

## Manifolds - Two/Three/Five Valve

A range of 2, 3 and 5 valve integral manifolds to be used with Rosemount® Coplanar™ style transmitters for static and differential pressure applications

### General Application

The MC/MT series includes 2 valve manifolds for static pressure; 3 and 5 valve models for differential pressure transmitters with specific variants for gas and power services, including those that meet ASME B31.1 or B31.3 for fossil fuel power plants.

### TECHNICAL DATA

#### Materials

316 SS, Hastelloy®

#### Seats:

Metal

#### Connections:

**MC:** Pipe x flanged

**MT:** Flange x flanged

**MC:** 1/2" NPT

**MT:** Double flanged or 1/4" NPT for futbol mounting

#### Orifice size:

0.156" (4.8 mm)

0.136" (3.5 mm) for gas service

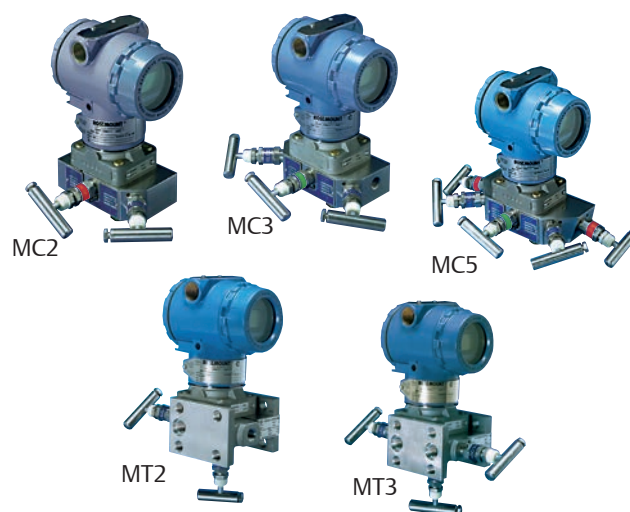
#### Pressure (max):

6000 psig (414 barg)

#### Temperature range (min/max):

-70°F to 1000°F

(-57°C to 538°C)



### Features

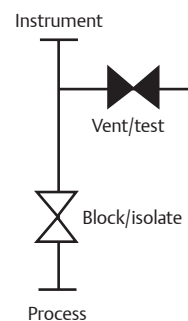
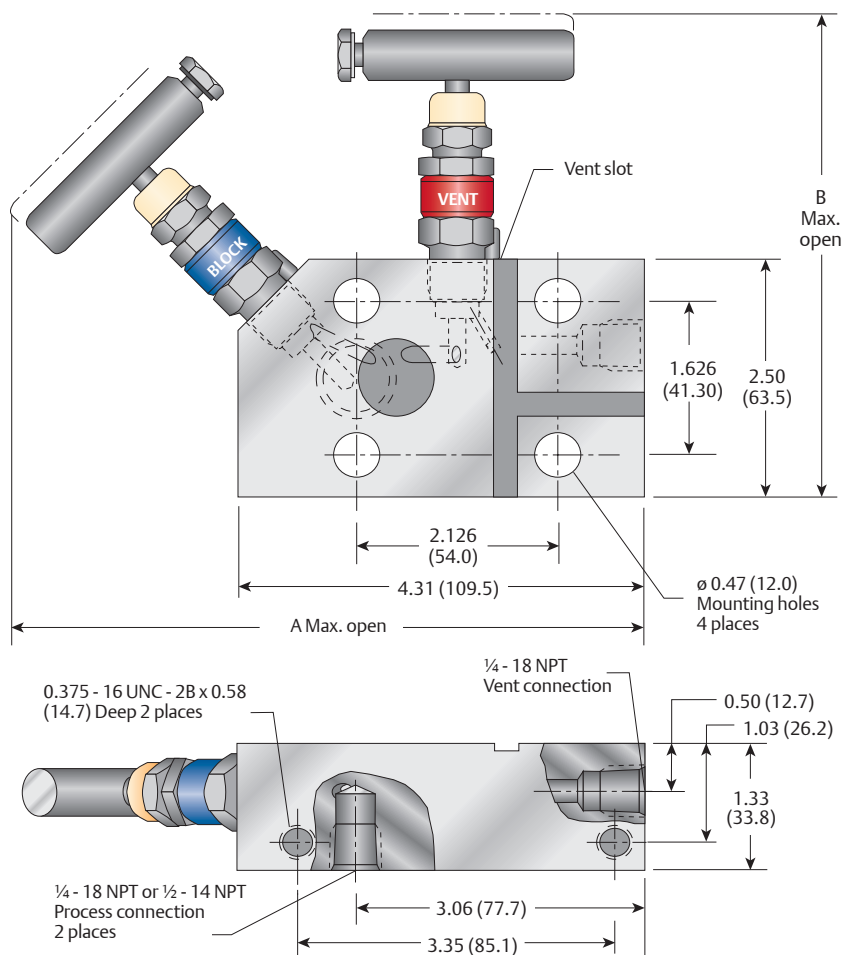
- Compatible with Rosemount® Coplanar™ style pressure transmitter models 3051C, 3051P, 2024 and 3095 Multivariable™.
- Ball end stems eliminate seat galling, provide bubble-tight shutoff and long life. Hardened, non-rotating balls ensure perfectly aligned closure.
- Packing below threads prevents lubricant washout, thread corrosion, process contamination and eliminates galling.
- Easily adjustable PTFE packing decreases replacement downtime and increases valve life.
- Dust covers protect stems from lubricant contamination.
- Safety back seating prevents stem blowout or accidental removal and provides a metal-to-metal secondary stem seal while in the fully open position.
- ENC plated 316 SS stems prevent galling or freezing of stem threads.
- Rolled stem and bonnet threads provide additional strength.
- Mirror stem finish in the packing areas provides smooth operation and extends packing life.
- Metal-to-metal body-to-bonnet seals in constant compression prevent bonnet thread corrosion, eliminate possible tensile breakage and give a reliable seal.
- Bonnet lock pins prevent accidental separation from the body while enabling easy maintenance and repair.
- Patented porting design allows complete venting of process fluids before start-up for easy installation commissioning, not trapping unwanted liquid or gas process fluids.

