

RM Series Regulator Safety Mounting Brackets

RM Series Safety Mounting Brackets help organize work areas, improve safety and ensure gas purity by eliminating the installment of a regulator directly onto a gas cylinder valve. The fixed mounting of a cylinder regulator to an Advanced RM Series Mounting Bracket eliminates hazards incurred with regulator and cylinder during change-outs while allowing fast and easy cylinder replacement.

The RM Series is available in wall-mount or bench-mount configurations to provide versatility to meet any application requirement. Both configurations are furnished with CGA outlets suitable for direct mounting of a single or two-stage regulator (sold separately) with matching inlet CGA connection. **Note:** Regulators are not included with RM Series.

The bench-mount model includes a built-in cylinder clamp and adjustable regulator mast. Two diaphragm seal inlet isolation valves are provided standard with dual-cylinder wall mount models.

Standard Features

- Fixed Mounting eliminates recurring leaks, ensures proper regulator alignment and prevents damage to regulator.
- Bracket Dimensions allow for installment of single or two-stage regulators.
- Spare Access Port in Block provides versatility to install options such as pressure switches, valves or additional pigtails.

Optional Features

- Double Braided (all metal) Stainless Steel Flexible Hose maintains gas purity and provides ease of connecting cylinder.
- PTFE-lined Stainless Steel Flexible Hose provides convenience while reducing cost (not recommended for high-purity applications).
- Check Valve prevents discharge of gas from regulator and pigtail during cylinder changeout.
- Purge and Vent Assemblies enhance system purity and operator safety.

Specifications

Maximum Inlet Pressure: 3000 psig

Valve (Dual Cyl. only): SG5460N and SG5480N Series (page 137)

Inlet Connection:
CGA Connection as Specified

Outlet Connection: CGA Connection as Specified, (suitable for direct mounting of a pressure regulator with inlet CGA)

Plugged Access Port: 1/4" NPT female (on RM block)

Rigid Pigtail: 36" long, 0.25" OD tubing with 5" ID service loop, providing a 23" useable length

Flexible Hose (PTFE-lined): 36" long, 0.25" nominal ID, 0.375" nominal OD

Flexible Hose (all metal): 30" long, 0.285" nominal ID, 0.445" nominal OD

Approximate Weight:

RMB: 9 lbs.
RMW-X-1: 3 lbs.
RMW-X-2: 5 lbs.

Materials of Construction

Block and CGA Fittings:
Brass with Brass Assemblies
Type 316 SS with Stn. Stl. Assemblies

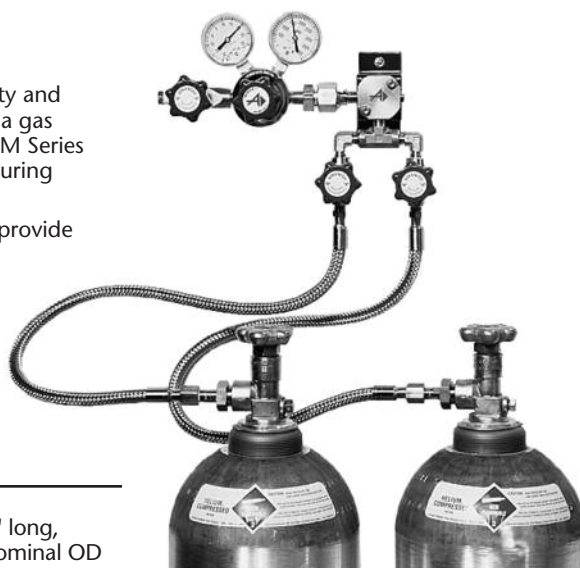
Bracket and Clamp: 12-Gauge Hot Rolled Steel with Powder Coat Epoxy Finish

Pigtails:
Rigid: Brass with brass assemblies,
Type 316L SS with Stn.Stl. assemblies

Flexible Hose (PTFE-lined):
Extruded PTFE PTFE inner core with Type 304 SS single overbraid and Type 316 SS end fittings

Flexible Hose (all metal):
Type 316L SS inner core with Type 321 SS double overbraid and Type 316 SS end fittings

Seats:
Check Valves:
EPDM with brass systems,
Viton® with stainless steel systems
Valves: PCTFE



Wall Mount: Dual Cylinder
(Regulator Sold Separately)

