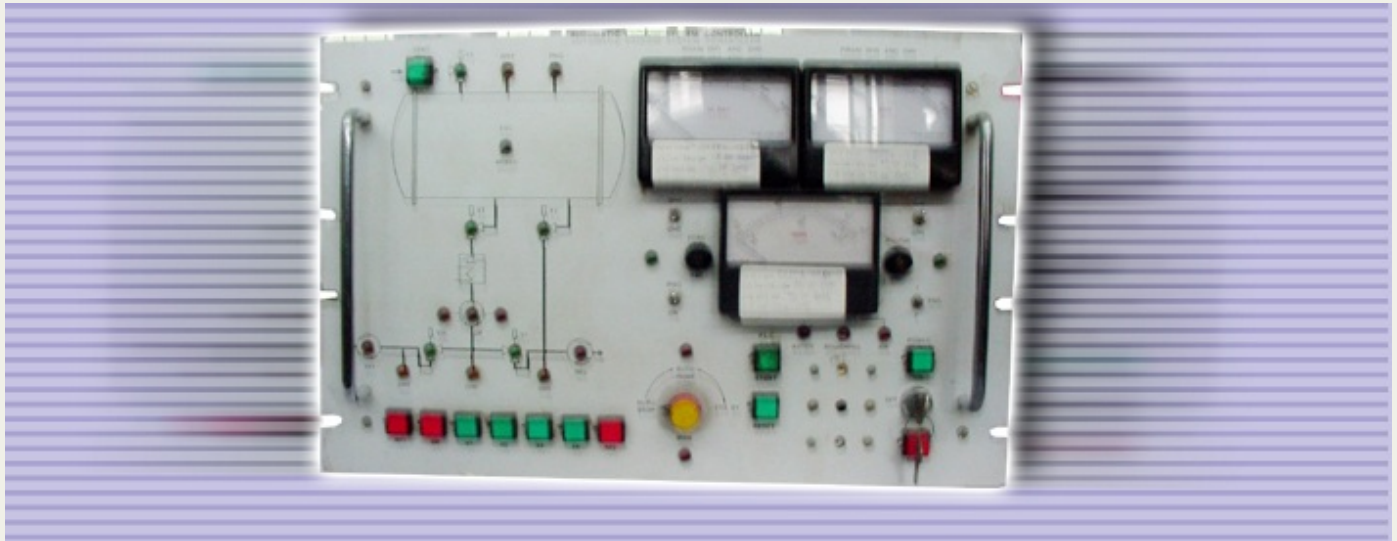


Auto Pumping Controller APC-2



Auto manual controller is used for automating the operation of a vacuum pumping system using pirani & penning gauge reading as a reference with set point controller to operate the backing, roughing, high vacuum and Air admittance valve. The APC is logically set to operate the valves with delay using built in timers. APC is having pirani & penning gauge readings with analog meter and gauge heads are selected on the front panel selector switch. Self illuminated push-button switches are provided to activate the valves, diffusion pump and rotary pumps. The APC front panel is provided with vacuum flow chart with mimic diagram fitted with status indicating lamps. APC front panel is also provided with pirani & penning set point potentiometers. Selector switch is provided for selecting the mode of operation such as Auto, Manual and Stand by operation.

TECHNICAL SPECIFICATIONS

Auto Pumping Controller APC-2

Description	Penning Gauge	Pirani Gauge
Pressure range Display	10 ⁻² mbar to 10 ⁻⁶ mbar Continuous single scale meter read out with switch selectable range	0.5 mbar to 10 ⁻³ mbar Continuous single scale meter read out with switch selectable gauge heads
Capacity	One gauge head	Two gauge heads
Controllers	Provided for controller set point	Provided for controller set point
Power input	220V AC + 10%, 50Hz 13 watts max.	220V AC + 10%, 50Hz 13 watts max.
Power cord	2 meter long cable	2 meter long cable
No. of gauges	1	2
Gauge head	Model No. PNG-2	Model No. PR-3
Gauge Head Data		
Type	PNG-2	PR-3
Useful range	10 ⁻² mbar to 10 ⁻⁶ mbar	0.5 mbar to 10 ⁻³ mbar
Calibration	Factory set	Factory set
Mounting	In any position preferably in vertical position vacuum connection downward	In any position preferably in vertical position vacuum connection downward
Gauge head	2 meter long attached at factory to the gauge head and plug as standard. (Extra cable on request)	2 meter long attached at factory to the gauge head and plug as standard. (Extra cable on request)

Salient Features:

- Simple and surest system safeguard.
- Accurate Control Point setting.
- Solid State Electronics.
- Efficient after sales service backup.
- Standard quarter rack size.

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