# MC SERIES

## Manifolds - Two Valve

### MC2 Dimensions

MC2 2-Valve Manifold for Static Pressure-Dimensions, inches (mm)



## Manifolds - Two Valve

### Standard Materials

| Valve              | Body and bonnet <sup>[2]</sup> | Stem and ball                |
|--------------------|--------------------------------|------------------------------|
| 316 SS             | A479-316<br>316                | A276-316<br>316              |
| SG <sup>[3]</sup>  | A479-316<br>316                | Monel® 400<br>Monel® K500    |
| SG3 <sup>[4]</sup> | Hastelloy® C-276               | Hastelloy® C-276<br>Elgiloy® |

### Pressure and Temperature Ratings

| Valve              | Packing                             | Ratings  |
|--------------------|-------------------------------------|--|
| 316 SS             | PTFE                                | 6000 psig at 200°F (414 barg at 93°C)<br>4000 psig at 500°F (276 barg at 260°C)  |
| 316 SS             | GRAFOIL®/<br>Low emissions graphite | 6000 psig at 200°F (414 barg at 93°C)<br>1500 psig at 1000°F (103 barg at 538°C) |
| SG <sup>[3]</sup>  | PTFE                                | 6000 psig at 200°F (414 barg at 93°C)<br>4000 psig at 500°F (276 barg at 260°C)  |
| SG <sup>[3]</sup>  | GRAFOIL®/<br>Low emissions graphite | 6000 psig at 200°F (414 barg at 93°C)<br>1500 psig at 1000°F (103 barg at 538°C) |
| SG3 <sup>[4]</sup> | PTFE                                | 6000 psig at 200°F (414 barg at 93°C)<br>4000 psig at 500°F (276 barg at 260°C)  |
| SG3 <sup>[4]</sup> | GRAFOIL®/<br>Low emissions graphite | 6000 psig at 200°F (414 barg at 93°C)<br>1500 psig at 1000°F (103 barg at 538°C) |

### Dimensions - inches (mm)

| Valve <sup>[1]</sup> | PTFE<br>packed | GRAFOIL® and Low emissions<br>graphite packed |
|----------------------|----------------|---|
| A                    | 6.85 (174.0)   | 7.49 (190.2)                                  |
| B                    | 5.10 (129.5)   | 5.75 (146.1)                                  |

### Minimum temperature

|  |               |
|--|---------------|
| 316 SS O-ring seal                             | -20°F (-29°C) |
| 316 SS, Monel®, Hastelloy®,<br>PTFE packed     | -70°F (-57°C) |
| 316 SS, Monel®, Hastelloy®,<br>GRAFOIL® packed | -70°F (-57°C) |

### NOTES

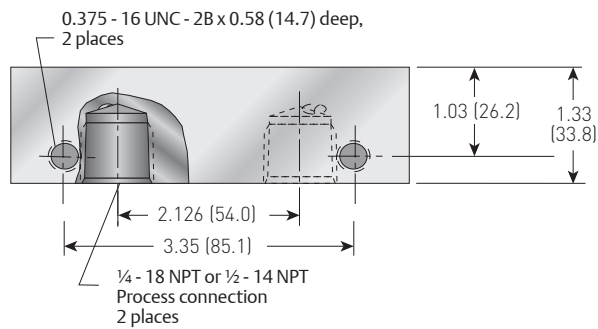
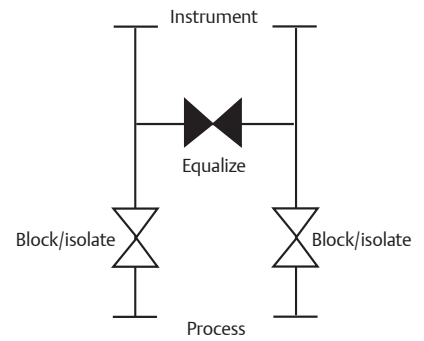
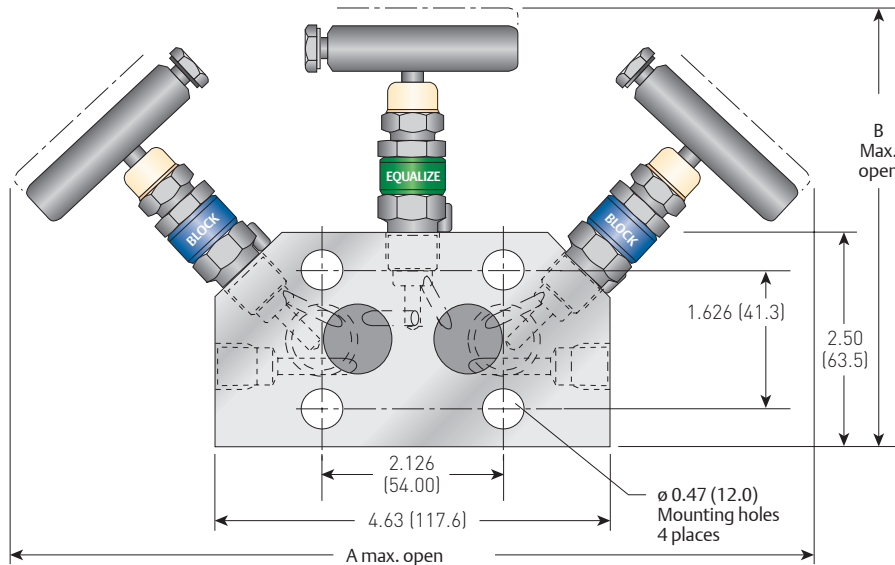
1. Approximate valve weight: 4.1 lb (1.9 kg). 0.156 inch (4.0 mm) diameter orifice.  
Valve Cv 0.36 maximum.
2. Body face is slotted to assure atmospheric vent when a differential transmitter is used.
3. SG (Sour Gas) meets the requirements of NACE MR0175/ISO 15156 (for chloride conditions ≤ 50 mg/l [ppm]) and NACE MR0103.
4. SG3 (Sour Gas) meets the requirements of NACE MR0175/ISO 15156 (for chloride conditions > 50 mg/l [ppm]).
5. Optional bolting 2.25" consult factory

# MC SERIES

## Manifolds - Three Valve

### MC3 Dimensions

MC3 3-Valve Manifold with Optional Externally Valved Test Ports-Dimensions, inches (mm)



## Manifolds - Three Valve

### Standard Materials

| Valve <sup>[2]</sup> | Body and bonnet  | Stem and ball                |
|----------------------|------------------|------------------------------|
| 316 SS               | A479-316<br>316  | A276-316<br>316              |
| SG <sup>[3]</sup>    | A479-316<br>316  | Monel® 400<br>Monel® K500    |
| SG3 <sup>[4]</sup>   | Hastelloy® C-276 | Hastelloy® C-276<br>Elgiloy® |

