

Model 8RM Regulator Wall Mounting Bracket

Model 8RM Regulator 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 8RM mounting bracket eliminates hazards incurred with regulator and cylinder during change-outs, while allowing fast and easy cylinder replacement.

The Model 8RM is furnished with a CGA outlet adapter suitable for direct mounting of a single or two-stage regulator (sold separately) with matching inlet CGA connections. Two diaphragm seal inlet isolation valves are provided standard with dual-cylinder models.

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 (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

Inlet Connection: CGA connection as specified

Outlet Connection: CGA adapter 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" long, 0.25" OD tubing with 5" ID service loop providing 23" usable 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:

Y158RMWX1: 3 lbs. (1.36 kg)

Y158RMWX2: 5 lbs. (2.27 kg)

Materials of Construction

Block and CGA Fittings:

Brass with brass assemblies
Type 316 Stainless Steel with stainless steel assemblies

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 overbraid 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

Diaphragm Valves: PCTFE



Wall-Mount Single Cylinder
(regulator sold separately)
Model Y158RMWS1FCVN2-AL

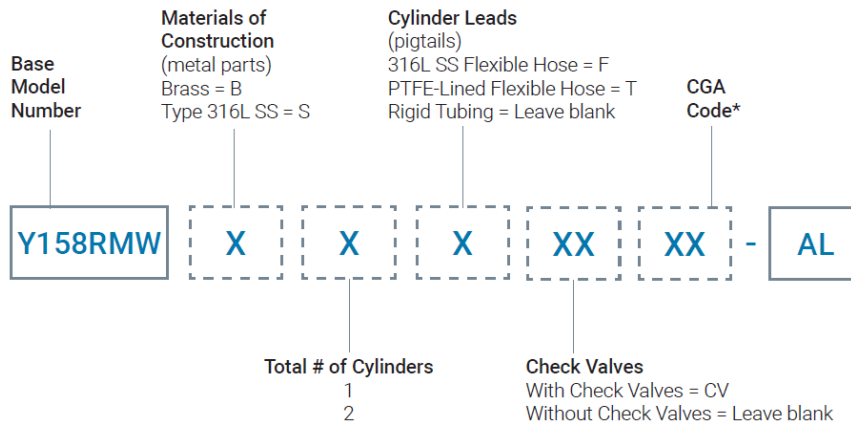


Wall-Mount Dual Cylinders
Model Y158RMWS2FCV(CGA)-AL

Contact us

Specialty Gas Equipment from Airgas
800.654.2737, option 3 | TaylorsCS@airgas.com
02/20203

Part Number Key for Ordering



* Replace with CGA Code from table below.

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

** Other cylinder connections are available – please contact your Airgas representative.

Ordering Information

To order a regulator 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 **Y158RMWB1CVN2-AL**. Example Part Numbers are listed below for reference. Other gas services and pigtail hose lengths (36", 48", 72") are available.

Regulator mounting bracket assemblies for acetylene service require flashback arresters (Y331FA510CV-AG). All assemblies ordered with CGA 510 will be built and shipped with flashback arresters installed on each pigtail unless the order specifies with which gas it will be used.

Airgas 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.

Airgas 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.

Part Number Examples Gas Service and configuration	Part Number
Zero Air, single cylinder, brass with check valve	Y158RMWB1FCVA5-AL
Zero Air, dual cylinder, brass with check valves	Y158RMWB2FCVA5-AL
Inert (Ar, He, N ₂), single cylinder, brass with check valve	Y158RMWB1FCVN2-AL
Inert (Ar, He, N ₂), dual cylinder, brass with check valves	Y158RMWB2FCVN2-AL
Carbon dioxide, single cylinder, brass with check valve	Y158RMWB1FCVCD-AL
Carbon dioxide, dual cylinder, brass with check valves	Y158RMWB2FCVCD-AL
Oxygen, single cylinder, brass with check valve	Y158RMWB1FCVO2-AL
Oxygen, dual cylinder, brass with check valves	Y158RMWB2FCVO2-AL
Flammable (CGA 350, etc.), single cylinder, stainless with check valve	Y158RMWS1FCVH2-AL
Hydrogen chloride, single cylinder, stainless steel with check valve	Y158RMWS1FCVHC-AL
Corrosives, single cylinder, stainless steel with check valve	Y158RMWS1FCVC6-AL

*Other Gas Services and Hose Lengths available – please call your local Airgas representative for more information.

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