

Regulator Safety Mounting Brackets

Model 8RM

Scott™ Brand Model 8RM Regulator Mounting Brackets help organize work areas, improve safety, and ensure gas purity by eliminating the installation of a regulator directly onto a gas cylinder valve. The fixed mounting of a cylinder regulator to an 8RM mounting bracket eliminates hazards incurred with regulator and cylinder during changeouts, while allowing fast and easy cylinder replacement.

The Model 8RM 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 connections.

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-mounted models.

Benefits/Features

Fixed mounting eliminates recurring leaks, ensures proper regulator alignment, and prevents damage to regulator.

Bracket dimensions allow for installation of single or two-stage regulators.

Spare access port in block provides versatility to install options (i.e. pressure switches, valves or additional pigtails).

Optional Features

Double-braided (all metal) stainless steel flexible hose maintains gas purity and provides ease of connecting cylinders.

PTFE-lined stainless steel flexible hose provides convenience and reduces costs (not recommended for high-purity applications).

Check valves prevent discharge of gas from regulator and pigtail during cylinder changeout.

Purge and vent assemblies enhance system purity and operator safety.

Specifications

Inlet Pressure: 3000 psig (207 bar) max.

Valve (dual cylinder only): Model 62 Diaphragm Packless Valve (see catalog page 330)

Inlet Connection: CGA connection as specified

Outlet Connection: CGA connection as specified (suitable for direct mounting of pressure regulator with inlet CGA)

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

Rigid Pigtail:

36" (91.4 cm) long
0.25" (6.35 mm) OD tubing with 5" (12.7 cm) ID service loop providing 23" (58.9 cm) usable length

Flexible Hose (PTFE-lined):

36" (91.4 cm) long
0.25" (6.35 mm) nominal ID
0.375" (9.53 mm) nominal OD

Flexible Hose (all metal):

30" (76.2 cm) long
0.285" (7.24 mm) nominal ID
0.445" (11.3 mm) nominal OD

Approximate Weight:

8RMB: 9 lbs. (4.08 kg)
8RMW-X-1: 3 lbs. (1.36 kg)
8RMW-X-2: 5 lbs. (2.27 kg)

Materials of Construction

Block and CGA Fittings:

Brass with brass assemblies

Type 316 Stainless Steel with stainless steel assemblies

Bracket and Clamp:

12-gauge hot-rolled steel with powder-coated epoxy finish

Pigtails:

Rigid: Brass with brass assemblies, Type 316L Stainless Steel with stainless steel assemblies

Flexible Hose (PTFE-lined): Extruded PTFE inner core with Type 304 Stainless Steel single over-braid and Type 316 Stainless Steel fittings

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

Seats:

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

Valves: PCTFE



Wall-Mount Dual Cylinders
(regulator sold separately)



Wall-Mount Single Cylinder
(regulator sold separately)



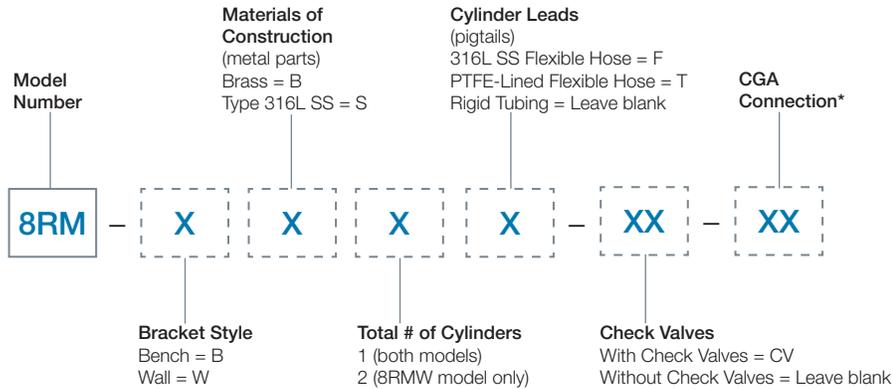
Bench-Mount Single Cylinder
(regulator sold separately)

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Regulator Safety Mounting Brackets (cont'd.)

Model 8RM

Part Number Key for Ordering



***CGA Code:** Use the code for the desired CGA from the table below. Other cylinder connections are available—please inquire.

Gas Service	CGA Connection	Code
Air	590	A5
Argon, helium or nitrogen	580	N2
Carbon dioxide	320	CD
Corrosives	660	C6
Hydrocarbons	510	HY
Hydrogen, methane or carbon monoxide	350	H2
Hydrogen chloride	330	HC
Oxygen	540	O2

Ordering Information

To order a regulator safety mounting bracket, complete the part number using the **Part Number Key**. 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 **8RM-WB1-CV-N2**.

Regulator safety mounting bracket assemblies for acetylene service require flashback arresters (IGAFAA4F4M). All assemblies ordered with CGA 510 will be billed and shipped with optional flashback arresters installed on each pigtail unless the order specifies with which gas it will be used.

Air Liquide 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.

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