### Pressure and Temperature Ratings

| Valve              | Packing                             | Ratings  |
|--------------------|-------------------------------------|--|
| 316 SS             | PTFE                                | 6000 psig at 200°F (414 barg at 93°C)<br>4000 psig at 500°F (276 barg at 260°C)  |
| 316 SS             | GRAFOIL®/<br>Low emissions graphite | 6000 psig at 200°F (414 barg at 93°C)<br>1500 psig at 1000°F (103 barg at 538°C) |
| SG <sup>[3]</sup>  | PTFE                                | 6000 psig at 200°F (414 barg at 93°C)<br>4000 psig at 500°F (276 barg at 260°C)  |
| SG <sup>[3]</sup>  | GRAFOIL®/<br>Low emissions graphite | 6000 psig at 200°F (414 barg at 93°C)<br>1500 psig at 1000°F (103 barg at 538°C) |
| SG3 <sup>[4]</sup> | PTFE                                | 6000 psig at 200°F (414 barg at 93°C)<br>4000 psig at 500°F (276 barg at 260°C)  |
| SG3 <sup>[4]</sup> | GRAFOIL®/<br>Low emissions graphite | 6000 psig at 200°F (414 barg at 93°C)<br>1500 psig at 1000°F (103 barg at 538°C) |

### Dimensions - inches (mm)

| Valve <sup>[1]</sup> | PTFE packed  | GRAFOIL® and Low emissions<br>graphite packed |
|----------------------|--------------|---|
| A                    | 9.60 (243.8) | 10.98 (278.9)                                 |
| B                    | 5.10 (129.5) | 5.75 (146.1)                                  |

### Minimum temperature

|  |               |
|--|---------------|
| 316 SS O-ring seal                             | -20°F (-29°C) |
| 316 SS, Monel®, Hastelloy®,<br>PTFE packed     | -70°F (-57°C) |
| 316 SS, Monel®, Hastelloy®,<br>GRAFOIL® packed | -70°F (-57°C) |

### NOTES

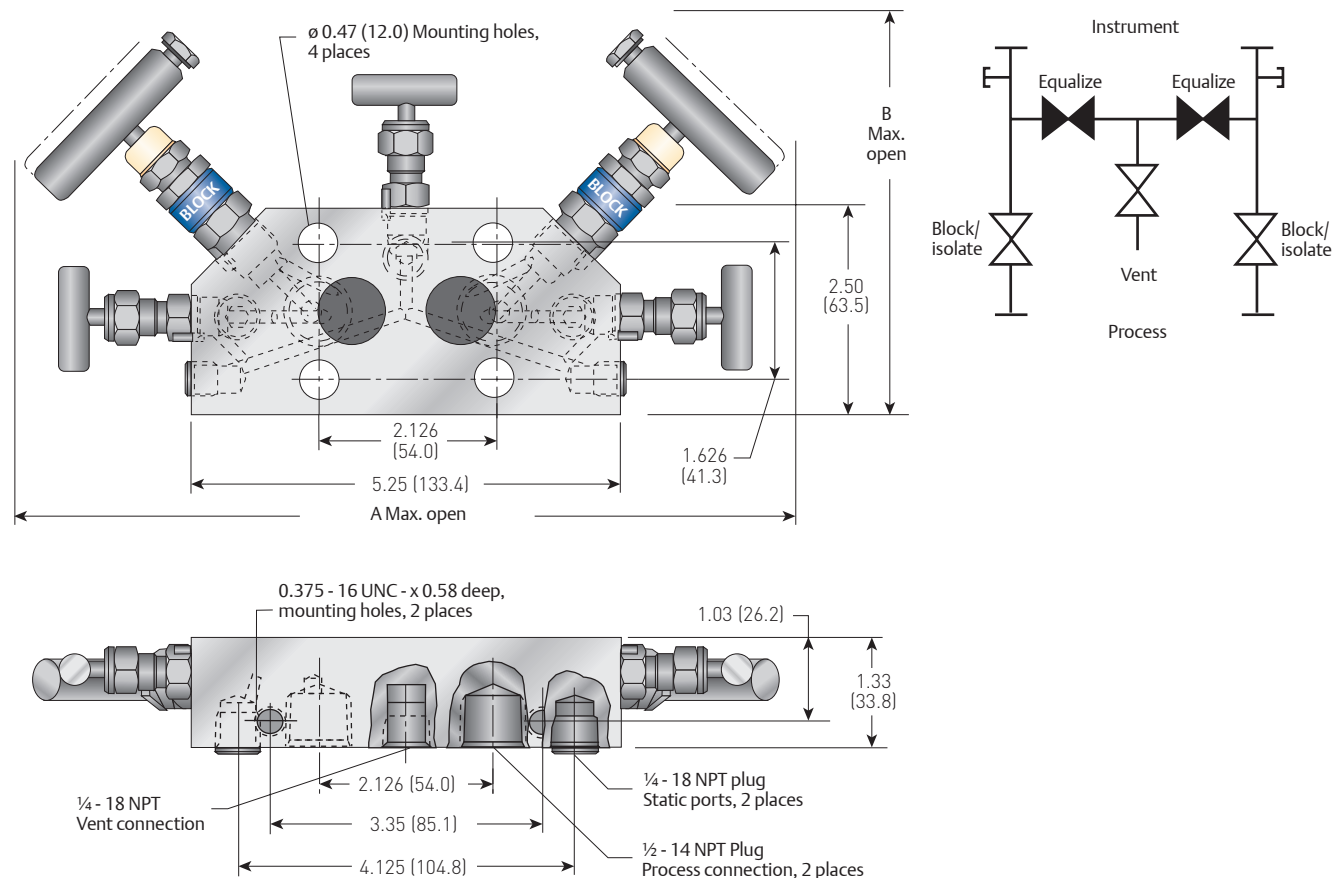
- Approximate valve weight:  
5.0 lb (2.3 kg) for MC3VI ( )-2-H5,  
.4 lb (2.0 kg) for MC3VI ( )-2  
0.156 inch (4.0 mm) diameter orifice.  
Valve Cv 0.36 maximum.
- Optional test port valves are H5VDS-22, convertible soft-to-metal seat.
- SG (Sour Gas) meets the requirements of NACE MR0175/ISO 15156 (for chloride conditions ≤ 50 mg/l [ppm]) and NACE MR0103.
- SG3 (Sour Gas) meets the requirements of NACE MR0175/ISO 15156 (for chloride conditions > 50 mg/l [ppm]).
- Optional bolting 2.25", consult factory.

