

# Mark 12

## Panel-Mounted Manual Loading Stations

The Mark 12 Panel-Mounted Manual Loading Stations are used for the positioning of air-actuated valves and other pneumatic control equipment from a remote, centralized control location. When used with Jordan's Mark 66 Air-Loaded Regulators, they provide accurate visual control to meet the precise requirements of the tire and plastics molding industries, as well as the exacting demands of many other process industries.

Three models are available:

- **Mark 12-1:** consists of one manual air pressure regulator and one loading pressure gauge.
- **Mark 12-2:** has two manual air pressure regulators, two loading air pressure gauges, and one process pressure gauge.
- **Mark 12-3:** provides one manual air regulator, one loading air pressure gauge, and one process pressure gauge.

Each of these models has a rugged steel front panel that is provided with rear mounting brackets for simplified installation. The panel is attractively finished with a black enamel, and features rounded corners to remove the sharp edges.

### Manual Regulators

The manual air loading regulators are precision devices designed for use in the process instrument and fluid power fields. They give accurate control and each is provided with an integral relief valve to vent excessive downstream pressure.

Standard regulator range is 0-60 psig (0-4, 1 bar); with optional ranges available of 0-30 psig (0-2, 1 bar); 0-100 psig (0-6, 9 bar); and 0-200 psig (0-13, 8 bar). For other ranges, consult Jordan Valve.



### FEATURES

- Three models available
- Flow capacity of 25 scfm (100 psi/6,9 bar supply; 20 psi/1,4 bar outlet)
- Droop less than 2 psi (0,14 bar) at 15 scfm (measured by 3" downstream)
- Exhaust capacity of 0.5 scfm (downstream pressure 5 psi/0,34 bar above setpoint)
- Sensitivity: 1" of water
- Effect of supply pressure variation: less than 0.25 psi/0,017 bar for 25 psi/1,7 bar change
- Supply pressure: 250 psi/17 bar maximum
- Fast delivery: 36 hour shipment usually available



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**SPECIFICATIONS**

• Regulator Ranges

0-30 psi (0-2,1 bar)	0-60 psi (0-4,1 bar) (stocked std.)
0-100 psi (0-6,9 bar)	0-200 psi (0-13,8 bar)

- Flow capacity: 100 psi (6,9 bar) supply; 20 psi (1,7 bar) outlet: 25 scfm
- Droop (*measured 3" downstream*): less than 2 psi (0,14 bar) at 15 scfm
- Exhaust capacity (downstream pressure 5 psi (0,34 bar) above setpoint: 0.5 scfm
- Sensitivity: 1" of water
- Effect of supply pressure variation: less than 0.25 psi (0,017 bar) for 25 psi (1,7 bar) change
- Supply pressure: 250 psi maximum

**Process Pressure Gauge (Mark 12-2)**

The process loading gauge is a high quality instrument with a flush mounted case and ring made of drawn steel, phosphatized from corrosion-resistance, and finished in black baked enamel.

The standard gauge features a 3-1/2" dial and a 0-200 scale. Also available are: 0-30; 0-60; 0-100; and 0-160 psi. All gauges are calibrated in PSIG; for other calibrations, consult factory.

**Loading Pressure Gauge (and Process Pressure Gauge for Mark 12-3)**

The pressure gauge is a flush-mounted instrument with case and ring made of drawn stainless steel, phosphatized for corrosion resistance and finished in oven baked black enamel.

- Dial: 2-1.2" diameter
- Calibrations: 0-30 psi (0-2,1 bar); 0-60 psi (4,1 bar); 0-100 psi (0-6,9 bar); or 0-200 psi (0-13,8 bar)
- Accuracy: 2% of the total scale range in the middle half of the scale, and within 3% elsewhere

**DIMENSIONS/TYPICAL INSTALLATION**

