

Low-Pressure (80 - 150 psig) Air Control Panel

The Model 5642 Low-Pressure Air Control Panel is designed to control the pressure and to monitor the flow rate of clean, dry compressed air to electronic equipment and components. A tap is provided for measurement of moisture content. The panel is designed for either automatic or manual operation.

Air pressure is regulated by two (or, for the Type III, one) pressure regulators. Flow rate of air being delivered to the using equipment is measured by a direct-reading float-in-tube flowmeter.

Configurations other than those shown here may be special-ordered.



Operating Characteristics by Type:

Type and Class	IA	IB	IC	IIA	IIB	III
Inlet Pressure, psig	80 - 150					
Intermediate Pressure, psig	50 ± 2			70 ± 2		75 ± 2
Outlet Pressure, psig	0 - 10 ± 1/4	10 - 20 ± 1/4	20 - 30 ± 1/4	25 - 40 ± 1/4	40 - 60 ± 1/4	n/a

Specifications:

Manufactured in accordance with NAVSHIPS Standard Drawing 803-1385925 Rev. E.

Bypass: A manual bypass valve is provided to allow continued operation in the event of malfunction of any of the automatic components.

Relief Valve: Preset adjustable relief valve protects downstream equipment from overpressurization.

Dimensions: 30" wide x 17" high x 9-1/2" deep.

Weight: 70 lb (110 lb crated).

Operation: Either automatic or manual, continuous or intermittent.

Power Requirements: No electrical power required.

Air Requirements: Clean, dry compressed air at 80 to 150 psig.

Filter: Prevents introduction of any particulates larger than 25 microns.

Controls & Indicators: Purge/test valve
Inlet, intermediate & outlet pressure gauges
Inlet & outlet shutoff valves
Test switch
Emergency shutoff valves
Intermediate & outlet pressure regulators

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