# MC SERIES

## Manifolds - Five Valve

### MC5G Dimensions

#### MC5G 5-Valve Manifold for Gas Service (Patent Protected)-Dimensions, inches (mm)



### Standard Materials

| Valve <sup>[1]</sup> | Body and bonnet        | Stem and ball                | Packing |
|----------------------|------------------------|------------------------------|---------|
| 316 SS               | A479-316<br>316        | A276-316<br>316              | PTFE    |
| SG <sup>[2]</sup>    | A479-316<br>316/Monel® | Monel® 400<br>Monel® K500    | PTFE    |
| SG3 <sup>[3]</sup>   | Hastelloy® C-276       | Hastelloy® C-276<br>Elgiloy® | PTFE    |

#### Dimensions - inches (mm)

| Valve <sup>[1]</sup> | GRAFOIL®      |
|----------------------|---------------|
| A                    | 10.98 (278.9) |
| B                    | 5.55 (140.97) |

### Pressure and Temperature Ratings

| Valve  | Ratings   |
|--|---|
| 316 SS, SG <sup>[2]</sup> , SG3 <sup>[3]</sup> | 6000 psig at 200°F (414 barg at 93°C)<br>4000 psig at 500°F (276 barg at 260°C) |

#### Minimum temperature

|  |               |
|--|---------------|
| 316 SS O-ring seal                             | -20°F (-29°C) |
| 316 SS, Monel®, Hastelloy®,<br>PTFE packed     | -70°F (-57°C) |
| 316 SS, Monel®, Hastelloy®,<br>GRAFOIL® packed | -70°F (-57°C) |

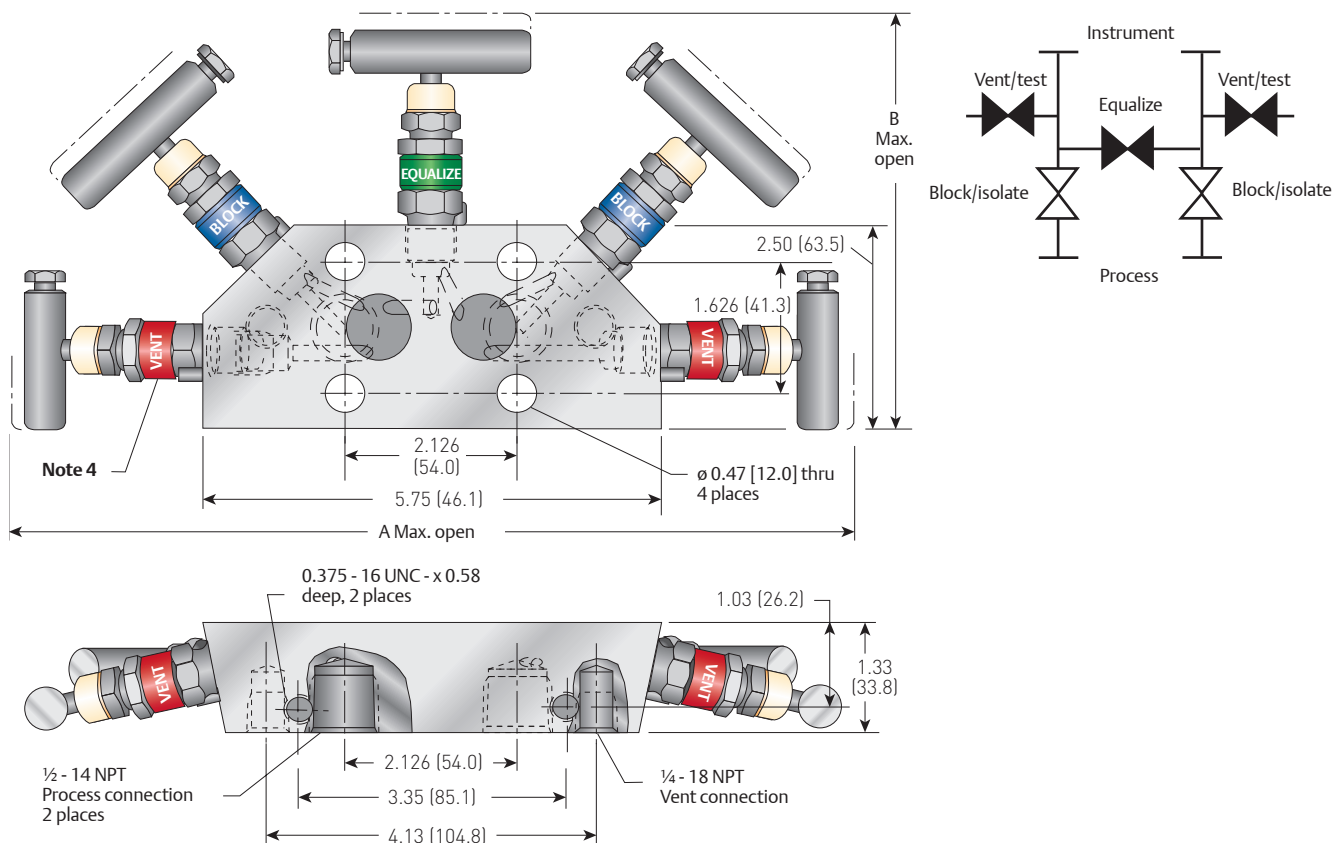
#### NOTES

1. Approximate valve weight: 4.8 lb (2.2 kg).  
0.136 inch (3.5 mm) diameter orifice.  
Valve Cv 0.24 maximum.
2. SG (Sour Gas) meets the requirements of NACE MR0175/ISO 15156 (for chloride conditions ≤ 50 mg/l [ppm]) and NACE MR0103.
3. SG3 (Sour Gas) meets the requirements of NACE MR0175/ISO 15156 (for chloride conditions > 50 mg/l [ppm]).
4. Static port plug is optional.

