

# RM SERIES

*Regulator Safety Mounting Brackets*

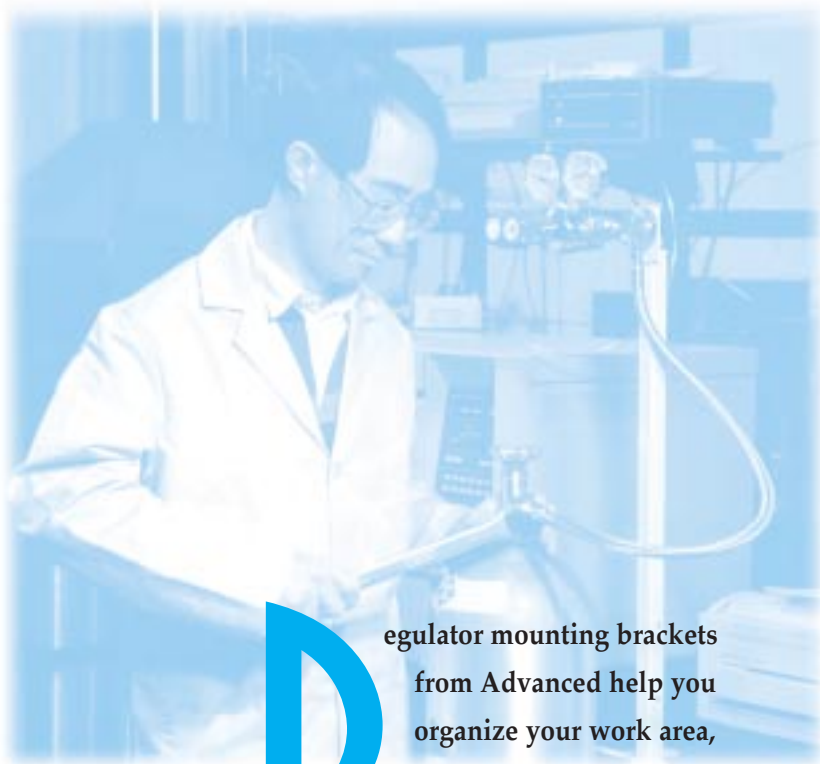
safe • easy • cost-effective



Gas Handling Solutions for Your Work Place



**ADVANCED**  
*Specialty Gas Equipment*



**R**egulator mounting brackets from Advanced help you organize your work area, improve safety and ensure gas purity. Wall-mount and bench-mount configurations help increase efficiency in your lab and provide the versatility to meet any application requirements. Our bench-mount model includes a built-in cylinder bench clamp and adjustable regulator mast.

 **ADVANCED**  
*Specialty Gas Equipment*

### **Improve Safety**

- Eliminates hazards with regulator and cylinder during change-out
- Ensures proper regulator alignment
- Prevents piping ruptures caused by stress
- Secured positioning prevents damage to regulator

### **Organize Work & Storage Areas**

- Consolidates work space for safety and efficiency
- Eliminates excess tubing by securing regulator in a fixed position
- Removes haphazard appearance of regulators and tubing

### **Maintain Gas Purity**

- Fixed mounting eliminates recurring leaks
- Reduces the need for downstream purification
- Check nipple prevents air contamination

### **Saves Time & Money**

- Allows fast, easy cylinder change-outs
- Reduces operating costs via lower maintenance
- Optional purge assemblies maintain purity without product loss



# ELIMINATE THESE HAZARDS IN YOUR LABORATORY

Advanced Regulator Mounting Brackets work with all cylinder regulators and provide an easy, cost-effective way to improve safety and reduce the possibility of system contamination.

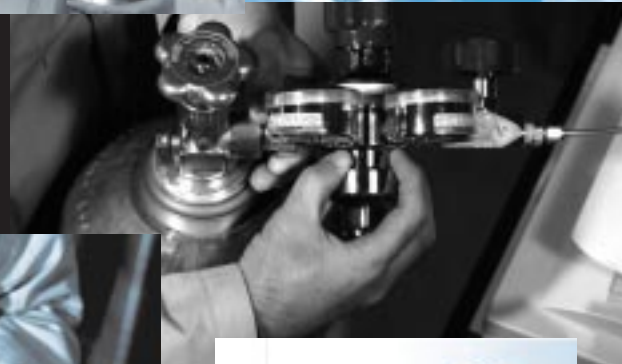
## Hand Injuries



## Stressed Tubing Loosened Fittings



## Improper Regulator Alignment



## Awkward Cylinder Change-out



## Unsecured Regulator



# Regulator Mounting Brackets

## OPTIONAL FEATURES

- Double-braided (all metal) stainless steel flexible hose maintains gas purity and provides ease of connecting cylinder.
- Teflon<sup>®</sup>-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 change-out.
- Purge and vent assembly enhances system purity and operator safety.



