

Instrumentation Products

E Series Valves and Manifolds



Introduction

Introduction

The AS-Schneider Group with its headquarters in Germany is one of the World's Leading Manufacturers of Instrumentation Valves and Manifolds. AS-Schneider offers a large variety of E Series Valves and Manifolds as well as numerous accessories needed for the instrumentation installations globally.

Selection can be made from a comprehensive range of bodies with a variety of connections and material options, optimising installation and access opportunities. Many of the valves shown in this catalogue are available from stock or within a short period of time. The dimensions shown in this catalogue apply to standard types – very often 1/2 NPT treaded. If you need the dimensions for your individual type please contact the factory.

Note: Not every configuration which can be created in the ordering information is feasible / available.

Continuous product development may from time to time necessitate changes in the details contained in this catalogue. AS-Schneider reserves the right to make such changes at their discretion and without prior notice.

All dimensions shown in this catalogue are approximate and subject to change.



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General Features

| Material Group | AS Material Designation | Material No. | Short Name | Equivalent UNS-No. | Material Grade acc. to ASTM | E Series Needle Valves and Manifolds |
|-------------------------------|----------------------------|-----------------|---------------------|-----------------------|--------------------------------|--|
| Carbon Steel | A105 | | | | A105 | Optional |
| | 316 quadruple | 1.4401 | X5CrNiMo17-12-2 | S31600 | 316 | Standard |
| Austenitic Stainless Steel | certified* | 1.4404 | X2CrNiMo17-12-2 | S31603 | 316L | Standard |
| | 6Mo | 1.4547 | X 1CrNiMoCuN20-18-7 | S31254 | | Standard |
| Austenitic-Ferritic | Duplex | 1.4462 | X2CrNiMoN22-5-3 | S31803 | F51 | Standard |
| Stainless Steel | Superduplex | 1.4410 | X2CrNiMoN25.7.4 | S32750 | F53 | Standard |
| | Alloy 400 | 2.4360 | NiCu30Fe | N04400 | | Standard |
| Nickel Based | Alloy C-276 | 2.4819 | NiMo 16 Cr 15 W | N10276 | | Standard |
| Alloys | Alloy 625 | 2.4856 | NiCr22Mo9Nb | N06625 | | Standard |
| | Alloy 825 | 2.4858 | NiCr21Mo | N08825 | | Optional |
| Titanium | Titanium Grade 2 | 3.7035 | Ti-II | R50400 | | Optional |

Body Material Options

* Quadruple Certified means 316 / 316L / 1.4401 / 1.4404

Standard Features

- Bore Size 5 mm
- Manifolds are not supplied with plugs unless specified.
- Anti-Tamper Head Unit Options see Page 11.

Needle Seal:

PTFE and Graphite Packings are available for all valve types. Alternatively O-Ring stem seal and Bellows Sealed Head Units – see Page 6–10.

Sour Gas Service:

Wetted Parts according to a.m. material list are supplied as standard according to NACE MR0175/MR0103 and ISO 15156 (latest issue) – Standard Material only (see last column), except Titanium Grade 2.

Pressure Test:

A shell test and a seat leakage test are performed at 1.5 times the max. allowable (working) pressure acc. to EN 12266-1 – P10, P11 and P12 respectively MSS-SP61 at every standard AS-Schneider E Series Needle Valve / Manifold \rightarrow 100% Pressure Tested!

Certification:

Inspection Certificate 3.1 acc. to EN 10 204 for valve body material and pressure test available on request.

- The manifolds can be provided by default with a
- CRN Certificate
- \bullet EAC Certificate Manifolds are marked with EAC

Valves with Graphite Packings are Fire Safe Tested and Certified according to ISO 10497 and API 607.

Optional Features

- Soft Seated Needle Valves: Bore Size 6.35 mm (1/4")
- Bore Size 10 mm

Fugitive Emission Application:

For Fugitive Emission Applications AS-Schneider is providing bellows sealed valves with safety packing. Choice of Pressure class PN 100 or PN 250. The bellows are submitted to a 100% Helium leak test. The leak rate is 10^{-8} mbar I/s. Optional available are TA-Luft and ISO 15848 solutions. For more details see Pages 9 and 10.

Oxygen Service:

AS-Schneider offers an option with Reinforced PTFE Packing cleaned and lubricated for Oxygen Service:

Pressure-Temperature Rating:

Max. 420 bar (6,092 psi) @ 60°C (140°F) Max. 200°C (392°F) @ 90 bar (1,305 psi)

Not every Valve Type is available for Oxygen Service!

If you don't find your options in this catalogue, please contact the factory.

Standard Valve Head Units

Standard Bonnet Design

T Handle

Ergonomic Handle Design. Operating options are Anti-Tamper features or a Stainless Steel Handwheel.

Valve Stem

Stem with cold rolled threads for high strength and smooth operation.

Needle Seal

Standard: PTFE or Graphite Packing Options: O-Ring or Bellows Sealed

Needle

Non-rotating Needle for smooth operation and minimum wear of sealing elements.

Back Seat

Metal to Metal secondary needle seal and therefore the needle is anti-blowout / non-removable – For your safety.

Needle Tip

Choices of Needle Tip Materials such as Stellite, and Soft Tips like PCTFE and POM.

Valve Seat

Metal seated (integral type) and Soft seated \rightarrow See Page 7 and Catalogue AS-4302.



Color Coded Dust Cap

For operating thread protection:

| Isolate | |
|-----------|--|
| Vent/Test | |
| Equalize | |

| BLUE |
|-------|
| RED |
| GREEN |

Color Coded Options

Following options are also color coded below dust cap:

Oxygen Service Graphite Packing FKM O-ring Stem Seal with PCTFE Soft Tip TA-Luft Option



Lock Pin

Eliminates unauthorized removal of the bonnet assembly.

Bonnet

Metal to Metal Seal to Valve Body.

Traceability of Materials

All AS-Schneider E Series Valves and Manifolds have material traceability. A unique code is stamped on all valve bodies linking them with their material and chemical analysis certificates.

Flow Data

Needle Valves Standard Head Unit – Bore Size 5 mm



Standard Valve Head Units

Standard Needle Valves

Screwed Bonnet - Stem Seal: Packing

Features

- Integral Valve Seat Metal to Metal Seated
- Soft Tip PCTFE or POM optional
- Non-rotating Needle
- External Stem Thread Packing below stem threads. Stem Threads are protected from process media (non-wetted), helps to prevent stems from galling.
- Stem with cold rolled threads
- Blow-out proof Needle
- Back Seat Metal to metal secondary needle seal
- Lock Pin Eliminates unauthorized removal of the bonnet
- Color Coded Dust Cap for operating thread protection
- Standard Packing in PTFE and Graphite available
- Carbon filled PTFE Packing TA-Luft option
- Max. allowable (Working) Pressure (PS): 420 bar (6,092 psi)
- 689 bar (10,000 psi) optional
- Panel Mount Option available
- Anti-Tamper Valve Head Options available
- All non-wetted parts in 316 stainless steel



High Pressure Design 689 bar (10,000 psi) and 500 bar (7,252 psi)



Body-to-Bonnet Seal is below the threads eliminating process fluid corrosion.

Panel Mount Option

Graphite Packing



Color Coded Options



TA-Luft Option



| Components | Stainless Steel | | | | Exotic Alloys | | | | | | | | | | | |
|------------|-----------------|-------------------|-------------|--------------|---------------|-----------|-----|----------------|--|--|--|--|--|--|--|--|
| Components | | | | Material / N | 1aterial No. | | | | | | | | | | | |
| Body | | | | | | | | | | | | | | | | |
| Bonnet | 247 / 2471 | Alley 400 | | Durlau | | Allan (25 | (M- | | | | | | | | | |
| Needle | 316 / 316L | Alloy 400 | Alloy C-276 | Duplex | UNS \$32750 | Alloy 625 | 6Mo | Titanium Gr. 2 | | | | | | | | |
| Pipe Plug | | | | | | | | | | | | | | | | |
| Valve Stem | | 316 / 316L | | | | | | | | | | | | | | |
| Gland | | 316 / 316L 316 | | | | | | | | | | | | | | |
| Packing | | | | PTFE or | Graphite | | | | | | | | | | | |
| Stem Nut | | | | 3 | 16 | | | | | | | | | | | |
| Lock Nut | | | | 3 | 16 | | | | | | | | | | | |
| Set Screw | | | | 3 | 16 | | | | | | | | | | | |
| T Handle | | | | 3 | 16 | | | | | | | | | | | |
| Lock Pin | | | | A4 (| (316) | | | | | | | | | | | |

Wetted components listed in **bold**.

Standard Valve Head Units

Needle Valves according ASME B31.1 (Power Piping)

Screwed Bonnet – Stem Seal: Graphite Packing Meet the requirements of ASME B31.1 (Power Piping). A Locking Plate eliminates an unauthorized removal of the bonnet.

Features

- Integral Valve Seat Metal to Metal Seated
- Non-rotating Needle
- External Stem Thread Packing below stem threads. Stem Threads are protected from process media (non wetted), helps to prevent stems from galling.
- Stem with cold rolled threads
- Blow-out proof Needle
- Back Seat Metal to metal secondary needle seal
- Locking Plate Eliminates unauthorized removal of the bonnet
- Color Coded Dust Cap for operating thred protection
- Max. allowable (Working) Pressure (PS): 414 bar (6,000 psi)
- Anti-Tamper Valve Head Options available
- All non-wetted parts in 316 stainless steel

Needle Valves with O-Ring Stem Seal

Screwed Bonnet - O-Ring Stem Seal

Features

- Integral Valve Seat
- Non-rotating Needle
- External Stem Thread Packing below stem threads. Stem Threads are protected from process media (non-wetted), helps to prevent stems from galling.
- Stem with cold rolled threads
- Blow-out proof Needle
- Back Seat Metal to metal secondary needle seal
- Lock Pin Eliminates unauthorized removal of the bonnet
- · Color Coded Dust Cap for operating thread protection
- O-Ring FKM, optional EPDM
- Soft Tip PCTFE or POM
- Max. allowable (Working) Pressure (PS): 420 bar (6,092 psi)
- Panel Mount Option not available
- Anti-Tamper Valve Head Options available
- All non-wetted parts in 316 stainless steel







Color Coded Option FKM O-Ring Stem Seal with PCTFE Soft Tip

Needle Valves with OS&Y Bolted Bonnet

OS&Y Bolted Bonnet - Standard Packing

Features

- Integral Valve Seat Metal to Metal Seated
- Non-rotating Needle
- External Stem Thread Packing below stem threads. Stem Threads are protected from process media (non-wetted), helps to prevent stems from galling.
- Stem with cold rolled threads
- Blow-out proof Needle
- Spring Washers for compensation of thermal expansion
- Back Seat Metal to metal secondary needle seal
- Color Coded Dust Cap for operating thread protection
- Max. allowable (Working) Pressure (PS): 420 bar (6,092 psi)
- Anti-Tamper Valve Head Options available
- PTFE or Graphite Packing
- Bonnet Seal Ring: Graphite
- All non-wetted parts in 316 stainless steel



Pressure-Temperature Rating for Standard Valve Head Units acc. to Page 6 – 8



Above-mentioned Pressure-Temperature Rating is based on the standard material 316 stainless steel. Other materials as shown on page 4 and 6 might have different Pressure-Temperature Ratings.

Low-temperature Limits:

- Standard Valves with PTFE and Graphite Packing: -40°C (-40°F)
- Valves with PTFE Packing and Arctic Operations Option, Code K: -55°C (-67°F)
- Valves with FKM O-Ring Needle Seal: -20°C (-4°F)
- Carbon Steel ASTM A105: -29°C (20.2°F)

life of the valves.

Valves that have not been cycled for a period of time may have a higher initial actuation torque.

Packing adjustment may be required during the service

Valve Head Units for Fugitive Emission Applications

Needle Valves acc. to ISO 15848

Screwed Bonnet – Type 1 O-Ring Stem Seal + Graphite Packing Type 3 PTFE Packing

Features

- Integral Valve Seat Metal to Metal Seated
- Non-rotating Needle
- External Stem Thread Packing below stem threads. Stem Threads are protected from process media (non-wetted), helps to prevent stems from galling.
- Stem with cold rolled threads
- Back Seat Metal to metal secondary needle seal
- Color Coded Dust Cap for operating thread protection
- Max. allowable (Working) Pressure (PS): 420 bar (6,092 psi)
- Anti-Tamper Valve Head Options available
- FKM O-Ring Needle Seal RGD (Rapid Gas Decompression) resistant
- PTFE or Graphite Packing
- All non-wetted parts in 316 stainless steel
- Types also comply with the requirements of TA-Luft 2002

OS&Y Needle Valves acc. to ISO 15848

OS&Y Bolted Bonnet – Type 1 O-Ring Stem Seal + Graphite Packing Type 3 PTFE Packing

Features

- Integral Valve Seat Metal to Metal Seated
- Non-rotating Needle
- External Stem Thread Packing below stem threads. Stem Threads are protected from process media (non-wetted), helps to prevent stems from galling.
- Stem with cold rolled threads
- Blow-out proof Needle
- Spring Washers for compensation of thermal expansion
- Back Seat Metal to metal secondary stem seal
- Color Coded Dust Cap for operating thread protection
- Max. allowable (Working) Pressure (PS): 420 bar (6,092 psi)
- Anti-Tamper Valve Head Options available
- FKM O-Ring Stem Seal RGD (Rapid Gas
- Decompression) resistant
- PTFE or Graphite Packing
- Bonnet Seal Ring: Graphite
- All non-wetted parts in 316 stainless steel
- Types also comply with the requirements of TA-Luft 2002

ISO FE Performance Data

ISO FE Performance Data

Class A 1,500 cycles / -29°C to 40°C

Class A 500 cycles / -29°C to 200°C

Class B 1,500 cycles / -29°C to 200°C

Class B 1,500 cycles / -29°C to 200°C

(-20°F to 104°F)

(-20°F to 392°F)

(-20°F to 392°F)

(-20°F to 392°F)

ISO FE Type 1:

ISO FE Type 3:

Class A 2,500 cycles / -29°C to 40°C (-20°F to 104°F) Class A 500 cycles / -29°C to 200°C (-20°F to 392°F) Class B 2,500 cycles / -29°C to 200°C (-20°F to 392°F)

ISO FE Type 3: Class B 2,500 cycles / -29°C to 200°C (-20°F to 392°F)





Valve Head Units for Fugitive Emission Applications

Bellows Sealed Head Units

Screwed Bonnet – PN 100 and Graphite Safety Packing PN 250 and Graphite Safety Packing

Features

- Integral Valve Seat Metal to Metal Seated
- Non-rotating Stem
- Bellows sealed PN 100 and PN 250 incl. Graphite Safety Packing
- Stem with cold rolled threads
- Stellite Needle Tip as standard
- Bellows are submitted to a 100% Helium leak test
- Leak rate: 10⁻⁸ mbar l/s
- Valves for Oxygen Service on request

Bellows Sealed Head Units are mainly used for applications requiring the highest tightness class – such as toxic or vacuum service.



Packing adjustment may be required during the service life of the valves.



Valves that have not been cycled for a period of time may have a higher initial actuation torque.