## Manifolds - Five Valve

### MC5P Dimensions

MC5P 5-Valve Manifold with Two Integral Test Valves (Patent Protected)-Dimensions, inches (mm)



### Standard Materials

| Valve <sup>[1]</sup> | Body and bonnet        | Stem and ball                | Packing |
|----------------------|------------------------|------------------------------|---------|
| 316 SS               | A479-316<br>316        | A276-316<br>316              | PTFE    |
| SG <sup>[2]</sup>    | A479-316<br>316/Monel® | Monel® 400<br>Monel® K500    | PTFE    |
| SG3 <sup>[3]</sup>   | Hastelloy® C-276       | Hastelloy® C-276<br>Elgiloy® | PTFE    |

### Dimensions - inches (mm)

| Valve <sup>[1]</sup> | PTFE packed   | GRAFOIL® and Low emissions graphite packed |
|----------------------|---------------|--|
| A                    | 10.95 (278.1) | 12.40 (315.0)                              |
| B                    | 5.10 (129.5)  | 5.75 (146.1)                               |

### Pressure and Temperature Ratings

| Valve  | Ratings  | Packing  |
|--|--|----------|
| 316 SS, SG <sup>[2]</sup> , SG3 <sup>[3]</sup> | 6000 psig at 200°F (414 barg at 93°C)<br>4000 psig at 500°F (276 barg at 260°C)  | PTFE     |
| 316 SS, SG <sup>[2]</sup> , SG3 <sup>[3]</sup> | 6000 psig at 200°F (414 barg at 93°C)<br>1500 psig at 1000°F (103 barg at 538°C) | GRAFOIL® |

### Minimum temperature

|   |               |
|---|---------------|
| 316 SS O-ring seal                          | -20°F (-29°C) |
| 316 SS, Monel®, Hastelloy®, PTFE packed     | -70°F (-57°C) |
| 316 SS, Monel®, Hastelloy®, GRAFOIL® packed | -70°F (-57°C) |

### NOTES

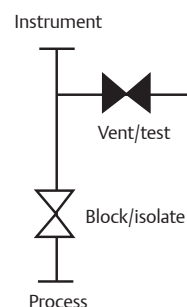
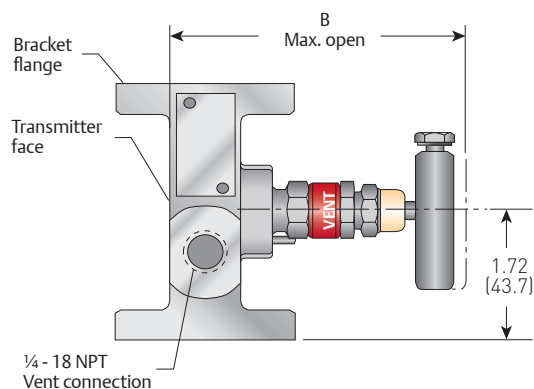
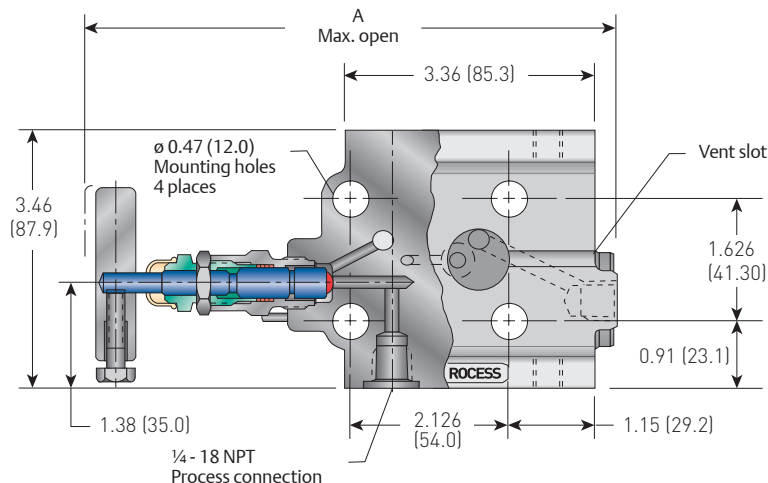
1. Approximate valve weight: 5.3 lb (2.4 kg).  
0.156 inch (4.0 mm) diameter orifice.  
Valve Cv 0.36 maximum.
2. SG (Sour Gas) meets the requirements of NACE MR0175/ISO 15156 (for chloride conditions ≤ 50 mg/l [ppm]) and NACE MR0103.
3. SG3 (Sour Gas) meets the requirements of NACE MR0175/ISO 15156 (for chloride conditions > 50 mg/l [ppm]).
4. Valve bonnet labels not supplied on GRAFOIL® packed bonnets due to temperature limitations.

# MT SERIES

## Manifolds - Two Valve

### MT2 Dimensions

MT2 2-Valve Manifold for Static Pressure-Dimensions, inches (mm)



### Standard Materials

| Valve              | Body and bonnet <sup>[2]</sup> | Stem and ball                |
|--------------------|--------------------------------|------------------------------|
| 316 SS             | A479-316<br>316                | A276-316<br>316              |
| SG <sup>[3]</sup>  | A479-316<br>316                | Monel® 400<br>Monel® K500    |
| SG3 <sup>[4]</sup> | Hastelloy® C-276               | Hastelloy® C-276<br>Elgiloy® |

Dimensions - inches (mm)

| Valve <sup>[1]</sup> | PTFE packed  | GRAFOIL® and Low emissions graphite packed |
|----------------------|--------------|--|
| A                    | 6.79 (172.5) | 7.44 (188.9)                               |
| B                    | 4.04 (102.6) | 4.69 (119.1)                               |

### Pressure and Temperature Ratings

| Valve              | Packing                             | Ratings  |
|--------------------|-------------------------------------|--|
| 316 SS             | PTFE                                | 6000 psig at 200°F (414 barg at 93°C)<br>4000 psig at 500°F (276 barg at 260°C)  |
| 316 SS             | GRAFOIL®/<br>Low emissions graphite | 6000 psig at 200°F (414 barg at 93°C)<br>1500 psig at 1000°F (103 barg at 538°C) |
| SG <sup>[3]</sup>  | PTFE                                | 6000 psig at 200°F (414 barg at 93°C)<br>4000 psig at 500°F (276 barg at 260°C)  |
| SG <sup>[3]</sup>  | GRAFOIL®/<br>Low emissions graphite | 6000 psig at 200°F (414 barg at 93°C)<br>1500 psig at 1000°F (103 barg at 538°C) |
| SG3 <sup>[4]</sup> | PTFE                                | 6000 psig at 200°F (414 barg at 93°C)<br>4000 psig at 500°F (276 barg at 260°C)  |
| SG3 <sup>[4]</sup> | GRAFOIL®/<br>Low emissions graphite | 6000 psig at 200°F (414 barg at 93°C)<br>1500 psig at 1000°F (103 barg at 538°C) |

### Minimum temperature

|  |               |
|--|---------------|
| 316 SS O-ring seal                             | -20°F (-29°C) |
| 316 SS, Monel®, Hastelloy®,<br>PTFE packed     | -70°F (-57°C) |
| 316 SS, Monel®, Hastelloy®,<br>GRAFOIL® packed | -70°F (-57°C) |

