Control Panels & Air Loaders

Armstrong Control Panels and Air Loaders are designed to provide the necessary air loading signal to control any air-operated pressure reducing valve. While designed specifically to control Armstrong pressure reducing valves such as the GP-2000K-1, 3, 6 and GD-2000K, these panels can also remotely control other air-loaded valves. Panel is of rigid lightweight anodized aluminum for easy handling and installation. Control panel comes fully assembled with gauges suited to applications. Panel mate and panel mate filter are standard on panels and are also available separately.
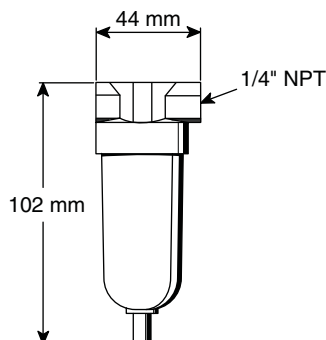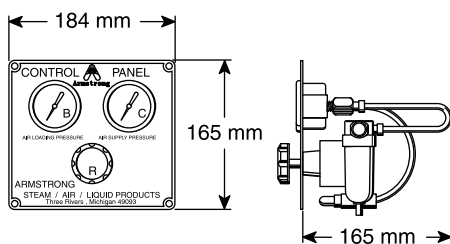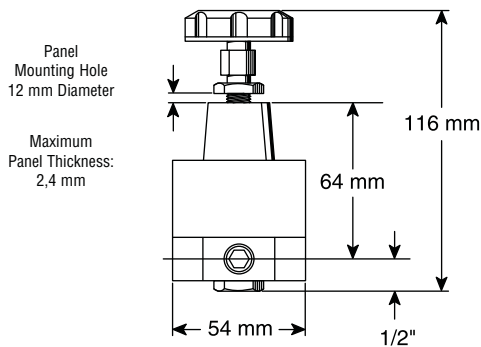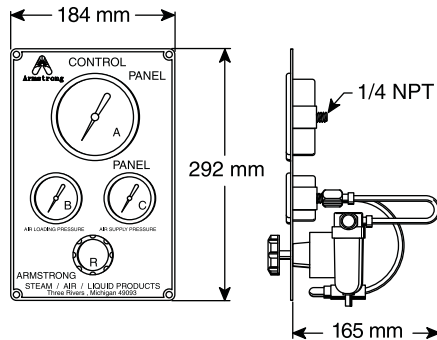
"A" Panel   "Y" Panel

Panel
Mounting Hole
12 mm Diameter

Maximum
Panel Thickness:
2,4 mm

Table PTC-259-1. Materials of Construction - Panel Mate - Filter

Name of Part	Panel Mate	Filter
Body	Zinc	
Bottom Plug	Brass	—
Pilot diaphragm	Nitrile	—
Main diaphragm	Nitrile	—
Pilot valve	Stainless steel	—
Main valve	Polycarbonate	—
Main valve seat	Teflon	—
Bowl	—	Zinc
Element	—	Porous polypropylene
Elastomers	Nitrile, neoprene and polyurethane	Nitrile and neoprene

Note: Panel material is anodized aluminum

Table PTC-259-2. Specifications - Control Panel

Standard Pressure Gauge Ranges (bar)		
Gauge	Panel A	Panel Y
Gauge A (bar)	0 - 7	—
Gauge B (bar)	0 - 7	
Gauge C (bar)	0 - 14	
Optional: Gauge A Ranges (bar)	0 - 2	—
	0 - 7	—
	0 - 20,5	—
Optional: Gauge B and C Ranges (bar)	0 - 2 / 0 - 4 0 - 7 / 0 - 10,5 0 - 14 / 0 - 20,5	
Maximum Inlet Air Pressure	14 bar	
Maximum Outlet Air Pressure	10,5 bar	

Table PTC-259-3. Specifications - Panel Mate - Filter

	Panel Mate* (bar)	Filter (bar)
Maximum Inlet Pressure	14	17
Maximum Outlet Pressure	10	—
Maximum Temperature	71°C	79°C

* **Note:** Use an Armstrong AF-10, 5 micron air filter upstream of panel mate to prevent fouling.

All dimensions and weights are approximate. Use certified print for exact dimensions. Design and materials are subject to change without notice.