When delivered ex factory, the safety packing of the bellows sealed valve is not fully tightened. In the event of a bellows failure the safety packing must be tightened in order to avoid fluid leakage.

Pressure-Temperature Rating

ISO FE Type 1 FKM O-Ring and Graphite Packing ISO FE Type 3 PTFE Packing



Pressure-Temperature Rating

Bellows PN 100Safety Packing GraphiteBellows PN 250Safety Packing Graphite



Above-mentioned Pressure-Temperature Rating is based on the standard material 316 stainless steel.

Other materials as shown on page 4 and 6 might have different Pressure-Temperature Ratings.

PN 100: 108 (4.25") open PN 250: 137 (5.39") open

Valve Head Unit Options

Anti-Tamper Valve Head Unit Options

AS-Schneider is providing 2 Anti-Tamper Valve Head Units, both types are lockable with a padlock.

Standard Anti-Tamper Head Unit

The valves are operated with a special Anti-Tamper Key (AT-Key), which fits exactly in the key guide. The valve can therefore only be operated with the AT-Key. In addition to this safety function, installing a padlock prevents the AT-Key being inserted into the key guide. Operating the valve is therefore no longer possible which protects your equipment against unauthorized opening and closing of the valve head units. The valve can be locked reliably in every position required.







Option Code T or R

Part Number ATK-ES

Incl. Padlock; Option Code U

'AT-Key Lock' Anti-Tamper Head Unit (Option Code Q)

'AT-Key Lock' valves are operated by a AT-Key which is an integral component of the valve. This Key can be extracted a little from the valve head unit which loosens the connection between the valve stem and the Key. In this extended position a padlock can now be hooked diagonally in the valve head unit which prevents the Key being inserted again. Operating the valve is therefore no longer possible which protects your equipment against unauthorised opening and closing of the valve. The valve can be locked reliably in every position required. This design offers you optimal security against unintentional and unauthorized operation of the valve. A color coded dust cap protects stem threads against ingress of dirt unauthorized opening and closing of the valve head units. The valve can be locked reliably in every position.

Stainless Steel Handwheel and 'Locking Plate' Design

The valves can be ordered optional with Stainless Steel Handwheel (Option Code W) and also with an additional fitted locking plate (Option Code J). For ordering the 'Locking Plate' Design incl. padlock you need to state J and U. This design allows minimum handle movements and is ideal as protection against unauthorised closing of the valve.



Connections

Connections

AS-Schneider is manufacturing a lot of different connections and connection combinations. In this catalogue we are showing the most popular types. On the next 2 pages you will find the standard connections in detail. If you don't find your option please contact us.

Designations used in the tables: Inlet = Process Connection I Outlet = Instrument / Transmitter Connection

Tube Fittings

Single Ferrule Tube Fittings acc. to EN ISO 8434-1 Size S



Twin Ferrule Tube Fittings



Tapered Pipe Threads

NPT Male Threads acc. to ASME B 1.20.1

BSP Tapered Thread acc. to ISO 7/1 (e.g. R 1/2)



NPT Female Threads acc. to ASME B 1.20.1

BSP Tapered Thread acc. to ISO 7/1 (e.g. Rc 1/2)



Parallel Pipe Threads

BSP Parallel Male Thread acc. to ISO 228 (e.g. G1/2) acc. to DIN 3852 acc. to EN 837-1

Weld Ends

Butt Weld Ends for Pipes and Tubes acc. to EN12627 / ASME B16.9



BSP Parallel Female Threads acc. to ISO 228 (e.g. G 1/2) acc. to DIN 3852-2 Form Z acc. to ISO 7/1 (e.g.) R 1/2 acc. to EN 837-1

Socket Weld Ends for Pipes and Tubes acc. to EN12760 / ASME B16.11



Pressure Gauge Connections -For Parallel Pipe Threads only

Swivel Male Connection

Swivel Nut (Wire Design)





Adjusting Nut acc. to DIN 16283

Swivel Nut (Welded Nipple Design) acc. to DIN 16284





AS-Schneider

Connections | DIN EN 61518 / IEC 61518

Flange Connections

According to DIN EN 61518 the manifold-transmitter interface is applicable for a max. allowable (Working) Pressure (PS) of 413 bar^{*3} (6,000 psi) and a max. allowable Temperature (TS) of 120° C (248° F) for liquids, gas or vapors. The max. allowable Temperature (TS) of 120° C (248° F) for liquids, gas or vapors. The max. allowable Temperature (TS) of 120° C (248° F) is considering the requirement that manifolds and transmitters need to be protected against heating by hot media. This can be achieved by using adequate hook-ups or by instrument impulse lines with sufficient length. However the AS-Schneider E Series Manifolds can be used for temperatures up to 550° C ($1,022^{\circ}$ F), PTFE up to 232° C (450° F), Graphite up to 550° C ($1,022^{\circ}$ F).

Flange Connections - Inlet Manifold respectively Transmitter Connection DIN EN 61518 / IEC 61518



¹⁾ Threaded option for transmitters – plug / vent valve

Flange Connections – Manifold to Transmitter DIN EN 61518 / IEC 61518 Type A and Type B



| | Co | nnection at the mar | nifold acc. to IEC 615 | 518 / DIN EN 615 | 18 ^{*1 *3} |
|---|--|---|--|--|--|
| | | Type A with spigo | ot | Type B w | ithout spigot |
| Max. allowable (Working) Pressure (PS) in bar (psi) | | 413 (6,000) ^{*3} | | 413 (| 6,000) ^{*3} |
| Temperature Range in °C (°F) | -10 to +80 (14 to 176) | -15 to +120 (5 to 248) | -40 to +120 (-40 to 248) | -10 to +80 (14 to 176) | -40 to +120 (-40 to 248) |
| Seal Ring ^{*2} | Flat Ring 24 x 17.7 x 2.7 Material: PTFE | O-Ring ISO 3601-1 20 x 2.65 S-FPM90 Material: FPM (FKM by ASTM) | Flat Ring 25.1 x 18 x 2.9 Material: Graphite | Flat Ring 25.4 × 20 × 2.7 Material: PTFE | Flat Ring 25.4 x 19.9 x 2.9 Material: Graphite |
| Min. Thread Engagement in mm | | 9 | | | 9 |

*1 DIN EN 61518 / IEC 61518 I Mating dimensions between pressure measuring instruments and flanged-on shut-off devices up to 413 bar (6,000 psi).

^{*2} Materials and temperature limits for the flat rings and the O-Rings are for reference only. It is the responsibility of the user to ensure compatibility between the selected gasket ring material and the process requirements, such as pressure, temperature, and chemical compatibility.

*3 IEC 61518 is stating 413 bar (6,000 psi), AS-Schneider however confirms 420 bar (6,092 psi).

Hand Valves

Hand Valves

AS-Schneider Hand Valves are available with a lot of options. We are showing on this page just the standard types. You find a lot more options on the next page – Ordering Information Hand Valves.

The dimensions shown apply only to the illustrated valves (1/2 NPT Threaded) – if you need the dimensions for your individual type or should you still not find your options at all please contact the factory.

Hand Valve Female x Female Threaded HAFF Type



Hand Valve with Integral Tube Fittings HATT Type



Hand Valve with OS&Y Bolted Bonnet HFFF Type



Hand Valve Male x Female Threaded HAMF Type





Hand Valve with Extended Body HXMF Type Extended by approx. 3"



Angle Hand Valve HLMF Type



Bore Size 10 mm: Depending on connection size Width = 1 1/4"

14 Hand Valves

Hand Valves

Ordering Information

| | ering information | | | | | | | | | | | | | | | | | | | |
|--------|---|---------|--|---------|--------------------------|---------|-----------|---|---------|---------|----------------------|-------|---|----|----|----|----|----|----|----|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | | | | | | 2 | 3 | 4 | _ | 0 | , | _ | | _ | | 12 | _ | _ | 15 | 10 |
| | | | | | н | A | т | т | S | A | - | R | 4 | R | 4 | - | М | S | _ | _ |
| н | Hand Valves | | | | | | | | | | | | | | | | | | | |
| - | Basic Design | | | | | | | | | | | | | | | | | | | |
| А | Screwed Bonnet | L | Angle Hand Valve (Screwed | Bonne | et) | | | | | | | | | | | | | | | |
| F | OS&Y Bonnet | х | Extended Body (Screwed Bon | | | | | | | | | | | | | | | | | |
| | Inlet | | | | | | | | | | | | | | | | | | | |
| M F | Male Female | B S | Butt Weld End Socket Weld End | | | | | | | | | | | | | | | | | |
| Т | Integral Tube Fitting | A | 1/2 NPT with Tube Fitting | | | | | | | | | | | | | | | | | |
| | Outlet | | | | | | | | | | | | | | | | | | | |
| M F | Male Female | B S | Butt Weld End Socket Weld End | | | | | | | | | | | | | | | | | |
| Т | Integral Tube Fitting | A | 1/2 NPT with Tube Fitting | | | | | | | | | | | | | | | | | |
| | Material | | | | | | | | | | | | | | | | | | | |
| S M | 1.4401 / 1.4404 / 316 / 316L Alloy 400 UNS N04400 | F | Duplex UNS S31803 Super Duplex UNS S32750 | B T | 6Mo UNS Titanium G | | | | | | | | | | | | | | | |
| н | Alloy C-276 UNS N10276 | v | Alloy 625 UNS N06625 | • | Theament C | hade 2 | | | | | | | | | | | | | | |
| | Bonnet | | | | | | | | | | | | | | | | | | | |
| A | PTFE | К | O-Ring FKM (FPM by ISO) | | | | | | | | | | | | | | | | | |
| B D | Graphite ISO FE Series Type 1 | W 2 | Carbon filled PTFE – TA-Luft Bellows sealed PN 100 | | | | | | | | | | | | | | | | | |
| E | ISO FE Series Type 3 | 4 | Bellows sealed PN 250 | | | | | | | | | | | | | | | | | |
| | Inlet | | | | | | | | | | | | | | | | | | | |
| N | Thread Type NPT | С | Fitting Type Single Ferrule Tube Fitting | 4 | Butt Weld 1/2" Pipe | End | | D | | et Weld | End be (Ø 12 | 2 mm) | | | | | | | | |
| н | BSP Parallel (G) – DIN 3852-2 | к | Twin Ferrule Tube Fitting | 6 | 3/4" Pipe | | | E | | | be (Ø 14 | |) | | | | | | | |
| R | BSP Taper (R/Rc) – ISO 7/1 | | | D E | 12 mm 14 mm | | | 2 | For 1/- | 4" Pipe | | | | | | | | | | |
| | Inch Sizes | | Tube Fitting Sizes | - | WallThick | more B. | utt Mold | А | Socke | t Weld | I | | | | | | | | | |
| 2 | 1/4 | 1 | 6 resp. 6S | Р | Schedule 8 | | itt vveiu | ^ | JUCKE | t vveiu | 1 | | | | | | | | | |
| 4 6 | 1/2 3/4 | 2 3 | 8 resp. 8S | Q 2 | Schedule 1 2.0 mm | 60 | | | | | | | | | | | | | | |
| 0 | 5/4 | 4 | 10 resp. 10S 12 resp. 12S | 8 | 2.6 mm | | | | | | | | | | | | | | | |
| | | 7 8 | 1/4" | Α | 3.2 mm | | | | | | | | | | | | | | | |
| | | ° 9 | 3/8" 1/2" | | | | | | | | | | | | | | | | | |
| | Outlet | | | | | | | | | | | | | | | | | | | |
| | Thread Type | 6 | Fitting Type | | Butt Weld | End | | - | | t Weld | | 2) | | | | | | | | |
| N H | NPT BSP Parallel (G) - DIN 3852 | С К | Single Ferrule Tube Fitting Twin Ferrule Tube Fitting | 4 6 | 1/2" Pipe 3/4" Pipe | | | D | | | oe (Ø 12 oe (Ø 14 | |) | | | | | | | |
| R | BSP Taper (R/Rc) - ISO 7/1 | | · · | D | 12 mm | | | 2 | For 1/ | 4" Pipe | | | | | | | | | | |
| | | | | E | 14 mm | | | | | | | | | | | | | | | |
| 2 | Inch Sizes | 1 | Tube Fitting Sizes 6 resp. 6S | Р | Wall Thick Schedule 8 | | itt Weld | A | Socke | t Weld | l | | | | | | | | | |
| 4 | 1/2 | 2 | 8 resp. 8S | Q | Schedule 1 | | | | | | | | | | | | | | | |
| 6 | 3/4 | 3 4 | 10 resp. 10S 12 resp. 12S | 2 8 | 2.0 mm 2.6 mm | | | | | | | | | | | | | | | |
| | | 7 | 1/4" | A | 3.2 mm | | | | | | | | | | | | | | | |
| | | 8 9 | 3/8" 1/2" | | | | | | | | | | | | | | | | | |
| | Options - Specify in alpha | | l order (digits first, then let | ters) | | | | | | | | | | | | | | | | |
| в | | | Service – For PTFE Packing only | | | | | | | | | | | | | | | | | |
| F G | PCTFE Soft Tip POM Soft Tip | | | | | | | | | | | | | | | | | | | |
| S | Stellite Valve Tip | | | | | | | | | | | | | | | | | | | |
| H P | | | ng I 7,252 psi (500 bar) for Grap | hite Pa | icking | | | | | | | | | | | | | | | |
| Р К | Power Piping ASME B31.1 – F Arctic Operations (-55°C (-6 | | | | | | | | | | | | | | | | | | | |
| M | Wetted Parts with 3.1 certified | | | | | | | | | | | | | | | | | | | |
| С | Panel Mounting | | | | | | | | | | | | | | | | | | | |
| J | Operation Options Stainless Steel Handwheel w | with Lo | ocking Plate Design | | | | | | | | | | | | | | | | | |
| Т | Anti-Tamper Bonnet (Key to | be ord | ered separately) | | | | | | | | | | | | | | | | | |
| R Q | Anti-Tamper Bonnet (1 Key s AT-Key Lock Bonnet Design | upplied | 1 per Valve/Manifold) | | | | | | | | | | | | | | | | | |
| U | Padlock for Anti-Tamper Bon | net / A | T-Key Lock Bonnet Design | | | | | | | | | | | | | | | | | |
| W | Stainless Steel Handwheel | | | | | 475/640 | | | | | | | | | | | | | | |

Wetted Parts according to above mentioned material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2. Note: Not every configuration which can be created in the ordering information is feasible / available.

Gauge Valves

Gauge Valves

AS-Schneider Gauge Valves are designed for mounting to Pressure Gauges, Pressure Transmitters and Pressure Switches. The standard types are equipped with a bleed screw. We are showing on this page just the standard types.

You find a lot more options on the next page – Ordering Information Gauge Valves. Accessories like Swivel Gauge Adaptors, Vent Valves etc. see Pages 48-53.

The dimensions shown apply only to the illustrated valves (1/2 NPT / G 1/2 Threaded) – if you need the dimensions for your individual type or should you still not find your options at all please contact the factory.