### NOTES

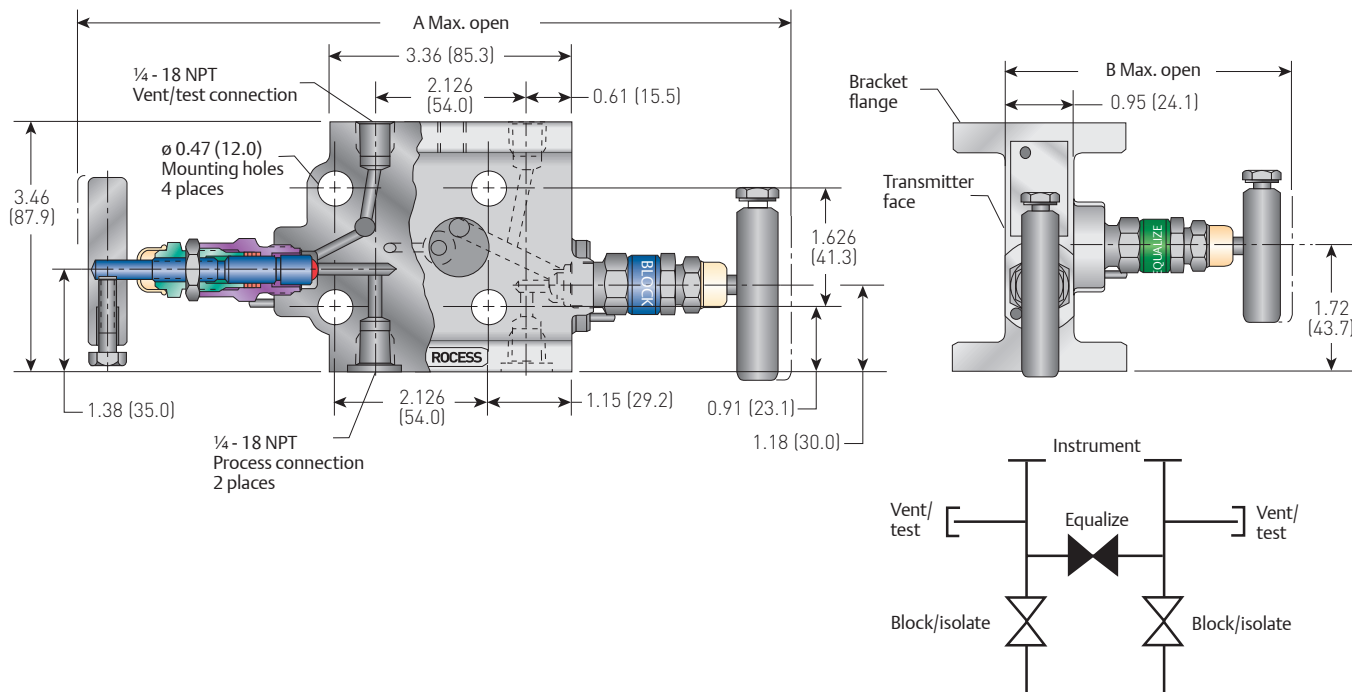
- Approximate valve weight: 4.6 lb (2.09 kg).  
0.156 inch (4.0 mm) diameter orifice.  
Valve Cv 0.36 maximum.
- Body face is slotted to assure atmospheric vent when a differential transmitter is used.
- SG (Sour Gas) meets the requirements of NACE MR0175/ISO 15156 (for chloride conditions ≤ 50 mg/l [ppm]) and NACE MR0103.
- SG3 (Sour Gas) meets the requirements of NACE MR0175/ISO 15156 (for chloride conditions > 50 mg/l [ppm]).



## Manifolds - Three Valve

### MT3 Dimensions

MT3 3-Valve Manifold with Test Ports-Dimensions, inches (mm)



### Standard Materials<sup>[2]</sup>

| Valve              | Body and bonnet  | Stem and ball                |
|--------------------|------------------|------------------------------|
| 316 SS             | A479-316<br>316  | A276-316<br>316              |
| SG <sup>[3]</sup>  | A479-316<br>316  | Monel® 400<br>Monel® K500    |
| SG3 <sup>[4]</sup> | Hastelloy® C-276 | Hastelloy® C-276<br>Elgiloy® |

Dimensions - inches (mm)

| Valve <sup>[1]</sup> | PTFE packed  | GRAFOIL® and Low emissions graphite packed |
|----------------------|--------------|--|
| A                    | 9.72 (246.9) | 11.02 (279.9)                              |
| B                    | 4.04 (102.6) | 4.69 (119.1)                               |

### Pressure and Temperature Ratings

| Valve              | Packing                             | Ratings  |
|--------------------|-------------------------------------|--|
| 316 SS             | PTFE                                | 6000 psig at 200°F (414 barg at 93°C)<br>4000 psig at 500°F (276 barg at 260°C)  |
| 316 SS             | GRAFOIL®/<br>Low emissions graphite | 6000 psig at 200°F (414 barg at 93°C)<br>1500 psig at 1000°F (103 barg at 538°C) |
| SG <sup>[3]</sup>  | PTFE                                | 6000 psig at 200°F (414 barg at 93°C)<br>4000 psig at 500°F (276 barg at 260°C)  |
| SG <sup>[3]</sup>  | GRAFOIL®/<br>Low emissions graphite | 6000 psig at 200°F (414 barg at 93°C)<br>1500 psig at 1000°F (103 barg at 538°C) |
| SG3 <sup>[4]</sup> | PTFE                                | 6000 psig at 200°F (414 barg at 93°C)<br>4000 psig at 500°F (276 barg at 260°C)  |
| SG3 <sup>[4]</sup> | GRAFOIL®/<br>Low emissions graphite | 6000 psig at 200°F (414 barg at 93°C)<br>1500 psig at 1000°F (103 barg at 538°C) |

### Minimum temperature

|  |               |
|--|---------------|
| 316 SS O-ring seal                             | -20°F (-29°C) |
| 316 SS, Monel®, Hastelloy®,<br>PTFE packed     | -70°F (-57°C) |
| 316 SS, Monel®, Hastelloy®,<br>GRAFOIL® packed | -70°F (-57°C) |

