



IVC
PUMPS PVT. LTD.



MECHANICAL VACUUM BOOSTER SYSTEM

Maximum Capacity : 100 M³/Hr. to 12000 M³/Hr.
Maximum Vacuum : 0.001 TORR.

Available with any Type of vacuum pump Like Watering,
Oil Sealed, Dry Type or Ejector System.



IVC PUMPS PVT. LTD.

MECHANICAL VACUUM BOOSTER

IVC PUMPS PVT. LTD. offers Mechanical Vacuum Boosters. They enhance the performance of Vacuum Pumps, because the volumetric efficiency of Vacuum Pump is poor in low pressure operation. The Booster handles large volume of gas at relatively very low power consumption, because the construction of Booster ensures contact free rotation of two lobes maintaining very close clearance. .

Mechanical Vacuum Boosters are available in both Water-cooled and Air cooled executions. Capacities range between 1660 LPM to 200000 LPM. Motor KW ranges between 2.2 to 20 KW.

We offer total system to meet specific requirements complete with primary pump (Backing pump) and instrumentations to perform automatic / semi-automatic operations.

The Boosters are used in series with any vacuum pumps like Watering, oil Seal , dry type or Ejector System.

Air Cooled Series

No.	Particulars	IVMA-9	IVMA-11	IVMA-13	IVMA-15	IVMA-17	IVMA-19	IVMA-21	IVMA-23	IVMA-25	IVMA-27	IVMA-29	IVMA-31
1	Displacement LPM @ 1450 RPM	2250	3650	5000	7500	11650	19500	31000	50000	87500	137500	232000	321500
2	Displacement LPM @ 2900 RPM	4500	7300	10000	15000	23300	39000	62000	-	-	-	-	-
3	Motor Power KW @ 1450 RPM	1.1	1.1	2.2	2.2	3.7	5.5	5.5	12.5	18.5	30	45	90
4	Motor Power KW @ 2900 RPM	2.2	2.2	3.7	3.7	5.5	7.5	11	-	-	-	-	-
5	Max Δ P(m bar)	100	100	100	100	90	85	65	60	60	55	50	50

Water Cooled Series

No.	Particulars	IVMW-10	IVMW-12	IVMW-16	IVMW-22
1	Displacement LPM @ 1450 RPM	4500	14000	36000	57000
2	Displacement LPM @ 2900 RPM	9100	28000	72000	114000
3	Motor Power KW @ 1450 RPM	2.2	3.7	5.5	7.5
4	Motor Power KW @ 2900 RPM	3.7	5.5	11	15
5	Max Δ P(m bar)	75	65	50	50

APPLICATION

**Vacuum Drying
Dehydration
Food Processing,
Fertilizer, Petrochemical Industries.**

ADVANTAGE :

Vacuum Boosters are power efficient. Very often a combination of vacuum booster and suitable back up pump result in reduced power consumption per unit of pumping speed. They provide high pumping speeds even at low pressures.

Mechanical vacuum Booster is dry pump, as it does not use any pumping fluid.

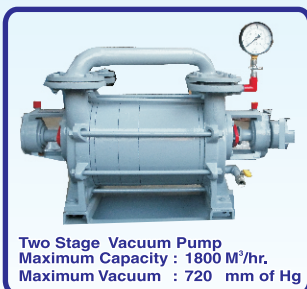
Low power consumption compare to any type of vacuum pump.

High volumetric efficiency

Enables operations in high vacuum and large pumping speed at very low power consumption and hence very short payback period.

Low maintenance

OTHER PRODUCTS



(AN ISO 9001:2008 COMPANY)



IVC PUMPS PVT. LTD.

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