moisture in the air is absorbed by this trap before entering into the pump.

Inlet Dust Filter

This is being used as to maintain any desired vacuum in the system. It is graduated from 0 to 30 inches in mercury.

Vacuum Gauge with Regulator

This Filters dust particles down to 20 micron size.

GUARANTEE

Service after sales with one year guarantee against manufacturing defects.

NOTE

Models upto ME-15 are air cooled type & provided with single phase Motors.

Models from ME-16 onwards are provided with water cooling jackets and 3 phase Motors.

SPECIFICATION

MODEL	STAGE	MOTOR	FREE AIR DISPLACEMENT		OIL CHARGE IN LTRS.
			Ltr/Min	C.F.M	
ME-3	Single	0.25	50	1.8	2.5
ME-4	Double	0.25	50	1.8	3
ME-5	Single	0.25	75	2.6	3.5
ME-6	Double	0.25	75	2.6	4
ME-7	Single	0.25	100	3.5	4
ME-8	Double	0.5	100	3.5	4
ME-9	Single	0.5	150	5.3	4
ME-10	Double	1	150	5.3	4.5
ME-11	Single	0.5	200	7	4
ME-12	Double	1	200	7	4.5
ME-13	Single	1	325	11	7
ME-13A	Double	1	325	11	8
ME-14	Single	1.5	600	21	8
ME-15	Double	2	600	21	8
ME-16	Single	2	750	26.7	8
ME-17	Double	3	750	26.7	8
ME-18	Single	3	1500	53	20
ME-18A	Double	5	1500	53	25
ME-19	Single	3	2000	71	25
ME-19A	Double	5	2000	71	35
ME-20	Single	5	3000	107	25
ME-20A	Double	7.5	3000	107	35
ME-21	Single	7.5	5000	176	30
ME-22	Double	10	5000	176	40
ME-23	Single	10	7500	267	50
ME-24	Double	15	7500	267	55
ME-25	Single	15	10000	357	55
ME-26	Double	20	10000	357	60
Ult. Absolute Pressure(Torr)			Single Stage		Double Stage
With Gas Ballast Closed			0.05		0.005
With Gas Ballast open			2		0.1
Pump RPM			550		550
Motor RPM			1440		1440

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