### NOTES

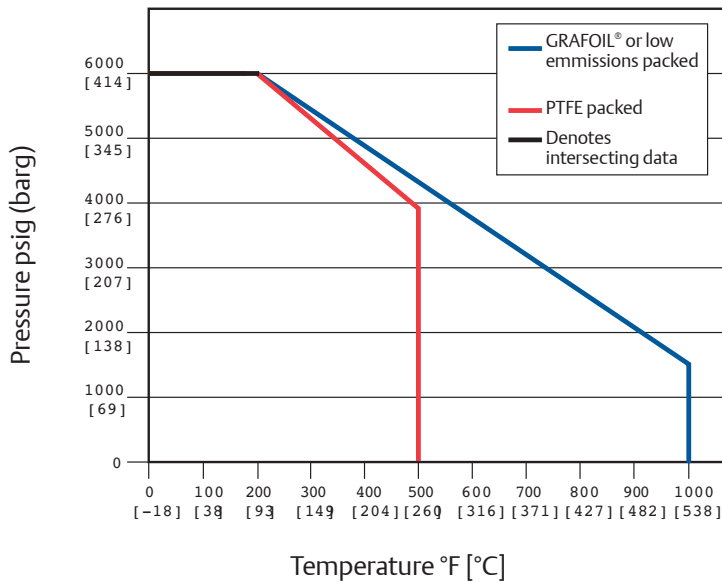
1. Approximate valve weight: 4.9 lb (2.22 kg).  
0.156 inch (4.0 mm) diameter orifice.  
Valve Cv 0.36 maximum.
2. Monel® and Hastelloy® are also available.
3. SG (Sour Gas) meets the requirements of NACE MR0175/ISO 15156 (for chloride conditions ≤ 50 mg/l [ppm]) and NACE MR0103.
4. SG3 (Sour Gas) meets the requirements of NACE MR0175/ISO 15156 (for chloride conditions > 50 mg/l [ppm]).

# MC/MT SERIES

## Manifolds - Two/Three/Five Valve

### Pressure vs. Temperature

Pressure vs. Temperature



#### Minimum temperature

|  |               |
|--|---------------|
| 316 SS O-ring seal                             | -20°F (-29°C) |
| 316 SS, Monel®, Hastelloy®,<br>PTFE packed     | -70°F (-57°C) |
| 316 SS, Monel®, Hastelloy®,<br>GRAFOIL® packed | -70°F (-57°C) |

### Bonnet Assemblies

The metal-seated bonnet assemblies have rotating stems with free swivel ball-type seats for long service life. The specially hardened ball seat is ideal for gas, steam and liquid service.

All stem threads are rolled and lubricated to prevent galling and reduce operating torque. The stem seal is a patented PTFE packing gland which is adjustable in service. All bonnets are assembled with a bonnet locking pin to prevent accidental removal while in service and PTFE assemblies have a protective dust cap fitted to contain stem lubricant and prevent the influx of contaminants.

The high-temperature bonnet assemblies use stems and bonnets incorporating adjustable graphite rings and back-up pressure rings to ensure a leak-free stem seal and are fitted with larger size T-bar handles.

## Manifolds - Two/Three/Five Valve

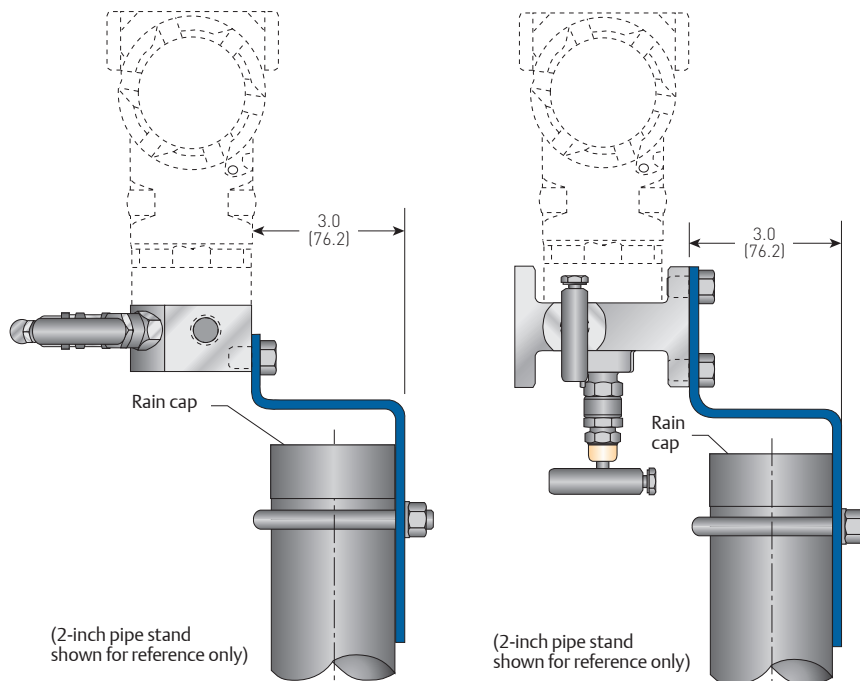
### MC/MT Mounting Kits

#### MC/MT AGCO Mount Kits

| Manifold style | Material          |
|----------------|-------------------|
| MT             | CS <sup>[1]</sup> |
| MT             | SS                |
| MC             | CS <sup>[1]</sup> |
| MC             | 316 SS            |

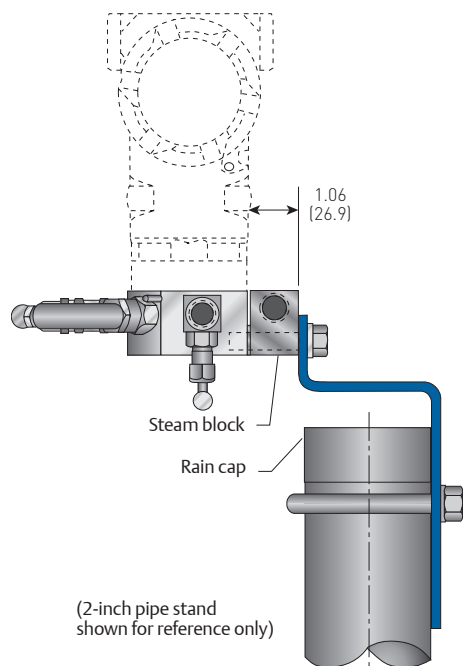
#### NOTE

1. Zinc TCP plated



#### MC Steam Block Option Kit

| Manifold style | Material |
|----------------|----------|
| MC             | 316 SS   |