Gauge Valve Female x Female Threaded GSFF Type



Gauge Valve Male x Male Threaded GSMM Type



Gauge Valve Male x Female Threaded GAMF Type



Female Threaded Vent Connection - Pipe Plug installed

Gauge Valve Male x Female Threaded GSMF Type





Gauge Valve Male x Adjusting Nut GSMG Type





Gauge Valves

Ordering Information

| | | | | | 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | |
|------------------|--|-------------|--|-------------|-----------------------------|--------|--------|------------|--------|-------|---------|----------|--------|---|----|----|----|----|----|----|--|
| | | | | | C | 3 : | S | М | F | S | В | | Ν | 4 | Ν | 4 | - | М | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 6 | Gauge Valves | | | | | | | | | | | | | | | | | | | | |
| 5 | Vent Connection Bleed Screw | с | G 1/4 Female | | | | | | | | | | | | | | | | | | |
| 5 A B | 1/4 NPT Female 1/2 NPT Female | D | G 1/2 Female | | | | | | | | | | | | | | | | | | |
| | Inlet | | | | | | | | | | | | | | | | | | | | |
| 1 | Male | В | Butt Weld End | | | | | | | | | | | | | | | | | | |
| | Female Integral Tube Fitting | S A | Socket Weld End 1/2 NPT with Tube Fitting | | | | | | | | | | | | | | | | | | |
| | Outlet | | | | | | | | | | | | | | | | | | | | |
| | Male | G | Adjusting Nut (For Connect | ion Co | de G2, G4 | and M4 | 4 only | <i>י</i>) | | | | | | | | | | | | | |
| : | Female | D | Swivel Nut [Wire Design] (F | | | | - | | only) | | | | | | | | | | | | |
| | Material | | | | | | | | | | | | | | | | | | | | |
| S M H | 1.4401 / 1.4404 / 316 / 316L Alloy 400 UNS N04400 Alloy C-276 UNS N10276 | F D V | Duplex UNS S31803 Super Duplex UNS S32750 Alloy 625 UNS N06625 | B T | 6Mo UN Titaniun | | | | | | | | | | | | | | | | |
| | Bonnet | | | | | | | | | | | | | | | | | | | | |
| 4 | PTFE | К | O-Ring FKM (FPM by ISO) | | | | | | | | | | | | | | | | | | |
| 3) E | Graphite ISO FE Series Type 1 ISO FE Series Type 3 | W 2 4 | Carbon filled PTFE – TA-Luft Bellows sealed PN 100 Bellows sealed PN 250 | | | | | | | | | | | | | | | | | | |
| | Inlet | | | | | | | | | | | | | | | | | | | | |
| | Thread Type | | Fitting Type | | Butt W | eld En | d | | | Socke | t Weld | End | | | | | | | | | |
| 1 | NPT | C | Single Ferrule Tube Fitting | 4 | 1/2" Pip | | | | D E | | | oe (Ø 12 | | | | | | | | | |
| 5 + 2 1 | BSP Parallel (G) – EN 837-1 BSP Parallel (G) – DIN 3852 BSP Taper (R/Rc) – ISO 7/1 Metric similar to EN 837-1 | К | Twin Ferrule Tube Fitting | 6 D E | 3/4" Pipe 12 mm 14 mm | e | | | 2 | | 4" Pipe | be (Ø 14 | .25 mm | , | | | | | | | |
| | Inch Sizes | | Tube Fitting Sizes | | WallTh | | s But | t Weld | А | Socke | t Weld | | | | | | | | | | |
| 2 4 | 1/4 1/2 | 4 5 | 12 resp. 12S 14 resp. 14S | P Q | Schedule Schedule | | | | | | | | | | | | | | | | |
| 5 | 3/4 | 9 | 1/2" | 2 8 A | 2.0 mm 2.6 mm 3.2 mm | | | | | | | | | | | | | | | | |
| | Metric Size | | | | | | | | | | | | | | | | | | | | |
| 4 | M 20 × 1.5 | | | | | | | | | | | | | | | | | | | | |
| | Outlet | | | | | | | | | | | | | | | | | | | | |
| 12 | Male / Female Thread Sizes 1/4 NPT Female Thread only | G2 | Thread Sizes EN 837-1 - G 1/4 (1/4 BSP P) | Femal | e Threads | only | | | | | | | | | | | | | | | |
| 14 14 14 | 1/2 NPT R/Rc 1/2 – ISO 7/1 (1/2 BSPT) Female Thread only | G4 | G 1/2 (1/2 BSP P) M 20 x 1.5 | | | | | | | | | | | | | | | | | | |
| | Options - Specify in alphat | oetica | l order (digits first, then let | ters) | | | | | | | | | | | | | | | | | |
| 3 | Cleaned and Lubricated for O | xygen | Service – For PTFE Packing on | ly | | | | | | | | | | | | | | | | | |
| FG | PCTFE Soft Tip POM Soft Tip | | | | | | | | | | | | | | | | | | | | |
| 5 | Stellite Valve Tip | | | | | | | | | | | | | | | | | | | | |
| ł | 10,000 psi (689 bar) for PTFE | | • • • • | phite P | acking | | | | | | | | | | | | | | | | |
| о (| Power Piping ASME B31.1 - Fo Arctic Operations (-55°C (-67 | | • , | | | | | | | | | | | | | | | | | | |
| 1 | Wetted Parts with 3.1 certifica | | | | | | | | | | | | | | | | | | | | |
| | Panel Mounting | | | | | | | | | | | | | | | | | | | | |
| | Operation Options Stainless Steel Handwheel w | ithle | cking Plate Design | | | | | | | | | | | | | | | | | | |
| J T | Anti-Tamper Bonnet (Key to b | | | | | | | | | | | | | | | | | | | | |
| R | Anti-Tamper Bonnet (1 Key su | | | | | | | | | | | | | | | | | | | | |
| | AT-Key Lock Bonnet Design | | | | | | | | | | | | | | | | | | | | |
| 5 | Padlock for Anti-Tamper Bonn Stainless Steel Handwheel | et / AT | -Key Lock Bonnet Design | | | | | | | | | | | | | | | | | | |
| A 1 5 | otamicos occer i landimicei | | | | | | | | | | | | | | | | | | | | |
| | Accessory Kits | | | | | | | | | | | | | | | | | | | | |

Wetted Parts according to above mentioned material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2. Note: Not every configuration which can be created in the ordering information is feasible / available.

Multiport Gauge Valves

Multiport Gauge Valves

AS-Schneider Multiport Gauge Valves are designed for mounting to Pressure Gauges, Pressure Transmitters and Pressure Switches. The standard types are provided with 3 female outlet ports and are therefore suitable for vertical or horizontal installations.

Accessories like Pipe Plugs and Vent Valves can be ordered separately or already factory installed – see also options next page – Ordering Information Multiport Gauge Valves. Accessories like Swivel Gauge Adaptors, Vent Valves etc. see Pages 48-53.

The dimensions shown apply only to the illustrated valves (1/2 NPT Threaded) – if you need the dimensions for your individual type or should you still not find your options at all please contact the factory.

Multiport Gauge Valve – Screwed Bonnet MAMA Type







Multiport Gauge Valve with Extended Body MXBA Type Extended by approx. 3"



Ordering Information

| | • | | | | | | | | | | | | | | | | | | | |
|--------|---|--------------|---|--------|----------|-------|------|---|---|---|---|---|---|----|----|----|----|----|----|----|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | | | | i | М | А | В | В | S | А | - | 6 | Ρ | Ν | 4 | | S | | | |
| | | | | | | | | | | | | | | | | | | | | |
| М | Multiport Gauge Valves | | | | | | | | | | | | | | | | | | | |
| | Basic Design | | | | | | | | | | | | | | | | | | | |
| A F | Screwed Bonnet OS&Y Bonnet | | | | | | | | | | | | | | | | | | | |
| х | Extended Body (Screwed Bonner | t) | | | | | | | | | | | | | | | | | | |
| | Inlet | | | | | | | | | | | | | | | | | | | |
| M F | Male Female | B S | Butt Weld End Socket Weld End | | | | | | | | | | | | | | | | | |
| | Outlet | | | | | | | | | | | | | | | | | | | |
| A B | 3 x Female Outlet 1 – Female, Outlet 2 – | Pipe P | lug Outlet ? Vent Velve VS | | | | | | | | | | | | | | | | | |
| C D | Outlet 1 – Female, Outlet 2 – Outlet 1 – Female, Outlet 2 – Outlet 1 – Female, Outlet 2 and | Pipe Pl | lug, Outlet 3 – Vent Valve VT | | | | | | | | | | | | | | | | | |
| | Material | | | | | | | | | | | | | | | | | | | |
| S | 1.4401 / 1.4404 / 316 / 316L | F | Duplex UNS S31803 | В | 6Mo Ul | | | | | | | | | | | | | | | |
| M H | Alloy 400 UNS N04400 Alloy C-276 UNS N10276 | D V | Super Duplex UNS S32750 Alloy 625 UNS N06625 | т | Titaniur | m Gra | de 2 | | | | | | | | | | | | | |
| | Bonnet | | | | | | | | | | | | | | | | | | | |
| A B | PTFE Graphite | к W | O-Ring FKM (FPM by ISO) Carbon filled PTFE – TA-Luft | | | | | | | | | | | | | | | | | |
| D | ISO FE Series Type 1 | 2 | Bellows sealed PN 100 | | | | | | | | | | | | | | | | | |
| E | ISO FE Series Type 3 | 4 | Bellows sealed PN 250 | | | | | | | | | | | | | | | | | |
| | Inlet | | Butt Weld End | | | | | | | | | | | | | | | | | |
| N | Thread Type NPT | 4 | 1/2" Pipe | | | | | | | | | | | | | | | | | |
| н | BSP Parallel (G) – DIN 3852 | 6 | 3/4" Pipe | | | | | | | | | | | | | | | | | |
| 2 | Inch Sizes 1/4 | Р | Wall Thickness Butt Weld Schedule 80 | | | | | | | | | | | | | | | | | |
| 4 | 1/2 | Q | Schedule 160 | | | | | | | | | | | | | | | | | |
| 6 | 3/4 | 4 | 4.0 mm | | | | | | | | | | | | | | | | | |
| | Outlet | | | | | | | | | | | | | | | | | | | |
| N2 | Thread Sizes - Female Thre 1/4 NPT | ads or H4 | | | | | | | | | | | | | | | | | | |
| | 1/2 NPT | | | | | | | | | | | | | | | | | | | |
| | Options - Specify in alphabe | etical o | order (digits first, then letters) | | | | | | | | | | | | | | | | | |
| В | Cleaned and Lubricated for Oxy | ygen Se | ervice – For PTFE Packing only | | | | | | | | | | | | | | | | | |
| F G | PCTFE Soft Tip POM Soft Tip | | | | | | | | | | | | | | | | | | | |
| S | Stellite Valve Tip | | | | | | | | | | | | | | | | | | | |
| H P | | - | I 7,252 psi (500 bar) for Graphite P | acking | | | | | | | | | | | | | | | | |
| ĸ | Power Piping ASME B31.1 – For Arctic Operations (-55°C (-67°I | | | | | | | | | | | | | | | | | | | |
| М | Wetted Parts with 3.1 certificat | | - / | | | | | | | | | | | | | | | | | |
| | Operation Options Stainless Steel Handwheel wit | hloc | ring Plate Design | | | | | | | | | | | | | | | | | |
| J T | Anti-Tamper Bonnet (Key to be | | | | | | | | | | | | | | | | | | | |
| R | Anti-Tamper Bonnet (1 Key sup | | | | | | | | | | | | | | | | | | | |
| | AT-Key Lock Bonnet Design | | | | | | | | | | | | | | | | | | | |
| Q U | Padlock for Anti-Tamper Bonne | t / AT-K | Key Lock Bonnet Design | | | | | | | | | | | | | | | | | |

Wetted Parts according to above mentioned material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2. Note: Not every configuration which can be created in the ordering information is feasible / available.

Block & Bleed and Double Block & Bleed Manifolds

Block & Bleed and Double Block & Bleed Manifolds

AS-Schneider Block & Bleed and Double Block & Bleed Manifolds are designed for mounting to Pressure Gauges, Pressure Transmitters and Pressure Switches. The standard vent connection is 1/4 NPT female. Pipe plugs are not installed as standard. For plugged vent ports (factory installed) – see also options next page – Ordering Information Block & Bleed Manifolds. Accessories like Swivel Gauge Adaptors, Vent Valves etc. see Pages 48-53.

The dimensions shown apply only to the illustrated valves (1/2 NPT Threaded) – if you need the dimensions for your individual type or should you still not find your options at all please contact the factory.