**Wall Mount: Single Cylinder**

## SPECIFICATIONS



**Bench Mount: Single Cylinder**

- Maximum inlet pressure: 3000 psig
- Rigid pigtail: 36" long, 0.25" OD tubing with a 5" ID service loop, providing a 23" useable length
- Flexible hose (all metal): 30" long, 0.25" nominal ID, 0.635" nominal OD
- Flexible hose (Teflon<sup>®</sup>-lined): 36" long, 0.187" nominal ID, 0.312" nominal OD
- Inlet connection: CGA connection as specified
- Outlet connection: CGA connection as specified, suitable for direct mounting of a pressure regulator
- Plugged access port: 1/4" NPT female
- Approximate weight: RMB models: 9 lbs. RMW models: 3 lbs.

## MATERIALS OF CONSTRUCTION

- Block and CGA fittings: brass or Type 316 SS as specified

- Pigtails:

Rigid: brass with brass assemblies. Type 316L SS with stainless steel assemblies

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

Flexible hose (Teflon<sup>®</sup>-lined): extruded PTFE Teflon<sup>®</sup> inner core with Type 304 SS single overbraid and Type 316 SS end fittings



**Wall Mount: Dual Cylinder**

- Seats:  
Check nipple: EPDM with brass systems Viton<sup>®</sup> with stainless steel systems
- Optional Valves: Kel-F 81<sup>®</sup>
- Bracket and clamp: 12 gauge hot roll steel with powder coat finish

## Ordering Information

To order a regulator safety mounting bracket, complete the part number using the “Part Number Key” at right. 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**.

### Notes:

Regulator Safety Mounting Bracket Assemblies for acetylene service require flashback arresters (SG6545). All assemblies ordered with CGA 510 will be billed and shipped with optional flashback arresters 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.

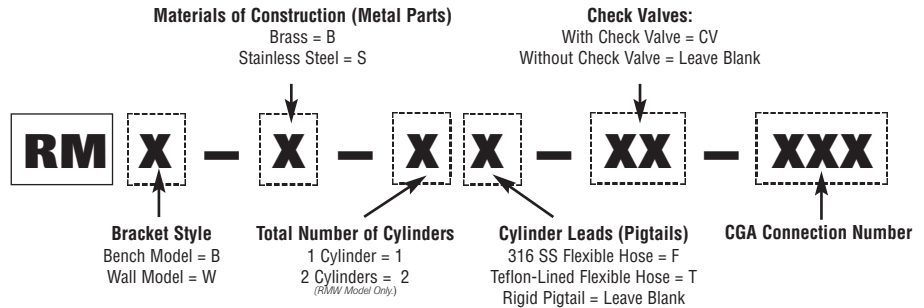
Advanced does not recommend the use of stainless steel components in bracket assemblies designed for oxygen service and will not provide such assemblies with CGA 540 connections.

Advanced does not recommend the use of Teflon-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 by the PTFE core can occur.

Teflon and Viton are registered trademarks of E.I. DuPont de Nemours & Company.

Kel-F 81 is a registered trademark of 3M Company.

## Part Number Key



## & REPLACEMENT PARTS

### OPTIONAL EQUIPMENT

#### Equipment and Replacement Parts

	Part No.
<b>Vent Valve (Installed in Access Port)</b>	
Brass Valve	SG6684
Stainless Steel Valve	SG6685
<b>Purge Valve (Installed in Access Port)</b>	
Brass Valve	SG6690
Stainless Steel Valve	SG6691
<b>Isolation Valve (Installed Between Pigtail and Block on One Cylinder Units)</b>	
Brass System with Rigid Type Pigtail	SG6686
Brass System with 316SS Flexible or Teflon-lined Type Hose	SG6687
Stainless Steel System with Rigid Type Pigtail	SG6688
Stainless Steel System with 316SS Flexible or Teflon-lined Type Hose	SG6689
<b>Purge and Vent Assembly (Installed in Access Port)</b>	
Brass Assembly	SG6682
Stainless Steel Assembly	SG6683
<b>Flashback Arrester for Acetylene Service – One per Cylinder</b>	
Installed between CGA and Pigtail on Brass Systems	SG6545
<b>Replacement Pigtails, Rigid Type</b>	
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)
<b>Replacement Pigtails, Teflon®-lined Flexible Type</b>	
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)
<b>Replacement Pigtails, 316 SS Flexible Type</b>	
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)

Advanced regulators available separately.

***For more information about ordering Advanced Specialty Gas Equipment products, contact your local Distributor.***



***Protect your investment — only use equipment specifically designed for high-purity applications from Advanced Specialty Gas Equipment***

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**For Technical Assistance, Call Toll Free: 888-999-ASGE**