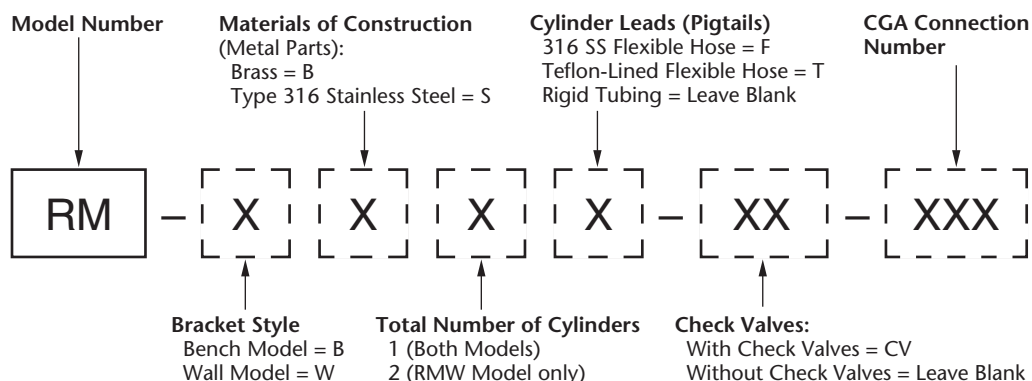


Wall Mount: Single Cylinder
(Regulator Sold Separately)



Bench Mount:
Single Cylinder
(Regulator Sold Separately)

Part number key for RM Series Mounting Brackets



Ordering Information

To order a regulator safety mounting bracket, complete the part number using the "Part Number Key" above. For example, to order a single cylinder wall-mount in brass, with rigid pigtail, check valve and a CGA 580 connection, the part number would be RMW-B-1-CV-580.

Regulator Safety Mounting Bracket Assemblies for acetylene service require flashback arrestors (SG6545). All assemblies ordered with CGA 510 will be billed and shipped with optional flashback arrestors installed on each pigtail, unless the order specifies with which gas it will be used.

Advanced recommends the use of an optional purge and vent assembly without the check valve option when using toxic and/or corrosive gases.

Advanced does not recommend the use of PTFE-lined stainless steel flexible hoses in bracket assemblies designed for oxygen service and will not provide such assemblies when ordered with CGA 540 connections.

Advanced does not recommend the use of PTFE-lined, stainless steel flexible hoses with hydrogen or helium and with high purity applications. Although these gases are compatible with the materials of construction, experience shows that permeation through the PTFE core can occur.

Optional Equipment and Replacement Parts

Equipment and Replacement Parts	Part No.
Vent Valve (Installed in Access Port)	
Brass Valve	SG6684
Stainless Steel Valve	SG6685
Purge Gas Inlet Valve (Installed in Access Port)	
Brass Valve	SG6690
Stainless Steel Valve	SG6691
Isolation Valve (Installed Between Pigtail and Block on One Cylinder Units)	
Brass System with Rigid Type Pigtail	SG6686
Brass System with 316 Stn. Stl. Flexible or PTFE-lined Type Hose	SG6687
Stainless Steel System with Rigid Type Pigtail	SG6688
Stainless Steel System with 316 Stn. Stl. Flexible or PTFE-lined Type Hose	SG6689
Purge & Vent Assembly with Check Valve (Installed in Access Port)	
Brass Assembly	SG6682
Stainless Steel Assembly	SG6683
Flashback Arrestor for Acetylene Service—One per Cylinder Installed between CGA and Pigtail on Brass Systems	SG6545
Replacement Pigtails, Rigid Type	
Brass without Check Valve	SG6646-(CGA)
Brass with Check Valve	SG6647-(CGA)
Stainless Steel without Check Valve	SG6648-(CGA)
Stainless Steel with Check Valve	SG6649-(CGA)
Replacement Pigtails, PTFE-lined Flexible Type	
Brass System without Check Valve	SG6620-(CGA)
Brass System with Check Valve	SG6621-(CGA)
Stainless Steel without Check Valve	SG6622-(CGA)
Stainless Steel with Check Valve	SG6623-(CGA)
Replacement Pigtails, 316 Stn. Stl. Flexible Type	
Brass System without Check Valve	SG6633-(CGA)
Brass System with Check Valve	SG6634-(CGA)
Stainless Steel without Check Valve	SG6635-(CGA)
Stainless Steel with Check Valve	SG6636-(CGA)

Where "(CGA)" is indicated above, insert proper Compressed Gas Association connection number to complete the part number. Example: SG6647-580. Order by complete part number.