

# M4500 SERIES

Manifold with Two Stage Regulator



Premier M4500 manifolds provide easy point of use installation to one or two cylinders. Premier M4500 Series manifolds are available in both stainless steel and brass, to accommodate use with a broad range of non-corrosive and corrosive media.

Standard M4500 Series manifolds include: one 4500 Series two stage regulator, one stainless steel mounting bracket, one check valve, and optional excess flow prevention valves, hoses, integrated shut off valves and CGA connections. The M4500 Series manifold provides everything you need in one compact assembly.

## FEATURES

- Premier 4500 Series, two stage regulator
- Stainless Steel mounting Bracket with 4 holes for 1/4" screws
- Check valve(s) (*standard*)
- Optional pigtails/hoses (for service to one or two cylinders)
- Optional integrated Shut Off Valve
- Optional CGA inlet connections
- Optional excess flow prevention valves
- Optional critical alert gauges

**SOME APPLICATIONS WILL REQUIRE A CUSTOM SOLUTION.**  
CONTACT PREMIER INDUSTRIES TO REQUEST A MODIFICATION  
OR A CUSTOM DESIGN.

### STANDARD COMPONENTS

- 1 Premier 4500 Series, two stage regulator
- 1 Stainless Steel mounting Bracket with 4 holes for 1/4" screws
- Check valve(s) in brass or stainless steel

### SPECIFICATIONS

- **MAXIMUM INLET PRESSURE:** 3000 PSIG  
(206.84 bar)  
*(dependent upon configuration)*
- **CONTROL PRESSURE RANGES:**
  - 1-25 PSIG (0.07-1.72 bar)
  - 1-50 PSIG (0.07-3.45 bar)
  - 5-100 PSIG (0.34-6.89 bar)
- **FLOW (Cv):** 0.08

### MATERIALS OF CONSTRUCTION

- **BODY & BONNET OPTIONS:**
  - SAE 360 Brass, Bright Dip
  - SAE 360 Brass, Electroless Nickel Plated
  - 316 Stainless Steel
- **DIAPHRAGM OPTIONS:**
  - Neoprene
  - 316 Stainless Steel
- **SEALS:**
  - PTFE
  - Viton A®
- **MOUNTING BRACKET:**
  - 304 Stainless Steel
- **PIGTAIL/HOSE OPTIONS:**
  - Single cylinder
  - Dual cylinder
- **CHECK VALVE OPTIONS:**
  - SAE 360 Brass, Viton® Seal (Standard)
  - Stainless Steel

### PORTING

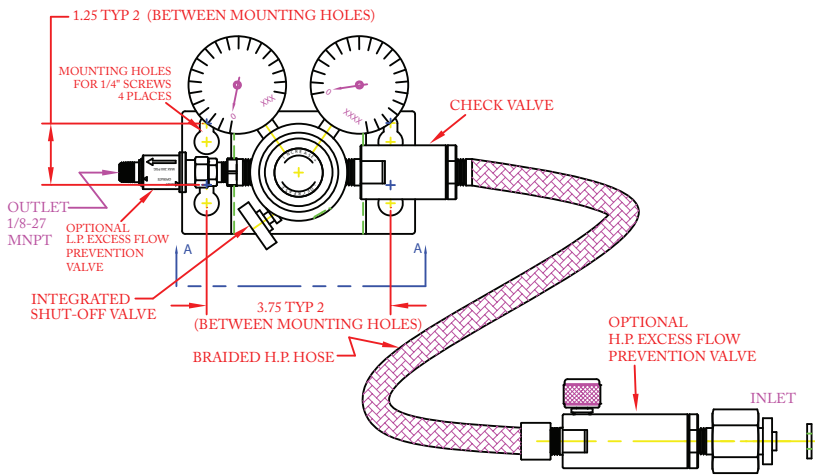
- **INLET PORTING:**
  - 1/4-18 FNPT
- **CYLINDER CONNECTIONS AVAILABLE:**
  - CGA 350,590, 660, 705, 330
- **OUTLET PORTING:**
  - 1/4-18 FNPT

### OPTIONS

- Excess flow prevention valves
- CGA connections
- Hose pigtails (for service to one or two cylinders)
- Integrated shut-off valve
- Gauges / critical alert gauges

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Contact factory for material certifications. Fees may apply.*

**PART NUMBER: 50-12015**



**PART NUMBER: 50-12012**