Block & Bleed Manifolds - Female Threaded Instrument Connection

SAFF Type

SAMF Type



Double Block & Bleed Manifolds - Female Threaded Instrument Connection

CAFF Type

CAMF Type





Block & Bleed and Double Block & Bleed Manifolds

Ordering Information

| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | |
|--------|---|----------|--|---------|------------------------|---------|----------|---------|-----------|---------|------------------------|-------|---|----|----|----|----|----|----|---|
| | | | | | S | Α | Μ | F | Μ | А | - | Ν | 4 | Ν | 4 | - | 9 | Q | U | |
| | | | | | | | | | | | | | | | | | | | | 1 |
| | Block & Bleed Manifolds | | | | | | | | | | | | | | | | | | | |
| | Double Block & Bleed Ma | nifold | 5 | | | | | | | | | | | | | | | | | |
| | Vent Connection | | | | | | | | | | | | | | | | | | | |
| | 1/4 NPT Female 1/2 NPT Female | C D | G 1/4 Female G 1/2 Female | | | | | | | | | | | | | | | | | |
| | Inlet | U | G 1/2 Female | | | | | | | | | | | | | | | | | |
| 1 | Male | в | Butt Weld End | | | | | | | | | | | | | | | | | |
| | Female | S | Socket Weld End | | | | | | | | | | | | | | | | | |
| | Integral Tube Fitting | A | 1/2 NPT with Tube Fitting | | | | | | | | | | | | | | | | | |
| | Outlet | 6 | | | | | | | | | | | | | | | | | | |
| | Male Female | G D | Adjusting Nut (For Connect Swivel Nut [Wire Design] (F | | | | | t only) | | | | | | | | | | | | |
| | Material | | | | | | | | | | | | | | | | | | | |
| 5 | 1.4401 / 1.4404 / 316 / 316L | F | Duplex UNS S31803 | в | 6Mo UNS | \$31254 | | | | | | | | | | | | | | |
| 1 ł | Alloy 400 UNS N04400 Alloy C-276 UNS N10276 | D V | Super Duplex UNS S32750 Alloy 625 UNS N06625 | т | Titanium G | irade 2 | | | | | | | | | | | | | | |
| | Bonnet | | | | | | | | | | | | | | | | | | | |
| | PTFE | к | O-Ring FKM (FPM by ISO) | | | | | | | | | | | | | | | | | |
| | Graphite ISO FE Series Type 1 | 2 | Carbon filled PTFE – TA-Luft Bellows sealed PN 100 | | | | | | | | | | | | | | | | | |
| | ISO FE Series Type 3 | 4 | Bellows sealed PN 250 | | | | | | | | | | | | | | | | | |
| | Inlet | | | | | | | | | | | | | | | | | | | |
| | Thread Type NPT | с | Fitting Type Single Ferrule Tube Fitting | 4 | Butt Weld 1/2" Pipe | l End | | D | | et Weld | End be (Ø 12 | 2 mm) | | | | | | | | |
| | BSP Parallel (G) – EN 837-1 | к | Twin Ferrule Tube Fitting | 6 | 3/4" Pipe | | | E | | | be (Ø 12 be (Ø 14 | | | | | | | | | |
| | BSP Parallel (G) – DIN 3852 | | | DE | 12 mm 14 mm | | | 2 | For 1/4 | 4" Pipe | | | | | | | | | | |
| է 1 | BSP Taper (R/Rc) – ISO 7/1 Metric similar to EN 837-1 | | | - | 14 mm | | | | | | | | | | | | | | | |
| | Inch Sizes | | Tube Fitting Sizes | | Wall Thick | mess Bu | utt Weld | А | Socke | t Weld | | | | | | | | | | |
| | 1/4 1/2 | 4 5 | 12 resp. 12S | P Q | Schedule Schedule 1 | | | | | | | | | | | | | | | |
| • | 3/4 | 9 | 14 resp. 14S 1/2" | 2 | 2.0 mm | 00 | | | | | | | | | | | | | | |
| | | | | 8 A | 2.6 mm 3.2 mm | | | | | | | | | | | | | | | |
| | Metric Size | | | | | | | | | | | | | | | | | | | |
| | M 20 × 1.5 | | | | | | | | | | | | | | | | | | | |
| | Outlet | | | | | | | | | | | | | | | | | | | |
| 2 | Male / Female Thread Size 1/4 NPT Female Thread only | s | | G2 | Thread S G 1/4 (1/4 | | 837-1 - | Female | e I hread | s only | | | | | | | | | | |
| 4 | 1/2 NPT | | Thursdayah | G4 | | BSP P) | | | | | | | | | | | | | | |
| 4 | R/Rc 1/2 – ISO 7/1 (1/2 BSPT) I | | - - | M4 | M 20 x 1.5 | | | | | | | | | | | | | | | |
| 5 | | | I order (digits first, then let Service – For PTFE Packing on | | | | | | | | | | | | | | | | | |
| | PCTFE Soft Tip | ×7501 | | , | | | | | | | | | | | | | | | | |
| 1 | POM Soft Tip Stellite Valve Tip | | | | | | | | | | | | | | | | | | | |
| • | Vent Ports Plugged | | | | | | | | | | | | | | | | | | | |
| | 10,000 psi (689 bar) for PTFE Power Piping ASME B31.1 – Fe | | g I 7,252 psi (500 bar) for Gra phite Packing only | phite P | acking | | | | | | | | | | | | | | | |
| | Arctic Operations (-55°C (-67 | ′°F)) – | | | | | | | | | | | | | | | | | | |
| | Wetted Parts with 3.1 certific | ate | | | | | | | | | | | | | | | | | | |
| | Operation Options Stainless Steel Handwheel w | rith Lo | cking Plate Design | | | | | | | | | | | | | | | | | |
| • | Anti-Tamper Bonnet (Key to b | be ord | ered separately) | | | | | | | | | | | | | | | | | |
| 2 2 | Anti-Tamper Bonnet (1 Key su AT-Key Lock Bonnet Design | pplied | per Valve/Manifold) | | | | | | | | | | | | | | | | | |
| J | Padlock for Anti-Tamper Bonr | net / AT | -Key Lock Bonnet Design | | | | | | | | | | | | | | | | | |
| 1 | Stainless Steel Handwheel | | | | | | | | | | | | | | | | | | | |
| ′ | Accessory Kits | | | | | | | | | | | | | | | | | | | |

Wetted Parts according to above mentioned material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titani Note: Not every configuration which can be created in the ordering information is feasible / available.

L, Y & W-Shaped Manifolds

AS-Schneider L, Y & W-Shaped Manifolds are designed for mounting to Pressure Gauges, Pressure Transmitters and Pressure Switches. The standard vent connection is 1/4 NPT female. Pipe plugs are not installed as standard. For plugged vent ports (factory installed) – see also options Page 24 – Ordering Information L, Y & W-Shaped Manifolds. Accessories like Swivel Gauge Adaptors, Vent Valves etc. see Pages 48-53.

The dimensions shown apply only to the illustrated valves (1/2 NPT Threaded) – if you need the dimensions for your individual type or should you still not find your options at all please contact the factory.

L-Shaped Manifolds



Y-Shaped Manifolds



L, Y & W-Shaped Manifolds

W-Shaped Manifolds PWAA Type









L, Y & W-Shaped Manifolds

Ordering Information

| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|--------|--|---------|---|---------|-------------|----------|------------|-----------|-----------|-----------|----------|---------|---------|----|----|----|----|----|----|
| | | | | Ρ | L | А | В | S | А | - | Ν | 4 | G | 4 | - | A | М | S | |
| | | | | | | | | | | | | | | | | | | | |
| Р | L,Y & W-Shaped Manifolds | | | | | | | | | | | | | | | | | | |
| | Manifold Type | | | | | | | | | | | | | | | | | | |
| L | L-Shaped Bonnet Orientation | | | | | | | | | | | | | | | | | | |
| Y W | Y-Shaped Bonnet Orientation W-Shaped Bonnet Orientation \rightarrow I | Double | Block & Bleed Type | | | | | | | | | | | | | | | | |
| | Vent Connection | | | | | | | | | | | | | | | | | | |
| А | 1/4 NPT Female | F | 1/4 NPT with Tube Fitting 6 mm | | | | | | | | | | | | | | | | |
| В | 1/2 NPT Female – Only Type PL | G | 1/4 NPT with Tube Fitting 12 mm | | | | | | | | | | | | | | | | |
| C D | G 1/4 Female G 1/2 Female – Only Type PL | н Ј | G 1/4 with Tube Fitting 6 mm G 1/4 with Tube Fitting 12 mm | | | | | | | | | | | | | | | | |
| | | | Tube Fitting Brand see inlet/outlet | t | | | | | | | | | | | | | | | |
| | Inlet x Outlet Configuration | | | | | | | | | | | | | | | | | | |
| А | Female x Female | Е | G 1/2 with Tube Fitting x Female | | | | | | | | | | | | | | | | |
| B | Female x Swivel Nut | F | G 1/2 with Tube Fitting x Swivel N | lut | | | | | | | | | | | | | | | |
| С | 1/2 NPT with Tube Fitting x Female | | | | | | | | | | | | | | | | | | |
| D | 1/2 NPT with Tube Fitting x Swivel Nut | | | | | | | | | | | | | | | | | | |
| | Material | | | | | | | | | | | | | | | | | | |
| S | 1.4401 / 1.4404 / 316 / 316L | F | Duplex UNS S31803 B | 6M | o UNS S3 | 1254 | | | | | | | | | | | | | |
| М | Alloy 400 UNS N04400 | D | Super Duplex UNS S32750 T | | anium Gr | | | | | | | | | | | | | | |
| н | Alloy C-276 UNS N10276 | V | Alloy 625 UNS N06625 | | | | | | | | | | | | | | | | |
| | Bonnet | | | | | | | | | | | | | | | | | | |
| A B | PTFE Graphite | к W | O-Ring FKM (FPM by ISO) Carbon filled PTFE – TA-Luft | | | | | | | | | | | | | | | | |
| D | ISO FE Series Type 1 | 2 | Bellows sealed PN 100 | | | | | | | | | | | | | | | | |
| E | ISO FE Series Type 3 | 4 | Bellows sealed PN 250 | | | | | | | | | | | | | | | | |
| | Inlet | | | | | | | | | | | | | | | | | | |
| N | Thread Type NPT | с | Fitting Type Single Ferrule Tube Fitting | | | | | | | | | | | | | | | | |
| н | BSP Parallel (G) – DIN 3852 | к | Twin Ferrule Tube Fitting | | | | | | | | | | | | | | | | |
| | Thread Size | | Tube Fitting Sizes | | | | | | | | | | | | | | | | |
| 2 | 1/4 | 4 | 12 resp. 12S | | | | | | | | | | | | | | | | |
| 4 | 1/2 | 9 | 1/2" | | | | | | | | | | | | | | | | |
| _ | Outlet | | | | | | | | | | | | | | | | | | |
| N4 | Thread Type 1/2 NPT Female | | | | | | | | | | | | | | | | | | |
| G4 | G 1/2 Swivel Nut | | | | | | | | | | | | | | | | | | |
| M4 | M 20 x 1.5 Swivel Nut | | | | | | | | | | | | | | | | | | |
| | Options - Specify in alphabetic | | | | | | | | | | | | | | | | | | |
| B F | Cleaned and Lubricated for Oxyge PCTFE Soft Tip | n Serv | ice – For PTFE Packing only | | | | | | | | | | | | | | | | |
| G | POM Soft Tip | | | | | | | | | | | | | | | | | | |
| S A | Stellite Valve Tip Vent Ports Plugged | | | | | | | | | | | | | | | | | | |
| н | 10,000 psi (689 bar) for PTFE Pack | ing I 7 | ,252 psi (500 bar) for Graphite Pack | ing | | | | | | | | | | | | | | | |
| P K | Power Piping ASME B31.1 – For Gr Arctic Operations (-55°C (-67°F)) | | u , | | | | | | | | | | | | | | | | |
| M | Wetted Parts with 3.1 certificate | - FOF I | THE FACKING ONLY | | | | | | | | | | | | | | | | |
| | Operation Options | | | | | | | | | | | | | | | | | | |
| J | Stainless Steel Handwheel with L | | | | | | | | | | | | | | | | | | |
| T R | Anti-Tamper Bonnet (Key to be or Anti-Tamper Bonnet (1 Key supplie | | | | | | | | | | | | | | | | | | |
| Q | AT-Key Lock Bonnet Design | | | | | | | | | | | | | | | | | | |
| U W | Padlock for Anti-Tamper Bonnet / Stainless Steel Handwheel | AT-Key | Lock Bonnet Design | | | | | | | | | | | | | | | | |
| | Accessory Kits | | | | | | | | | | | | | | | | | | |
| 8 | SST Mounting Bracket AKM-R Type | e for 2 | " Pipe Mounting supplied separately | – For V | /ertical In | npulse P | iping Inst | allations | | | | | | | | | | | |
| Wette | Parts according to above mentione | d mate | erial list are supplied according to N | IACE M | 1R0175/M | IR0103 a | and ISO | 15156 (la | atest iss | ue) - exc | ept Tita | inium G | irade 2 | | | | | | |

Wetted Parts according to above mentioned material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2. Note: Not every configuration which can be created in the ordering information is feasible / available.

Remote Mounted Manifolds

Remote Mounted Manifolds (2, 3 and 5 Valve Manifolds)

AS-Schneider Remote Mounted Manifolds are designed for remote installation from Pressure Instruments and Differential Pressure Transmitters. The standard vent connection is 1/4 NPT female. Pipe plugs are not installed as standard to 2 and 5 Valve Manifolds. For plugged vent ports (factory installed) - see also options Page 27 – Ordering Information Remote Mounted Manifolds. The standard type of 3 Valve Manifolds is the one without vent connection. The 3 Valve Manifolds with vent connection are supplied with installed pipe plugs as standard. Accessories like Mounting Brackets, Swivel Gauge Adaptors, Pipe Plugs etc. see also Pages 48-53.

The dimensions shown apply only to the illustrated valves (1/2 NPT Threaded) – if you need the dimensions for your individual type or should you still not find your options at all please contact the factory.

2 Valve Manifolds, Remote Mounted R2AA Type





3 Valve Manifolds, Remote Mounted without Vent Connection R3AA Type









Remote Mounted Manifolds



3 Valve Manifolds, Remote Mounted with Vent Connection 1/4 NPT Female R3BA Type

AKM-R Type Mounting Bracket not suitable.

5 Valve Manifolds, Remote Mounted R5AA Type



Vent Ports on Process Side R5GA Type









Remote Mounted Manifolds

Ordering Information

| | | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|-----------------------|--|-----------------------------|---|------------|--------|-------|--------|------|---|---|---|---|---|---|----|----|----|----|----|----|----|
| | | | | | | R | 3 | В | С | н | A | - | S | 9 | S | 9 | - | R | U | | - |
| R | Remote Mounted Manifolds | | | | | | | | | | | | | | | | | | | | |
| | Quantity Bonnets - 2, 3 or 5 | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| A | Vent Connection Standard – 2 Valve / 5 Valve Man | ifold w | ith Vent Ports 1/4 NPT F | emale, | | | | | | | | | | | | | | | | | |
| в | 3 Valve Manifold without Vent Vent Ports 1/4 NPT Female – Fo | Port | | | | | | | | | | | | | | | | | | | |
| G | Vent Ports 1/4 NPT on Proces | | | | | | | | | | | | | | | | | | | | |
| | Inlet and Outlet | | | | | | | | | | | | | | | | | | | | |
| А | Female Connections | | | | | | | | | | | | | | | | | | | | |
| B C | 1/4 NPT with Tube Fittings 1/2 NPT with Tube Fittings | | | | | | | | | | | | | | | | | | | | |
| C | Material | | | | | | | | | | | | | | | | | | | | |
| S | 1.4401 / 1.4404 / 316 / 316L | F | Duplex UNS S31803 | | В | 6Mo I | JNS S3 | 1254 | | | | | | | | | | | | | |
| М | Alloy 400 UNS N04400 | D | Super Duplex UNS S3 | | т | | um Gra | | | | | | | | | | | | | | |
| н | Alloy C-276 UNS N10276 | ۷ | Alloy 625 UNS N0662 | .5 | | | | | | | | | | | | | | | | | |
| | Bonnet | | | | | | | | | | | | | | | | | | | | |
| A B | PTFE Graphite | к W | O-Ring FKM (FPM by I Carbon filled PTFE – T | | | | | | | | | | | | | | | | | | |
| D | ISO FE Series Type 1 | 2 | Bellows sealed PN 100 | | | | | | | | | | | | | | | | | | |
| E | ISO FE Series Type 3 | 4 | Bellows sealed PN 250 |) | | | | | | | | | | | | | | | | | |
| | Inlet | | | | | | | | | | | | | | | | | | | | |
| N | Thread Type NPT | с | Fitting Type Single Ferrule Tube Fit | ting | | | | | | | | | | | | | | | | | |
| | | к | Twin Ferrule Tube Fitti | - | | | | | | | | | | | | | | | | | |
| | Thread Size | | Tube Fitting Sizes | | | | | | | | | | | | | | | | | | |
| 2 4 | 1/4 1/2 | 4 9 | 12 resp. 12S 1/2" | | | | | | | | | | | | | | | | | | |
| | Outlet | , | | | | | | | | | | | | | | | | | | | |
| | Thread Type | | Fitting Type | | | | | | | | | | | | | | | | | | |
| N | NPT | С | Single Ferrule Tube Fit | ting | | | | | | | | | | | | | | | | | |
| | | К | Twin Ferrule Tube Fitt | ng | | | | | | | | | | | | | | | | | |
| 2 | Thread Size | | Tube Fitting Sizes | | | | | | | | | | | | | | | | | | |
| 2 4 | 1/4 1/2 | 4 9 | 12 resp. 12S 1/2" | | | | | | | | | | | | | | | | | | |
| | Options - Specify in alphabe | etical o | order (digits first, the | n letters) | | | | | | | | | | | | | | | | | |
| в | Cleaned and Lubricated for Oxy | ygen Se | ervice – For PTFE Packin | g only | | | | | | | | | | | | | | | | | |
| F | PCTFE Soft Tip | | | | | | | | | | | | | | | | | | | | |
| G | POM Soft Tip Stellite Valve Tip | | | | | | | | | | | | | | | | | | | | |
| S | Vent Ports Plugged | | | | | | | | | | | | | | | | | | | | |
| S A | 10,000 psi (689 bar) for PTFE Pa | - | | Graphite P | acking | | | | | | | | | | | | | | | | |
| A H | D D: . ACME D34.4 E | Graph | or PTFE Packing only | | | | | | | | | | | | | | | | | | |
| A H P | Power Piping ASME B31.1 – For Arctic Operations (-55°C (-67°F | | | | | | | | | | | | | | | | | | | | |
| A H | Power Piping ASME B31.1 – For Arctic Operations (-55°C (-67°F Wetted Parts with 3.1 certificat | | | | | | | | | | | | | | | | | | | | |
| A H P K | Arctic Operations (-55°C (-67°F Wetted Parts with 3.1 certificat Operation Options | e | | | | | | | | | | | | | | | | | | | |
| A H P K M | Arctic Operations (-55°C (-67°F Wetted Parts with 3.1 certificat Operation Options Stainless Steel Handwheel wit | e h Lock | ing Plate Design | | | | | | | | | | | | | | | | | | |
| A H K M | Arctic Operations (-55°C (-67°F Wetted Parts with 3.1 certificat Operation Options Stainless Steel Handwheel wit Anti-Tamper Bonnet (Key to be | e h Lock ordere | ing Plate Design ed separately) | | | | | | | | | | | | | | | | | | |
| A H P K M | Arctic Operations (-55°C (-67°F Wetted Parts with 3.1 certificat Operation Options Stainless Steel Handwheel wit | e h Lock ordere | ing Plate Design ed separately) | | | | | | | | | | | | | | | | | | |
| A H P K M | Arctic Operations (-55°C (-67°F Wetted Parts with 3.1 certificat Operation Options Stainless Steel Handwheel wit Anti-Tamper Bonnet (Key to be Anti-Tamper Bonnet (1 Key sup | h Lock ordere plied p | ting Plate Design ed separately) er Valve/Manifold) | | | | | | | | | | | | | | | | | | |

