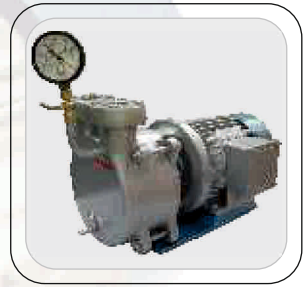


MONOBLOCK WATER-RING VACUUM PUMP





MONOBLOCK WATER-RING VACUUM PUMP

Maxima Pumps, which are known for their Compact Design, Reliability & Efficient Performance, have earned an enviable reputation in a short time and have become an ideal choice of discerning users for all types of specialized and general vacuum applications in whichever field they exert; Chemical, Pharmaceutical, Research, Education and General Industrial Job Sectors are a few amongst many more to speak of. Provision of Reliable, Quick & Efficient After Sales Service have made them all the more popular with the users.

In response to the over whelming demand received from comparatively smaller industrial units, Maxima has come forth with Monoblock version of their vastly patronized Water-ring type Vacuum Pump. Infact working principle of the Monoblock Pumps is exactly the same as that of bigger pumps and these also equal their BIG BROTHER in performance as well. The only difference between the two is that the pump is directly mounted on the shaft of a reliable electric motor which makes them more compact, handy, portable, lighter in weight and hence are economically more viable for humble applications. Also these are best suited to OEM for incorporating them in their industrial units and plants. Each and every pump of this new series very successfully and effectively takes care of its respective job and hence as usual is held in similar high esteem the ' Maxima ' logo has already earned.

Maxima Direct Drive Water-ring Vacuum Pumps are of Positive Displacement Type wherein the Impeller is mounted directly on the motor shaft eccentrically to the axis of the Pump Casing. Sealing water forms a ring which circulates concentrically within the axis of the casing. Process Gases drawn in through the Suction Port get trapped in the Impeller Cells, are compressed and are discharged through the Exhaust port. The sealing water which forms the liquid ring is supplied at a pressure equal to the Discharge Pressure of the pump, which allows the pump to automatically make up the amount of liquid which is discharged through the Exhaust Port, therefore removing the Heat of Compression from the Pump.

APPLICATIONS

These models are quite versatile and find their applications in Pharmaceutical, Chemical, Petro-chemical & Food Processing Industries, Breweries & Distilleries, Confectionery, Plastic, Textiles, Garment & Leather Processing Industries, Paper & Sugar Mills, Power Plants, Furnaces, Tiles & Ceramics Industries, Cement & Fertilizer Plants, Metallurgical Laboratories and is suitable for host of other Vacuum Applications like Vacuum Conveying, Packaging, Extrusion, Priming, Degasification, Dehydration, Filtration & Sterilizing etc.

STANDARD MODELS

Model No.	Suc. x Del. mm	Air Displacement		Recommended Motor		Vacuum mmHg	Sealing Water Reqd. (LPM)
		m ³ /hr	LPM	H.P	RPM		
MVW - 10 D	25 x 25	22	365	1	2880	700	3
MVW - 20 D	32 x 32	30	500	2	2880	700	5
MVW - 30 D	32 x 32	52	865	3	2880	700	7
MVW - 50 D	40 x 40	90	1500	5	1450	700	9
MVW - 75 D	40 x 40	132	2200	7.5	1450	700	14
MVW - 100 D	50 x 50	210	3500	10	1450	700	17

Figures given above are based upon testing of the pumps done at our factory situated in Delhi after employment of clear water at 30°C. These figures may slightly differ from those of other stations depending upon the altitude they are located at.
Testing Parameters : Motor rpm - 2880 / 1440 ± 5%. Voltage - 415 ± 5%. Temperature - Ambient.

In view of continuous improvement process, specifications & design of the pumps may undergo change(s) without any prior notice.