

SINCE 1978



# OPTICS TECHNOLOGY

Manufacturer & Exporters of : **LABORATORY TESTING INSTRUMENTS**



An ISO 9001:2008 CERTIFIED  
An ISO 10002:2004 CERTIFIED

**CE Certified**

## ULTRA HIGH VACUUM DIRECT DRIVEN BELTLESS PUMP



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### TWO-STAGE VANE PUMP

To improve the backing pressure and displacement at low pressure two stages are connected in series.

### ANTI-SUCKBACK SYSTEM

If the Power Supply fails on stops, an anti-suck back device. Prevents air or oil the pump to be drawn back into the chamber being evacuated and operated by Solenoid coil.

### GAS BALLAST

The gas ballast allows a quantity of air to be injected into the second stage of the pump during compression to reduce the partial pressure to the pumped gas below its saturated Vapour pressure and thus prevent condensation.

The saturated vapour pressure of a gas is higher when it is hot and lower when it is cold.

When gas ballasting is in use, there will be increase in ultimate pressure of the pump as well as the temperature.

Air Displacement : (100 /150 /350) Ltrs/Min

Ultimate Vacuum : 0.001 mbar

Works on Mains : 230V AC supply.

**PICTURE DISPLAYED IS FOR FULL SET ALONGWITH ALL OPTIONAL ACCESSORIES AS BELOW. WHEN ORDERING PLS ORDER SEPARATELY AS PER REQUIREMENT.**

### OPTIONAL:

Moisture Trap  
Non Return Valve  
Vac Gauge

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