8 SST Mounting Bracket AKM-R Type for 2" Pipe Mounting supplied separately – For Vertical Impulse Piping Installations

Wetted Parts according to a.m. material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2. Note: Not every configuration which can be created in the ordering information is feasible / available.

Direct Mount Manifolds (2, 3 and 5 Valve Manifolds)

AS-Schneider Direct Mount Manifolds are designed for direct mounting to Pressure and Differential Pressure Transmitters – either Transmitters with standard flange connection in accordance with DIN EN 61518 / IEC 61518 or alternatively to Rosemount 2051/3051 Coplanar[™] Pressure Transmitters. The standard vent connection is 1/4 NPT female. Pipe plugs are not installed as standard to 2 and 5 Valve Manifolds. For plugged vent ports (factory installed) and other options see Page 33, 37 and 40 – Ordering Information Direct Mount Manifolds.

The standard type of 3 Valve Manifolds is the one without vent connection. 3 Valve Manifolds with vent connection are supplied with installed pipe plugs as standard. Integral Style 3 Valve Manifolds with CoplanarTM flange connection are provided with vent connections 1/4 NPT female as standard – plugged with vent valves type VS.

We differentiate between Wafer Style Manifolds (see Page 28-33) and Traditional Style Manifolds (see Page 34-37), the Wafer Type for the Rosemount 2051/3051 Coplanar[™] Pressure Transmitter is just called Coplanar[™] Style Manifold. You will find the Integral Manifolds for 2051/3051 Coplanar[™] Pressure Transmitters on Page 38-40. Accessories like Swivel Gauge Adaptors, Vent Valves etc. see Pages 48-53.

The dimensions shown apply only to the illustrated values (1/2 NPT Threaded / Flange Interface DIN EN 61518) – if you need the dimensions for your individual type or should you still not find your options at all please contact the factory.

Wafer Style Manifolds

2 Valve Manifolds - Standard

W2AA Type







2 Valve Manifolds – L-Shaped Bonnet Orientation W2LA Type



3 Valve Manifolds – Standard (Female x Flanged) Without Vent Connection W3AA Type With Vent Connection W3BA Type



31.2 (1.23")





3 Valve Manifolds – Standard (Flanged x Flanged) Without Vent Connection W3AB Type With Vent Connection W3BB Type



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Service Portal // Digital Valve Plate

Direct Mount Manifolds - Wafer Style 29

3 Valve Manifolds – Compact Design (Female x Flanged) Without Vent Connection W3CA Type With Vent Connection 1/4 NPT Female W3DA Type









3 Valve Manifolds – Bottom Inlet Design (Female x Flanged) W3EA Type



For Bottom Inlet Design only





Mounting Bracket AKM-U Type See also Page 49.

For Compact Design

Mounting Bracket AKM-D Type See also Page 48.

30 Direct Mount Manifolds - Wafer Style

Service Portal // Digital Valve Plate

5 Valve Manifolds – Standard (Female x Flanged IEC 61518-A) W5AA Type





5 Valve Manifolds – Female x Flanged IEC 61518-B W5AA Type



5 Valve Manifolds – Female x Flanged Vent Ports on Bottom Face





Illustrated type with IEC 61518-A connection $\!\!\!^*$

* Other dimensions same as W5AA Type



Illustrated type with IEC 61518-B connection* Only suitable for AKM-U type Mounting Bracket



5 Valve Manifolds – Compact Design (Female x Flanged) W5CA Type



5 Valve Manifolds – Bottom Inlet Design (Female x Flanged) W5EA Type



For Bottom Inlet Design only

For Compact Design



Ordering Information

| | | | | | w | 2 | A | A | 5 S | 6 B | 8 N | 9 4 | 10 T | 11 E | - 12 | 13 A | 14 P | 15 S | |
|--------------------------------------|---|-----------------------------------|--|----------|----------|--------------------|-----------|---------|--------|----------|--------|--------|---------|---------|------|---------|---------|---------|---|
| | | | | | | - | | | | | | | | - | | | | | ī |
| N | Wafer Style Manifolds | | | | | | | | | | | | | | | | | | |
| | Quantity Bonnets - 2-5 | | | | | | | | | | | | | | | | | | |
| | Manifold Specifics | | | | | | | | | | | | | | | | | | |
| A B C D E G L | Standard – 2 Valve / 5 Valve Manifo Vent Ports 1/4 NPT Female Plugge Compact Design – 5 Valve Manifo Compact Design – 3 Valve Manif Bottom Inlet Design Vent Ports on Bottom Face of th L-Shaped Bonnet Orientation | ed – For Id with \ old witl | r 3 Valve Manifolds only*2 /ent Ports 1/4 NPT Female, 3 Val h Vent Port 1/4 NPT Female | | | | | | | | | | | | | | | | |
| | Inlet | | | | | | | | | | | | | | | | | | |
| A B C D | Female Flanged 1/2 NPT with Tube Fittings G 1/2 with Tube Fittings | | | | | | | | | | | | | | | | | | |
| | Material | | | | | | | | | | | | | | | | | | |
| S M H | 1.4401 / 1.4404 / 316 / 316L Alloy 400 UNS N04400 Alloy C-276 UNS N10276 | F D V | Duplex UNS \$31803 Super Duplex UNS \$32750 Alloy 625 UNS N06625 | B T | | UNS S31 ium Gra | | | | | | | | | | | | | |
| | Bonnet | | | | | | | | | | | | | | | | | | |
| A B D E | PTFE Graphite ISO FE Series Type 1 ISO FE Series Type 3 | | | | | | | | | | | | | | | | | | |
| | Inlet | | | | | | | | | | | | | | | | | | |
| | Thread Type | | Fitting Type | | _ | - | e Interf | | | | | | | | | | | | |
| 4 | NPT BSP Parallel (G) – DIN 3852 | с к | Single Ferrule Tube Fitting Twin Ferrule Tube Fitting | | т | Flange | Interface | 2 | | | | | | | | | | | |
| | Thread Size | | Tube Fitting Sizes | | | - | e Interf | | | | | | | | | | | | |
| 2 4 | 1/4 1/2 | 4 5 9 | 12 resp. 12S 14 resp. 14S | | 4 | EN 61: | 18 with | out 1/4 | NPI | | | | | | | | | | |
| | Outlet | , | 1/2" | | | | | | | | | | | | | | | | |
| D E | Transmitter Interface DIN EN 61518-A DIN EN 61518-B | | | | | | | | | | | | | | | | | | |
| | Options - Specify in alphabet | ical ord | der (digits first, then letters) | | | | | | | | | | | | | | | | |
| B F G S A P K M | Cleaned and Lubricated for Oxyg PCTFE Soft Tip POM Soft Tip Stellite Valve Tip Vent Ports Plugged ^{#2} Power Piping ASME B31.1 – For C Arctic Operations (-55°C (-67°F) Wetted Parts with 3.1 certificate | Graphite | Packing only | | | | | | | | | | | | | | | | |
| | Operation Options | | | | | | | | | | | | | | | | | | |
| J T | Stainless Steel Handwheel with Anti-Tamper Bonnet (Key to be o | | • • | | | | | | | | | | | | | | | | |
| R Q | Anti-Tamper Bonnet (1 Key suppl | | | | | | | | | | | | | | | | | | |
| y V | Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design | | | | | | | | | | | | | | | | | | |
| 1 | Standard Accessory Kits for I Hex Cap Screw 7/16-20 UNF, B | olt Len | gth 1 3/4", C.S., PTFE Seal Rin | gs | - | | | | | | | | | | | | | | |
| 2 3 4 | Hex Cap Screw 7/16-20 UNF, B Hex Cap Screw 7/16-20 UNF, B Hex Cap Screw 7/16-20 UNF, B | olt Len | gth 1 3/4", C.S., Graphite Seal | Rings | | | | | | | - | | | | | | | | |
| 3 | Mounting Bracket Kits CST Mounting Bracket AKM-D Ty SST Mounting Bracket AKM-B, SST Mounting Bracket AKM-U | or -D 1 | Type for 2" Pipe Mounting supp | olied se | parately | y – For V | Vertical | Impulse | Piping | Installa | | 1 | | | | | | | |
| | want Bracket Type see Pages 28-32 W3B Types Option A is not releval | nt becau | | | | | | | | | | | | | | | | | |

Wetted Parts according to a.m.material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2. Note: Note every configuration which can be created in the ordering information is feasible / available.

Direct Mount Manifolds - Traditional Style

Traditional Style Manifolds

2 Valve Manifolds – Female x Flanged T2A Type







2 Valve Manifolds – Flanged x Flanged H2A Type







Direct Mount Manifolds - Traditional Style

3 Valve Manifolds – Without Vent Connection

T3A Type – Female x Flanged





H3A Type – Flanged x Flanged



3 Valve Manifolds – With Vent Connection T3B Type – Female x Flanged



H3B Type – Flanged x Flanged



Direct Mount Manifolds - Traditional Style

5 Valve Manifolds – Female x Flanged T5A Type







5 Valve Manifolds – Flanged x Flanged H5A Type





5 Valve Manifolds with Natural Gas Metering Pattern T5N Type



H5N Туре





Mounting Bracket AKM-U Type See also Page 49.
Direct Mount Manifolds - Traditional Style

Ordering Information

| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | |
|--------------------------------------|---|--|--|------------------------------|------------------------------------|--|----------|--------|--------|----|---------|---|-----------|----|----|----|----|----|----|--|
| | | | | | н | 3 | В | В | S | А | - | Ν | 4 | Т | Е | - | В | R | | |
| | | | | | | | | | | | | | | | | | | | | |
| | H-Style Manifolds | | | | | | | | | | | | | | | | | | | |
| • | T-Style Manifolds | | | | | | | | | | | | | | | | | | | |
| | Quantity Bonnets - 2-5 | | | | | | | | | | | | | | | | | | | |
| | Manifold Specifics | | | | | | | | | | | | | | | | | | | |
| 4 | Standard – 2 Valve / 5 Valve Man | ifold wit | th Vent Ports 1/4 NPT Female, 3 | Valve N | 1anifold v | without Ve | ent Port | | | | | | | | | | | | | |
| 3 | Vent Ports 1/4 NPT Female Pl Natural Gas Metering Patter | | | | | | | | | | | | | | | | | | | |
| | Inlet | | | | | | | | | | | | | | | | | | | |
| 4 | Female – For T-Style Manifolds | | | | | | | | | | | | | | | | | | | |
| 3 | Flanged – For H-Style Manifol 1/2 NPT with Tube Fittings – F | | vle Manifolds only | | | | | | | | | | | | | | | | | |
| - | | 01 1-50 | | | | | | | | | | | | | | | | | | |
| | Material | | | | | | | | | | | | | | | | | | | |
| S M | 1.4401 / 1.4404 / 316 / 316L Alloy 400 UNS N04400 | F D | Duplex UNS S31803 Super Duplex UNS S32750 | B | | o UNS S3 nium Gra | | | | | | | | | | | | | | |
| - | Alloy C-276 UNS N10276 | v | Alloy 625 UNS N06625 | | Treat | | | | | | | | | | | | | | | |
| | Bonnet | | | | | | | | | | | | | | | | | | | |
| Ą | PTFE | К | O-Ring FKM (FPM by ISO) | | | | | | | | | | | | | | | | | |
| B | Graphite | W | Carbon filled PTFE – TA-Luft | : | | | | | | | | | | | | | | | | |
| D | ISO FE Series Type 1 | 2 | Bellows sealed PN 100 | | | | | | | | | | | | | | | | | |
| E | ISO FE Series Type 3 | 4 | Bellows sealed PN 250 | | | | | | | | | | | | | | | | | |
| | Inlet | | | | | | | | | | | | | | | | | | | |
| | Thread Type | | Fitting Type | | | - | e Interf | | | | | | | | | | | | | |
| N | NPT | С К | Single Ferrule Tube Fitting Twin Ferrule Tube Fitting | | т | Flange | Interfac | e | | | | | | | | | | | | |
| | Thread Size | | Tube Fitting Sizes | | | Flang | e Interf | face | | | | | | | | | | | | |
| 4 | 1/2 | 4 | 12 resp. 12S | | 4 | EN 61 | 518 | | | | | | | | | | | | | |
| | | 5 9 | 14 resp. 14S 1/2" | | | | | | | | | | | | | | | | | |
| | Outlet | | | | | | | | | | | | | | | | | | | |
| | Transmitter Interface | | | | | | | | | | | | | | | | | | | |
| D E | DIN EN 61518-A DIN EN 61518-B | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | order (digits first, then let | | | | | | | | | | | | | | | | | |
| B F | Cleaned and Lubricated for C PCTFE Soft Tip | oxygen S | Service – For PTFE Packing on | ly | | | | | | | | | | | | | | | | |
| G | POM Soft Tip | | | | | | | | | | | | | | | | | | | |
| S | Stellite Valve Tip | | | | | | | | | | | | | | | | | | | |
| A P | Vent Ports Plugged*2 | | hito Packin- arts | | | | | | | | | | | | | | | | | |
| г К | Power Piping ASME B31.1 – Fe Arctic Operations (-55°C (-67 | | | | | | | | | | | | | | | | | | | |
| м | Wetted Parts with 3.1 certific | | U , | | | | | | | | | | | | | | | | | |
| | Operation Options | | | | | | | | | | | | | | | | | | | |
| 100 | Stainless Steel Handwheel w | | | | | | | | | | | | | | | | | | | |
| | Anti-Tamper Bonnet (Key to b Anti-Tamper Bonnet (1 Key su | | | | | | | | | | | | | | | | | | | |
| г | AT-Key Lock Bonnet Design | | . , | | | | | | | | | | | | | | | | | |
| त २ | | net / AT- | Key Lock Bonnet Design | | | | | | | | | | | | | | | | | |
| T Q Q | | | | | | | | | | | | | | | | | | | | |
| T R Q J | Stainless Steel Handwheel | | mold to Iransmitter moun | - | | - | N EN 61 | 1518/1 | EC 615 | 18 | | | | | | | | | | |
| T R Q U | Stainless Steel Handwheel Standard Accessory Kits fe | | | S PTC | | ung 3 | | | | | | | | | | | | | | |
| T R Q U V | Stainless Steel Handwheel Standard Accessory Kits for Hex Cap Screw 7/16-20 UN | F, Bolt | Length 1" and Washer in C.S Length 1" and Washer in S.S | | | - | | | | | | | | | | | | | | |
| J T Q U W 1 2 3 | Stainless Steel Handwheel Standard Accessory Kits fr Hex Cap Screw 7/16-20 UN Hex Cap Screw 7/16-20 UN Hex Cap Screw 7/16-20 UN | F, Bolt F, Bolt F, Bolt | Length 1" and Washer in C.S Length 1" and Washer in S.S Length 1" and Washer in C.S | ., PTF 6., Gra | E Seal Ri phite Se | ings*3 eal Rings | | | | | | | | | | | | | | |
| T R Q U V 1 2 3 | Stainless Steel Handwheel Standard Accessory Kits fr Hex Cap Screw 7/16-20 UN Hex Cap Screw 7/16-20 UN Hex Cap Screw 7/16-20 UN | F, Bolt F, Bolt F, Bolt | Length 1" and Washer in C.S Length 1" and Washer in S.S | ., PTF 6., Gra | E Seal Ri phite Se | ings*3 eal Rings | | | | | | | | | | | | | | |
| T Q U // | Stainless Steel Handwheel Standard Accessory Kits fr Hex Cap Screw 7/16-20 UN Hex Cap Screw 7/16-20 UN Hex Cap Screw 7/16-20 UN | F, Bolt F, Bolt F, Bolt F, Bolt | Length 1" and Washer in C.S Length 1" and Washer in S.S Length 1" and Washer in C.S Length 1" and Washer in S.S | ., PTF S., Gra ., Graj | E Seal Ri phite Se phite Sea | ings ^{*3} eal Rings al Rings* | 3 | 1 134 | | | D:- : 1 | | ي. مور | | | | | | | |