# MC SERIES

## Manifolds - Two/Three/Five Valve

### Selection Guide - MC (Rosemount® Coplanar™ only) Specifications

| MC           |    | 3                         |  | V       |   | I    |   | S                        |  | -4   |    | -PS     |               |                                    |   |
|--------------|----|---------------------------|--|---------|---|------|---|--------------------------|--|--|----|---------|---------------|------------------------------------|---|
| BASIC SERIES |    | TYPE                      |  | PACKING |   | SEAT |   | MATERIAL                 |  | END CONNECTION   |    | OPTIONS |               |                                    |   |
| MC Coplanar™ | 2  | 2 valve (static pressure) |  | V       | PTFE  |      | I | Integral (body material) | S  | 316 SS   |    | 4       | 1/2-inch FNPT | AM                                 | AGCO Mount kit for 2-inch pipe stand mounting of manifold |
|              | 3  | 3 valve (ΔP)              |  | H       | GRAFOIL® (not available for MC5G)               |      |   |                          | J  | Hastelloy®   |    |         |               | BL                                 | Bonnet lock device (standard on power plant manifolds)    |
|              | 5G | 5 valve (gas)(ΔP)         |  | E       | Low emissions-graphite (not available for MC5G) |      |   |                          |  |  | CB |         |               | Ceramic ball ended stem            |   |
|              | 5P | 5 valve (power)(ΔP)       |  |         |   |      |   |                          |  |  | H5 |         |               | H5VDS-22 vent valve (2) (MC3 only) |   |
|              |    |                           |  |         |   |      |   |                          | 1H5  | H5VDS-22 vent valve (1) (MC2, MC3 only)  |    |         |               |                                    |   |
|              |    |                           |  |         |   |      |   |                          | HD   | Hydrostatic testing (100 percent) (MSS SP-61)  |    |         |               |                                    |   |
|              |    |                           |  |         |   |      |   |                          | OC00   | Cleaned for oxygen service   |    |         |               |                                    |   |
|              |    |                           |  |         |   |      |   |                          | PS <sup>[1]</sup>  | Required MC5G Static test ports only   |    |         |               |                                    |   |
|              |    |                           |  |         |   |      |   |                          | SB   | Steam block (MC only)  |    |         |               |                                    |   |
|              |    |                           |  |         |   |      |   |                          | SG   | (Sour Gas) meets the requirements of NACE MR0175/ISO 15156 (for chloride conditions ≤ 50 mg/l [ppm]) and NACE MR0103 |    |         |               |                                    |   |
|              |    |                           |  |         |   |      |   | SG3                      | (Sour Gas) meets the requirements of NACE MR0175/ISO 15156 (for chloride conditions > 50 mg/l [ppm]) |  |    |         |               |                                    |   |
|              |    |                           |  |         |   |      |   | SS                       | All 316 SS materials on non wetted components  |  |    |         |               |                                    |   |

#### NOTES

1. Required on MC5G Static test.
2. Bolts, plugs, bleed plugs and gaskets are not included; contact factory if bolts, plugs or gaskets are required.



## Manifolds - Two/Three Valve

## Selection Guide - MT (Rosemount® Coplanar™ only) Specifications

| MT                              | 3                           | V                                      | I                          | S            | -2  | -PS  |
|---------------------------------|-----------------------------|--|----------------------------|--------------|---|--|
| BASIC SERIES                    | TYPE                        | PACKING                                | SEAT                       | MATERIAL     | END CONNECTION                                    | OPTIONS  |
| MT Traditional (double flanged) | 2 2 valve (static pressure) | V PTFE                                 | I Integral (body material) | S 316 SS     | 4 1/4-inch FNPT (use if futbol mounting to inlet) | AM AGCO Mount kit for 2-inch pipe stand mounting of manifold   |
|                                 | 3 3 valve (ΔP)              | H GRAFOIL®<br>E Low emissions-graphite |                            | J Hastelloy® |   | BL Bonnet lock device (standard on power plant manifolds)<br>CB Ceramic ball ended stem<br><br>CL00 Cleaned for chlorine service<br><br>HD Hydrostatic testing (100 percent) (MSS SP-61)<br><br>OC00 Cleaned for oxygen service<br><br>SG (Sour Gas) meets the requirements of NACE MR0175/ISO 15156 (for chloride conditions ≤ 50 mg/l [ppm]) and NACE MR0103<br>SG3 (Sour Gas) meets the requirements of NACE MR0175/ISO 15156 (for C-chloride conditions > 50 mg/l [ppm])<br>SS All 316 SS materials on non wetted components |

**NOTE**

Bolts, bleed plugs and gaskets are not included; contact factory if bolts, plugs or gaskets are required.

# MC/MT SERIES

## Manifolds - Two/Three/Five Valve

### Selection Guide - MC ASME B31.1 - Power industry

MC and MT ASME B31.1 or B31.3 specifications meets MSS SP-105

| MC           | 3HP                           | S        | -4 -XP          | -AM  |
|--------------|-------------------------------|----------|-----------------|--|
| BASIC SERIES | TYPE                          | MATERIAL | END CONNECTION  | OPTIONS  |
| MC Coplanar™ | 2HP 2 valve (static pressure) | S 316 SS | 4 1/2-inch FNPT | AM AGCO Mount kit for 2-inch pipe stand mounting of manifold |
|              | 3HP 3 valve (ΔP)              |          |                 | SS All 316 SS materials on non wetted components             |
|              | 5HP 5 valve (power)(ΔP)       |          |                 |  |

### Selection Guide - MT ASME B31.1 - Power industry

| MC                              | 3HP                           | S        | -2 -XP  | -AM  |
|---------------------------------|-------------------------------|----------|---|--|
| BASIC SERIES                    | TYPE                          | MATERIAL | END CONNECTION                                    | OPTIONS  |
| MC Traditional (double flanged) | 2HP 2 valve (static pressure) | S 316SS  | 4 1/4-inch FNPT (use if futbol mounting to inlet) | AM AGCO Mount kit for 2-inch pipe stand mounting of manifold |
|                                 | 3HP 3 valve (ΔP)              |          |   | SS All 316SS materials on non wetted components              |

#### NOTES

- All manifolds come standard with GRAFOIL® packing, integral seats, bonnet locks, and are subjected to hydrostatic testing.
- Manifold ratings:  
SST  
6000 psig at 100°F (414 barg at 38°C)  
3030 psig at 1000°F (209 barg at 538°C)
- Bolts, plugs, bleed plugs and gaskets are not included; contact factory if bolts, plugs or gaskets are required.