^{*3} Bolt Material S.S. = 316 Stainless Steel I ASTM A193 B8M Class 2

Wetted Parts according to a.m. material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2. Note: Not every configuration which can be created in the ordering information is feasible / available.

Direct Mount Manifolds - Integral Style

Integral Manifolds for Rosemount 2051/3051 Coplanar[™] Pressure Transmitters

Coplanar[™] Style Manifolds

2 Valve Integral Manifolds W2RA Type

115 (4.53") open



3 Valve Integral Manifolds W3RA Type Supplied as standard with vent valves – fitted



5 Valve Integral Manifolds W5RA Type







Direct Mount Manifolds - Integral Style

Traditional Style Integral Manifolds

Inlet with Flange Interface DIN EN 61518 / IEC 61518 and 1/4 NPT female only.

2 Valve Integral Manifolds

Н2ТВ Туре







3 Valve Integral Manifolds H3TB Type Supplied as standard with vent valves – fitted





5 Valve Integral Manifolds H5TB Type









Direct Mount Manifolds - Integral Style

Ordering Information

| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|-------------|--|--------------------|--|---------|----------|-------------------|-----------|-----------|------------|-----------|-------------|----------|---------|----|----|----|----|----|----|----|
| | | | | | W | 3 | R | А | S | A | - | N | 4 | Т | F | - | Μ | S | т | |
| | | | | | | | | | | | | | | | | | | | | |
| w | Coplanar [™] Style Manifold | ds | | | | | | | | | | | | | | | | | | |
| н | Traditional Style Integral | Mani | folds | | | | | | | | | | | | | | | | | |
| | Quantity Bonnets - 2-5 | | | | | | | | | | | | | | | | | | | |
| | Manifold Specifics | | | | | | | | | | | | | | | | | | | |
| R T | Integral Manifold – Coplanar ^T Integral Manifold – Traditiona | | | | | | | | | | | | | | | | | | | |
| | Inlet | | | | | | | | | | | | | | | | | | | |
| A B C | Female Flanged – For Traditional Style 1/2 NPT with Tube Fitting | e Integ | ral Manifolds only | | | | | | | | | | | | | | | | | |
| | Material | | | | | | | | | | | | | | | | | | | |
| S M H | 1.4401 / 1.4404 / 316 / 316L Alloy 400 UNS N04400 Alloy C-276 UNS N10276 | F D V | Duplex UNS S31803 Super Duplex UNS S32750 Alloy 625 UNS N06625 | B T | | UNS S3 ium Gra | | | | | | | | | | | | | | |
| | Bonnet | | ., | | | | | | | | | | | | | | | | | |
| А | PTFE | К | O-Ring FKM (FPM by ISO) | | | | | | | | | | | | | | | | | |
| В | Graphite | W 2 | Carbon filled PTFE - TA-Luft | | | | | | | | | | | | | | | | | |
| D E | ISO FE Series Type 1 ISO FE Series Type 3 | 4 | Bellows sealed PN 100 Bellows sealed PN 250 | | | | | | | | | | | | | | | | | |
| | Inlet | | | | | | | | | | | | | | | | | | | |
| | Thread Type | 6 | Fitting Type | - | | ge Inte | | | | | | | | | | | | | | |
| N | NPT | с К | Single Ferrule Tube Fitting Twin Ferrule Tube Fitting | т | Flang | e Interfa | ace | | | | | | | | | | | | | |
| | Thread Size | | Tube Fitting Sizes | 2 | | ge Inte | | | | | | | | | | | | | | |
| 4 | 1/2 | 4 9 | 12 resp. 12S 1/2" | 3 | EN 6 | 1518 wit | :h 1/4 NF | 71 Femal | e – For I | raditiona | l Style Int | egral Ma | nifolds | | | | | | | |
| | Outlet | | | | | | | | | | | | | | | | | | | |
| TF | Transmitter Interface Rosemount 2051/3051 Copla | anar TM | Prossuro Transmittor | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| В | | | al order (digits first, then let a Service – For PTFE Packing on | | | | | | | | | | | | | | | | | |
| F | PCTFE Soft Tip | ,0 | Ũ | , | | | | | | | | | | | | | | | | |
| G S | POM Soft Tip Stellite Valve Tip | | | | | | | | | | | | | | | | | | | |
| A | Vent Ports Plugged | | | | | | | | | | | | | | | | | | | |
| Р | Power Piping ASME B31.1 – F | | | | | | | | | | | | | | | | | | | |
| K M | Arctic Operations (-55°C (-6 Wetted Parts with 3.1 certifi | | For PIFE Packing only | | | | | | | | | | | | | | | | | |
| | Operation Options | | | | | | | | | | | | | | | | | | | |
| J | Stainless Steel Handwheel | | | | | | | | | | | | | | | | | | | |
| T R | Anti-Tamper Bonnet (Key to Anti-Tamper Bonnet (1 Key s | | | | | | | | | | | | | | | | | | | |
| Q | AT-Key Lock Bonnet Design | | | | | | | | | | | | | | | | | | | |
| U W | Padlock for Anti-Tamper Bon Stainless Steel Handwheel | net / A | T-Key Lock Bonnet Design | | | | | | | | | | | | | | | | | |
| vv | Mounting Bracket Kits | | | | | | | | | | | | | | | | | | | |
| 7 | - | M-C T | ype for 2" Pipe Mounting supp | lied se | paratel | y – For | Vertica | l Impuls | e Piping | Installa | ations* | | | | | | | | | |
| 8 | | | pe for 2" Pipe Mounting suppli | | | | | | | | | | | | | | | | | |
| 9 | SST Mounting Bracket AKM- | і Туре | for 2" Pipe Mounting supplied s | eparate | eiy – Fo | r Horiz | ontal Im | puise Pij | oing Insta | ailations | | | | | | | | | | |

* Relevant Bracket Type see Pages 38-39.

Wetted Parts according to a.m. material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2. Note: Not every configuration which can be created in the ordering information is feasible / available.

5 Valve Manifolds with Natural Gas Metering Pattern

5 Valve Manifolds with Natural Gas Metering Pattern

AS-Schneider is manufacturing various 5 Valve Manifold Designs with Natural Gas Metering Pattern for direct mounting to Differential Pressure Transmitters – either Transmitters with standard flange connection in accordance with IEC 61518 or alternatively to Rosemount 2051/3051 Coplanar[™] Pressure Transmitters. The standard vent connection is 1/4 NPT female. Pipe plugs are not installed as standard. For plugged vent ports (factory installed) and other options see Page 42 – Ordering Information 5 Valve Manifolds with Natural Gas Metering Pattern. The standard test connection is 1/4 NPT female plugged. Accessories like Swivel Gauge Adaptors, Vent Valves etc. see Pages 48-53.

The dimensions shown apply only to the illustrated valves (1/2 NPT Threaded) – if you need the dimensions for your individual type or should you still not find your options at all please contact the factory.

5 Valve Manifolds -Instrument Connection acc. to. IEC 61518 5AAF Type



5 Valve Integral Manifolds -

Instrument Connection for Rosemount 2051/3051 Coplanar[™] Pressure Transmitter 5DAF Type





Manifold Type D (For Rosemount Coplanar[™] Transmitter)



Manifold Type A (DIN EN 61518 / IEC 61518)



Ordering Information

| i i j | | | | | | | | | | _ | | _ | | | | | | | | | |
|---|----|---------------------------------------|---------|----------------------------------|---------|----------|----------|---------|---------|----------|----------|---------|--------|---|---------|---------|----|----|---------|---------|----|
| Image: Second Procession 114 NPT - West Procession 114 NPT - Bear Process | | | | | | 1 | 2 | 3 | 4 T | 5 | 6 K | 7 | 8 | 9 | 10 4 | 11 D | 12 | 13 | 14 F | 15 м | 16 |
| Image: Second Procession 114 NPT - West Procession 114 NPT - Bear Process | | | | | | 5 | ~ | | | 3 | ĸ | - | C | 7 | ^ | D | - | ~ | | 11 | |
| 0 Outcle NUM NM 31584 The Construction of MA UPT - New York Num York | 5 | 5 Valve Manifolds with Na | tural (| Gas Metering Pattern | | | | | | | | | | | | | | | | | |
| 0 Outcle NUM NM 31584 The Construction of MA UPT - New York Num York | | | | | | | | | | | | | | | | | | | | | |
| D Description Secret Secre Secret Secre Secret Secret Secre Secret Secret Secret Secre Secre | А | | t Conn | ection 1/4 NPT - Vent Port 1/4 | NPT – | Inlet 1/ | 2 NPT | | | | | | | | | | | | | | |
| A 144 APT Fende E 144 APT with Nerrow E 145 APT with Nerrow E E 144 APT with Nerrow E Image: Control E Ferdel The Foring 12 mm F F Tester Foring 12 mm F Tester Foring 12 mm Tester Foring 12 mm F Tester Foring 12 mm Tester Foring 12 mm Tester Foring 12 mm Tester Foring 12 mm Tester Foring 12 mm Tester Foring 12 mm Testering 12 mm | | Outlet for Rosemount 2051/30 |)51 Cop | olanar™ Pressure Transmitter – 1 | | | | | | | | | | | | | | | | | |
| C MAP Twink Twink Termina Inter Tube Fining 12mm Inter Tube Fining 12mm Inter Tube Size Fining Fining Pining Pini | | Vent Connection | | | | | | | | | | | | | | | | | | | |
| f True Fraine Waterial S 1470/1140/1316/1346 Maley 400/1430/1316/1346 F Diplow UNS S31253 Maley 400/1430/1316/1346 F Diplow UNS S31253 Maley 400/1430/1316/1346 V Alley 400/1430/1346/1346 Maley 400/1430/1346/1346 V Carbon filed PTE-TA-Luit More 100/1547 C Single Formula Tables Fitting Sizes Mire 2 Single Formula Tables Fitting Sizes Single Formula Tables Fitting Sizes Mire 2 Single Formula Tables Fitting Sizes Single Formula Tables Fitting Sizes Mire 2 Single Formula Tables Fitting Sizes Single Formula Tables Fitting Sizes Mire 2 Single Formula Tables Fitting Sizes Single Formula Tables Fitting Sizes Mire 2 Single Formula Tables Fitting Sizes Single Formula Tables Fitting Sizes Mire 2 Single Formula Tables Fitting Sizes Single Formula Tables Fitting Sizes Mire 2 Single Formula Tables Fitting Sizes | | 1/4 NPT with Twin Ferrule | E | 1/4 NPT with Single Ferrule T | lube Fi | tting 12 | S | | | | | | | | | | | | | | |
| T Naterial Image: Second Se | | Inlet | | | | | | | | | | | | | | | | | | | |
| Material Image: Control (Control (Contro) (Control (Contro) (Contro) (C | | | | | | | | | | | | | | | | | | | | | |
| s 1.440/114/91/16/3164 F Duplex UNS 332700 F Moley C2:UNS N04260 D Super Duplex UNS 332700 F Tranum Grade 2 Haley C2:UNS N01026 D Super Duplex UNS 332700 T Tranum Grade 2 Biley C2:UNS N01026 D Super Duplex UNS 332700 T Tranum Grade 2 Biley C2:UNS N01026 V Cuthon filed PTE - TA-Lufe D D DD FE Series Type 1 2 Belows seted PN 100 D E DDFE Series Type 1 2 Belows seted PN 200 D Met Tested Connection K Tote Fitting Sizes D NPT C Single Farrule Tube Fitting Sizes D D NPT C Single Farrule Tube Fitting Sizes D D NPT C Single Farrule Tube Fitting Sizes D D NPT C Single Farrule Tube Fitting Sizes D D D Dive Not SittAB T Tranum ter D D D D D D D D D D D D D D D D | Т | Tube Fitting | | | | | | | | | | | | | | | | | | | |
| M Alloy 400 UNS N04000 D Speer Publics VIS S12250 T Timum Grade 2 H Alloy 622 UNS N02026 V Alloy 622 UNS N06263 T Timum Grade 2 H Alloy 622 UNS N02076 V Alloy 622 UNS N06263 T Timum Grade 2 H Alloy 622 UNS N02076 V Alloy 622 UNS N06263 T Timum Grade 2 H Alloy 622 UNS N02076 V Compain Grade THE TALLoh Company Secure FT TALLOH Company Sec | | | | | | | | | | | | | | | | | | | | | |
| H Aliny 4.23 UNS N06272 V Aliny 4.23 UNS N06623 B Comate Several Market | | | | | | | | | | | | | | | | | | | | | |
| A PTFE K O-Rug FKM (FM by ISO) B Graphice W Carbon filed PTFE - TA-Luk ISO FE SoriesType 1 2 Bellows scaled PN 120 ISO FE SoriesType 3 4 Bellows scaled PN 120 Inte Inte Inte Thread Size Fitting Type Tube Fitting Sizes Thread Size Single Fornula Tube Fitting 4 12 resp. 125 NN NPT C Single Fornula Tube Fitting 3 A 14 NPT female plugged Transmitter Interface Dink Not Site A Torsmitter Interface Transmitter B Carbon Site A Torsmitter Interface Torsmitter Interface Dink Not Site A Torsmitter Transmitter Social Site A Social Site A Social Site A Social Site A Social Site A Social Site A Social Site A Social Site A Social Site A Social Site A Social Site A Social Site A Social Site A Social Site A Social Site A Social Site A Social Site A Social Site A Social Site A Social Site A Social Site A Social Site A | | | | | | | | | | | | | | | | | | | | | |
| B Graphice VI Chron filled PTFE T-A.u.k. ISO FE Series Type 3 4 Bellows sealed PN 1200 ISO FE Series Type 3 4 Bellows sealed PN 2200 Thread Size Isone Ferries Type 3 4 INPE Thread Size Isone Ferries Type 3 NT North C Single Ferries Type 3 4 Bellows sealed PN 2200 Thread Size Single Ferries Type 3 4 North Type 3 5 North Type 3 4 12 resp. 125 Type 3 Single Forth Type 3 4 12 resp. 125 Type 3 Single Forth Type 3 4 12 resp. 125 Type 3 Single Forth Type 3 5 5 Type 3 Single Forth Type 3 5 5 Type 3 Single Forth Type 3 | | Bonnet | | | | | | | | | | | | | | | | | | | |
| 0 BSO FE Series Type 1 2 Bellows sealed PN 250 150 FE Series Type 3 4 Bellows sealed PN 250 1 NT C Single Ferrule Tube Fitting Sizes Two Ferrule Tube Fitting Sizes 4 12 resp. 125 1 NT T C Single Ferrule Tube Fitting Sizes Two Ferrule Tube Fitting Sizes 4 1 14 NPT Fensile plugged Two Ferrule Tube Fitting Sizes Two Ferrule Tube Fitting Sizes 4 0 14 NPT Fensile plugged Two Ferrule Tube Fitting Sizes Two Ferrule Tube Fitting Sizes 4 0 Size Size Size Size Size Size Size Size | | | | | | | | | | | | | | | | | | | | | |
| E ISO FE Series Type 3 4 Bellows sealed PN 250 Interting Type 1 Normad Size Normad Size Normad Size Normad Size Normad Size Normad Size Tobe Fitting Sizes Normad Size Tobe Fitting Sizes Size Connection Size Connection Size Connection Sizes Confrom Colspan="4" Port Fitting Type Connect (Key tobe Connect Port FITE Packing only | | | | | | | | | | | | | | | | | | | | | |
| Thread Size Fitting Type Tube Fitting Sizes NPT C Single Farvule Tube Fitting 4 12 resp. 125 Test Connection X Twin Ferrule Tube Fitting 4 12 resp. 125 Outlet | | · · | | | | | | | | | | | | | | | | | | | |
| NM NPT C Single Ferrule Tube Fitting 4 12 resp. 125 Test Connection Town Ferrule Tube Fitting 4 12 resp. 125 Test Connection Town Ferrule Tube Fitting 4 12 resp. 125 Outlet Town Ferrule Tube Fitting 4 12 resp. 125 Outlet Town Ferrule Tube Fitting 4 12 resp. 125 Outlet Town Forse Tube Town Tube Town Tube Town The Sume Transmitter Tube Town | | Inlet | | | | | | | | | | | | | | | | | | | |
| K Twin Ferrule Tube Fitting Fest Connection A 14 NPT Female plugged Outlet Transmitter Interface D DIN EN 61518.A R Semeouns 2051/0301 Coplanar TM Presure Transmitter Options - Specify in alphabetical order (digits first, then letters) B Gleaned and lubincited for Oxygen Service - For PTFE Packing only F P P P OP Soft Tip Sellite VMeT Ping Vested Parts with 31 - for Graphine Packing only K Artic Operations (SS'C (47F)) - For PTFE Packing only K Vested Parts with 31 certificate Operations (SS'C (47F)) - For PTFE Packing only K Arti-Tomper Bonnet (Y top supplied per Valve/Manfold) Ath-Tamper Bonnet (Y top supplied per Valve/Manfold) Ather Cap Streev 71/6-20 UNF, Boit Length 2 ⁺ , C.S., PTFE Seal Rings Hex Cap Streev 71/6-20 UNF, Boit Length 2 ⁺ , S.S., PTFE Seal Rings Hex Cap Streev 71/6-20 UNF, Boit Length 2 ⁺ , S.S., C.F | | | - | | | | | g Sizes | | | | | | | | | | | | | |
| A 1/4 NPT Female plugged Outlet Transmitter Interface D D1N EN 61518-A Resemount 2051/3051 Coplana TM Pressure Transmitter Octions - Specify in alphabetical order (digits first, then letters) B Cleaned and Lubricated for Oxygen Service - For PTFE Packing only F PCTFE Soft Tip Sollite Value | N4 | NPI | | | 4 | 12 n | esp. 125 | | | | | | | | | | | | | | |
| Vulce Tansmitter Interface D D1N EN A1518.A Rosemount 2051/3051 Coplana TH Pressure Transmitter Vestion - Specify in alphabetical order (digits first, then letters) B Cleaned and Lubricated for Oxygen Service -For PTFE Packing only F PCTFE Soft Tip Stellite Value Tip Stellite Value Tip Vent Ports Plugged Power Pping ASME B31.1 - For Graphite Packing only K A Vent Ports Plugged Power Poing ASME B31.1 - For Graphite Packing only K A Artic Toperations (SSC (-GFT)) - For PTFE Packing only Wetted Parts with 3.1 certificate Operation Options J Stallite Steel Handwheel with Locking Plate Design Anti-Tamper Bonnet (Key to be ordered separately) Anti-Tamper Bonnet (Key to be ordered separately) Anti-Tamper Bonnet (TK-Key Lock Bonnet Design Valices Steel Handwheel with Locking Plate Design Att-Tamper Bonnet (NE to be ordered separately) A Arti-Tamper Bonnet (TK-Key Lock Bonnet Design Visites Steel Handwheel Vesteed Pacrew 7116-20 UNF Boit Lenget 2", C.S., Graphite Seal Rings* <td></td> <td>Test Connection</td> <td></td> | | Test Connection | | | | | | | | | | | | | | | | | | | |
| Tansmitter Interface D DN EN 61518-A F Rosemount 2051/3051 Coplanar TM Pressure Transmitter D Detions - Specify in alphabetical order (digits first, then letters) D Cleaned and Lubricated for Oxygen Service –For PTFE Packing only F PCTFE Soft Tip C Polm Soft Tip S Stellite Valve Tip V Vene Pors Plugged P Power Piping ASME B31.1 – For Graphite Packing only K Arctic Operation (S5°C (67°F)) – For PTFE Packing only W Vetter Parts with 3.1 – err offracte V Pere Priping ASME B31.1 – For Graphite Packing only K Arctic Operation (S5°C (67°F)) – For PTFE Packing only W Vetted Parts with 3.1 – err offracte V Parton Options J Stainless Steel Handwheel with Locking Plate Design K Anti-Tamper Bonnet (Key to be ordered separately) R Anti-Tamper Bonnet (Key to be ordered separately) R Anti-Tamper Bonnet / AFKey Lock Bonnet Design V Stainless Steel Handwheel H Anti-Tamper Bonnet / AFKey Lock Bonnet Design V Stainless Steel Handwheel | А | 1/4 NPT Female plugged | | | | | | | | | | | | | | | | | | | |
| D DIN EN 61518-A Rosemount 2051/3051 Coplanar [™] Pressure Transmitter D Options - Specify in alphabetical order (digits first, then letters) C Oclaned and Lubricated for Oxygen Service - For PTFE Packing only P PCFE Soft Tip S Stellite Valve Tip V POM Soft Tip S Stellite Valve Tip V Vent Ports Plugged P Power Piping ASME B31.1 - For Graphite Packing only K Arctic Operations (55°C (47°F)) - For PTFE Packing only K Arctic Operations (55°C (47°F)) - For PTFE Packing only K Arctic Operations (55°C (47°F)) - For PTFE Packing only M Vetted Parts wich 3.1 certificate Vetter Parts wich 3.1 certificate Operation Options Anti-Tamper Bonnet (Key to be ordered separately) Anti-Tamper Bonnet (Key supplied per Valve/Manfold) Q ArKey Lock Bonnet Design Stallock for Anti-Tamper Bonnet / ATKey Lock Bonnet Design K Ancter Anti-Tamper Bonnet (TKey Supplied per Valve/Manfold) Anti-Tamper Bonnet (TKey Lock Bonnet Design K Anti-Tamper Bonnet (TKey Supplied per Valve/Manfold) Anti-Tamper Bonnet (TKey Supplied per Valve/Manfold) K Artey Lock Bonnet Design Stallo | | Outlet | | | | | | | | | | | | | | | | | | | |
| F Rosemount 2051/3051 Coplanar ¹¹⁴ Pressure Transmitter C Cytons - Specify in alphabetical order (digits first, then letters) B Cleaned and Lubricated for Oxygen Service - For PTFE Packing only F PCTFE Soft Tp G POM Soft Tp S Sellite Valve Tp A Vent Ports Plugged P Pover Piping ASME B31.1 - For Graphite Packing only K Arctic Operations (S5°C (-G7'F)) - For PTFE Packing only K Arctic Operations (S5°C (-G7'F)) - For PTFE Packing only K Arctic Operations (S5°C (-G7'F)) - For PTFE Packing only K Arctic Operations (S5°C (-G7'F)) - For PTFE Packing only K Arctic Operations (S5°C (-G7'F)) - For PTFE Packing only K Arctic Operations (S5°C (-G7'F)) - For PTFE Packing only K Arctic Operations (S5°C (-G7'F)) - For PTFE Packing only K Arctic Tamper Bonnet (Key to be ordered separately) R Anti-Tamper Bonnet (Key to be ordered separately) R Artic Tamper Bonnet (Key to be ondered separately) R Artic Tamper Bonnet (Key to be Bonnet Design V Stainless Steel Handwheel Hex Cap Screw 7/16-20 UNF, Bolt Length 2°, C.S., PTFE Seal Rings* <td>-</td> <td></td> | - | | | | | | | | | | | | | | | | | | | | |
| cleaned and Lubricated for Oxygen Service -For PTFE Packing only F PCTFE Soft Tip G POM Soft Tip Stellite Value Tip Sellite Value Tip A Vent Ports Plugged P Power Piping ASME B31.1 - For Graphite Packing only K Arctic Operations (55°C (-67°F)) - For PTFE Packing only W Wetted Parts with 3.1 certificate J Stainless Steel Handwheel with Locking Plate Design A nati-Tamper Bonnet (Key to be ordered separately) A nati-Tamper Bonnet (I Key supplied per Value/Manifold) Q Artic-Key Lock Bonnet Design V Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design V Stainless Steel Handwheel V Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design V Stainless Steel Handwheel V Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design V Stainless Steel Handwheel V Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design V Stainless Steel Handwheel V Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design V Stainless Steel Handwheel V Padlock for Anti-Tampe | | | nar™ F | Pressure Transmitter | | | | | | | | | | | | | | | | | |
| cleaned and Lubricated for Oxygen Service -For PTFE Packing only F PCTFE Soft Tip G POM Soft Tip Stellite Value Tip Sellite Value Tip A Vent Ports Plugged P Power Piping ASME B31.1 - For Graphite Packing only K Arctic Operations (55°C (-67°F)) - For PTFE Packing only W Wetted Parts with 3.1 certificate J Stainless Steel Handwheel with Locking Plate Design A nati-Tamper Bonnet (Key to be ordered separately) A nati-Tamper Bonnet (I Key supplied per Value/Manifold) Q Artic-Key Lock Bonnet Design V Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design V Stainless Steel Handwheel V Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design V Stainless Steel Handwheel V Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design V Stainless Steel Handwheel V Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design V Stainless Steel Handwheel V Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design V Stainless Steel Handwheel V Padlock for Anti-Tampe | | Options - Specify in alpha | betica | l order (digits first, then let | ters) | | | | | | | | | | | | | | | | |
| G POM Soft Tp S Stellite Valve Tip A Vent Ports Plugged Power Piping ASME B31.1 – For Graphite Packing only R K Arctic Operations (55°C (-67°F)) – For PTFE Packing only W Wetted Parts with 3.1 certificate Deration Options Stainless Steel Handwheel with Locking Plate Design Arctic Tamper Bonnet (Key to be ordered separately) Anti-Tamper Bonnet (Key to be ordered separately) R Anti-Tamper Bonnet (A Key supplied per Valve/Manifold) Q ArKey Lock Bonnet Design Q ArKey Lock Bonnet Design Q Padlock for Anti-Tamper Bonnet / ArKey Lock Bonnet Design Y Stainless Steel Handwheel Q Hex Cap Screw / Nic-20 UNF, Bolt Length 2°, C.S., PTFE Seal Rings Y Hex Cap Screw / Nic-20 UNF, Bolt Length 2°, S.S., PTFE Seal Rings Y Hex Cap Screw / Nic-20 UNF, Bolt Length 2°, S.S., Graphite Seal Rings Y Hex Cap Screw / Nic-20 UNF, Bolt Length 2°, S.S., Graphite Seal Rings Y Hex Cap Screw / Nic-20 UNF, Bolt Length 2°, S.S., Graphite Seal Rings Y Hex Cap Screw / Nic-20 UNF, Bolt Length 2°, S.S., Graphite Seal Rings Y Hex Cap Screw / Nic-20 UNF, Bolt Length 2°, S.S., Graphite Seal Ri | в | | | | | | | | | | | | | | | | | | | | |
| Sellite Valve Tip A Vent Ports Plugged Power Piping ASME B31.1 – For Graphite Packing only K Artic Operations (-S5° (-(67°F)) – For PTFE Packing only W Vetted Parts with 3.1 certificate Image: Steel Handwheel with Locking Plate Design Arti: Tamper Bonnet (Key to be ordered separately) Arti-Tamper Bonnet (Key supplied per Valve/Manifold) Arti-Tamper Bonnet (Yey supplied per Valve/Manifold) V Arti-Stamper Bonnet (Yey Lock Bonnet Design Y Arti-Tamper Bonnet (Yey Supplied per Valve/Manifold) V Vetted Parts with Stoel Handwheel Y Artics Lock Bonnet Design V Valck Bonnet Design V Valck Steel Handwheel V Accessory Kits for Manifold to Transmitter mounting according to DIN EN 61518 - For 5A Type only (not for 5D Type) V Accessory Thic20 UNF, Boit Length 2°, S.S., PTFE Seal Rings* Hex Cap Screw 7/16-20 UNF, Boit Length 2°, S.S., PTFE Seal Rings* Hex Cap Screw 7/16-20 UNF, Boit Length 2°, S.S., Graphite Seal Rings * Hex Cap Screw 7/16-20 UNF, Boit Length 2°, S.S., Graphite Seal Rings * | | | | | | | | | | | | | | | | | | | | | |
| P Power Piping ASME B31.1 - For Graphite Packing only K Arctic Operations (-55°C (-67°F)) - For PTFE Packing only W Wetted Parts with 3.1 certificate C Operation Options J Stainless Steel Handwheel with Locking Plate Design T Anti-Tamper Bonnet (Key to be ordered separately) R Anti-Tamper Bonnet (1 Key supplied per Valwe/Manifold) Q AT-Key Lock Bonnet Design Y Stainless Steel Handwheel W Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design Stainless Steel Handwheel Stainless Steel Handwheel W Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design Stainless Steel Handwheel Stainless Steel Handwheel V Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design Stainless Steel Handwheel Stainless Steel Handwheel V Stainless Steel Handwheel V Stainless Steel Natifold to Transmitter mounting according to DIN EN 61518 - For 5A Type only (not for 5D Type) 1 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., PTFE Seal Rings 2 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., Graphite Seal Rings 4 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., Graphite S | | | | | | | | | | | | | | | | | | | | | |
| K Arctic Operations (-55°C (-67°F)) - For PTFE Packing only Wetted Parts with 3.1 certificate Depration Options J Stainless Steel Handwheel with Locking Plate Design Anti-Tamper Bonnet (Key to be ordered separately) Anti-Tamper Bonnet (Key supplied per Valve/Manifold) Q ArKey Lock Bonnet Design V Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design Stainless Steel Handwheel Vertee Parts With 2.0 (Key Steel Manufold) V Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design Stainless Steel Handwheel Vertee Parts With 2.0 (Key Bonnet Design V Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design Stainless Steel Handwheel Vertee Parts With 5.0 (Key Bonnet Design V Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design Stainless Steel Handwheel Vertee Parts With 5.0 (Key Bonnet Design V Stainless Steel Steel With 5.0 (Key Bonte Design Sey | | | or Cro | ahita Packing only | | | | | | | | | | | | | | | | | |
| Operation Options J Stainless Steel Handwheel with Locking Plate Design Anti-Tamper Bonnet (Key to be ordered separately) R Anti-Tamper Bonnet (I Key supplied per Valve/Manifold) Q AT-Key Lock Bonnet Design U Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design Stainless Steel Handwheel V Stainless Steel Handwheel Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., PTFE Seal Rings* Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., Graphite Seal Rings Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., Graphite Seal Rings Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., Graphite Seal Rings Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., Graphite Seal Rings Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., Graphite Seal Rings Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., Graphite Seal Rings Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., Graphite Seal Rings Stainless Steel Screw 7/16-20 UNF, Bolt Length 2", S.S., Graphite Seal Rings Stainless Steel Screw 7/16-20 UNF, Bolt Length 2", S.S., Graphite Seal Rings Stainless Steel Screw 7/16-20 UNF, Bolt Length 2", S.S., Graphite Seal Rings Stainless Steel Screw 7/16-20 UNF, Bolt Length 2", S.S., Graphite Seal Rings Stainless Steel Screw 7/16-20 UNF, Bolt Length 2", S.S., Graphite Seal Rings | | | | | | | | | | | | | | | | | | | | | |
| J Stainless Steel Handwheel with Locking Plate Design T Anti-Tamper Bonnet (Key to be ordered separately) R Anti-Tamper Bonnet (1 Key supplied per Valve/Manifold) Q AT-Key Lock Bonnet Design Pallock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design Stainless Steel Handwheel V Stainless Steel Handwheel I Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., PTFE Seal Rings Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., PTFE Seal Rings* 3 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., Graphite Seal Rings* 4 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., Graphite Seal Rings 5 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., Graphite Seal Rings 6 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., Graphite Seal Rings 7 String Bracket Kits | М | | cate | | | | | | | | | | | | | | | | | | |
| T Anti-Tamper Bonnet (Key to be ordered separately) R Anti-Tamper Bonnet (1 Key supplied per Valve/Manifold) Q AT-Key Lock Bonnet Design Pallock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design Environment / AT-Key Lock Bonnet Design V Stainless Steel Handwheel Tecessory Kits for Manifold to Transmitter moutting according to DIN EN 61518 - For 5A Type only (not for 5D Type) 1 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., PTFE Seal Rings 2 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., Graphite Seal Rings* 3 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., Graphite Seal Rings* 4 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., Graphite Seal Rings* 3 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., Graphite Seal Rings* 4 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., Graphite Seal Rings* 5 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., Graphite Seal Rings* 6 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., Graphite Seal Rings* 7 SCT Mounting Bracket Kits | T | · · · · · · · · · · · · · · · · · · · | vith Lo | cking Plate Design | | | | | | | | | | | | | | | | | |
| Q AT-Key Lock Bonnet Design U Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design V Stainless Steel Handwheel Image: Casesory Kits for Manifold to Transmitter mounting according to DIN EN 61518 - For 5A Type only (not for 5D Type) 1 Hex Cap Screw 7/16-20 UNF, Bol Length 2", C.S., PTFE Seal Rings* 2 Hex Cap Screw 7/16-20 UNF, Bol Length 2", C.S., Graphite Seal Rings 3 Hex Cap Screw 7/16-20 UNF, Bol Length 2", S.S., PTFE Seal Rings* 4 Hex Cap Screw 7/16-20 UNF, Bol Length 2", S.S., Graphite Seal Rings 4 Hex Cap Screw 7/16-20 UNF, Bol Length 2", S.S., Graphite Seal Rings* 6 Mounting Bracket Kits 7 CST Mounting Bracket AKM-C or -D Type for 2" Pipe Mounting supplied separately – For Vertical Impulse Piping Installations | т | Anti-Tamper Bonnet (Key to | be ord | ered separately) | | | | | | | | | | | | | | | | | |
| U Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design Stainless Steel Handwheel I Accessory Kits for Manifold to Transmitter mounting according to DIN EN 61518 - For 5A Type only (not for 5D Type) 1 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., PTFE Seal Rings 2 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., Graphite Seal Rings* 3 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., Graphite Seal Rings 4 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., Graphite Seal Rings* 5 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., Graphite Seal Rings 6 Wounting Bracket Kits 7 CST Mounting Bracket AKM-C or -D Type for 2" Pipe Mounting supplied separately – For Vertical Impulse Piping Installations | | | upplied | l per Valve/Manifold) | | | | | | | | | | | | | | | | | |
| Accessory Kits for Manifold to Transmitter mounting according to DIN EN 61518 - For 5A Type only (not for 5D Type) 1 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., PTFE Seal Rings 2 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., PTFE Seal Rings* 3 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., Graphite Seal Rings 4 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., Graphite Seal Rings* 5 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., Graphite Seal Rings 6 Mounting Bracket Kits 7 CST Mounting Bracket AKM-C or -D Type for 2" Pipe Mounting supplied separately – For Vertical Impulse Piping Installations | U | Padlock for Anti-Tamper Bon | net / A | F-Key Lock Bonnet Design | | | | | | | | | | | | | | | | | |
| 1 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., PTFE Seal Rings 2 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., PTFE Seal Rings* 3 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., Graphite Seal Rings 4 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., Graphite Seal Rings* 6 Mounting Bracket Xits 7 CST Mounting Bracket AKM-C or -D Type for 2" Pipe Mounting supplied separately – For Vertical Impulse Piping Installations | W | | Id 6- 7 | | udie - | | | E40 - | | | . (m - t | | (m.e.) | | | | | | | | |
| Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., PTFE Seal Rings* Hex Cap Screw 7/16-20 UNF, Bolt Length 2", C.S., Graphite Seal Rings Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., Graphite Seal Rings* Mounting Bracket Kits CST Mounting Bracket AKM-C or - D Type for 2" Pipe Mounting supplied separately – For Vertical Impulse Piping Installations | 1 | - | | - | | | EN 61 | 510 - F | or 5A I | ype only | y (not i | or SD I | уре) | | | | | | | | |
| 4 Hex Cap Screw 7/16-20 UNF, Bolt Length 2", S.S., Graphite Seal Rings* Mounting Bracket Kits 7 CST Mounting Bracket AKM-C or -D Type for 2" Pipe Mounting supplied separately – For Vertical Impulse Piping Installations | 2 | Hex Cap Screw 7/16-20 UNF | Bolt L | ength 2", S.S., PTFE Seal Rings | * | | | | | | | | | | | | | | | | |
| Mounting Bracket Kits 7 CST Mounting Bracket AKM-C or -D Type for 2" Pipe Mounting supplied separately – For Vertical Impulse Piping Installations | | | | • | • | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | - | | | | | | | | - | | | ons | | | | | | | | |
| Bolt Material S.S. = 316 Stainless Steel I ASTM A193 B8M Class 2 | | - | | | | | , - | | | , , | | | | | | | | | | | |

Wetted Parts according to a.m. material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2. Note: Not every configuration which can be created in the ordering information is feasible / available.

Enclosure Manifolds EDM Series

Enclosure Manifolds EDM Series (2, 3 and 5 Valve Manifolds)

AS-Schneider Enclosure Manifolds EDM Series are manufactured for applications that require the transmitter to be mounted in an enclosure for environmental protection. The standard vent connection is 1/4 NPT female. Pipe plugs are not installed as standard. For plugged vent ports (factory installed) and other options see page 45– Ordering Information Enclosure Manifolds.

The dimensions shown apply only to the illustrated valves (1/2 NPT Threaded) – if you need the dimensions for your individual type or should you still not find your options at all please contact the factory.

2 Valve Manifolds







Enclosure Manifolds EDM Series



5 Valve Manifolds – Female x Flanged



– Standard Flow Schematic \rightarrow E5AA Type – Upstream Vent Schematic \rightarrow E5UA Type

Enclosure Systems

AS-Schneider Enclosure Systems have been developed to provide a weatherproof barrier for every type of installation. Modern process measurement instrumentation needs protection not only from the effects of sun, rain, frost, aggressive atmosphere or dirt but also from accidental damage or unauthorized access.

The Enclosure Manifolds allow direct mounting to a baseplate or a back plate of the enclosures. A lot of accessories such as electrical heating systems, thermostats, junction boxes, grommets and pipestands are available. Designed and fitted out to customer's specifications AS-Schneider is supplying the complete solution - enclosure, manifolds and all accessories needed – for an easy on-site installation. For more details please contact the factory.



Manifold Mounting Options



Enclosure Manifolds EDM Series

Ordering Information

| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | • |
|-------------|--|----------|--|---------------|------------|---------|--------|--------|----|---|---|---|----|----|----|----|----|----|---|
| | | | | E | 5 | А | А | S | А | - | Ν | 4 | Т | D | - | R | | | |
| | | | | | | | | | | | | | | | | | | | |
| Е | Enclosure Manifolds EDM | Series | | | | | | | | | | | | | | | | | |
| | Quantity Bonnets - 2-5 | | | | | | | | | | | | | | | | | | |
| | Manifold Specifics | | | | | | | | | | | | | | | | | | |
| A | Standard - 2 Valve / 5 Valve Manif | old wit | h Vent Ports 1/4 NPT Female, 3 Val | ve Manifold v | without Ve | nt Port | | | | | | | | | | | | | |
| С | Vent 1/4 NPT with Tube Fitting | g 12 mn | n | | | | | | | | | | | | | | | | |
| U | Upstream Vent Type (5 Valve M | anifold | only) | | | | | | | | | | | | | | | | |
| | Inlet x Outlet Configuration | on | | | | | | | | | | | | | | | | | |
| A | Female x Flanged | D | 1/2 NPT with Tube Fitting x Fe | male | | | | | | | | | | | | | | | |
| В | 1/2 NPT with Tube Fitting x Flanged | E | Female x Swivel Nut | | | | | | | | | | | | | | | | |
| с | Female x Female | F | 1/2 NPT with Tube Fitting x Sw | vivel Nut | | | | | | | | | | | | | | | |
| | Material | | | | | | | | | | | | | | | | | | |
| S | 1.4401 / 1.4404 / 316 / 316L | F | Duplex UNS S31803 | B 6M | o UNS S3 | 1254 | | | | | | | | | | | | | |
| M | Alloy 400 UNS N04400 | D | Super Duplex UNS S32750 | | anium Gra | | | | | | | | | | | | | | |
| н | Alloy C-276 UNS N10276 | V | Alloy 625 UNS N06625 | | | | | | | | | | | | | | | | |
| | Bonnet | | | | | | | | | | | | | | | | | | |
| A | PTFE | к | O-Ring FKM (FPM by ISO) | | | | | | | | | | | | | | | | |
| В | Graphite | w | Carbon filled PTFE – TA-Luft | | | | | | | | | | | | | | | | |
| D | ISO FE Series Type 1 | 2 | Bellows sealed PN 100 | | | | | | | | | | | | | | | | |
| E | ISO FE Series Type 3 | 4 | Bellows sealed PN 250 | | | | | | | | | | | | | | | | |
| | Inlet | | | | | | | | | | | | | | | | | | |
| | Thread Type | - | Fitting Type | | | | | | | | | | | | | | | | |
| N | NPT | С К | Single Ferrule Tube Fitting Twin Ferrule Tube Fitting | | | | | | | | | | | | | | | | |
| | Thread Size | | Tube Fitting Sizes | | | | | | | | | | | | | | | | |
| 2 | 1/4 | 4 | 12 resp. 12S | | | | | | | | | | | | | | | | |
| 4 | 1/2 | 5 | 14 resp. 14S | | | | | | | | | | | | | | | | |
| | | 9 | 1/2" | | | | | | | | | | | | | | | | |
| | Outlet | | | | | | | | | | | | | | | | | | |
| | Thread Size - 2 Valve Manifolds only | | Transmitter Interface | | | | | | | | | | | | | | | | |
| N4 | 1/2 NPT Female | TD | DIN EN 61518-A | | | | | | | | | | | | | | | | |
| G4 M4 | G 1/2 Swivel Nut M 20 x 1.5 Swivel Nut | TE TF | DIN EN 61518-B Rosemount 2051/3051 Coplanar | M Pressure T | Fransmitte | r | | | | | | | | | | | | | |
| | Options - Specify in alphab | | · · · · · | Tressure 1 | mansmicce | | | | | | | | | | | | | | |
| | letters) | | | | | | | | | | | | | | | | | | |
| B F | | xygen S | Service – For PTFE Packing only | | | | | | | | | | | | | | | | |
| г G | PCTFE Soft Tip POM Soft Tip | | | | | | | | | | | | | | | | | | |
| S | Stellite Valve Tip | | | | | | | | | | | | | | | | | | |
| A | Vent Ports Plugged | _ | | | | | | | | | | | | | | | | | |
| Р К | Power Piping ASME B31.1 – For Arctic Operations (-55°C (-67 | | | | | | | | | | | | | | | | | | |
| M | Wetted Parts with 3.1 certifica | | or FTTE Facking Only | | | | | | | | | | | | | | | | |
| | Operation Options | | | | | | | | | | | | | | | | | | |
| J | Stainless Steel Handwheel w | ith Loc | king Plate Design | | | | | | | | | | | | | | | | |
| Т | Anti-Tamper Bonnet (Key to b | | | | | | | | | | | | | | | | | | |
| R Q | Anti-Tamper Bonnet (1 Key su AT-Key Lock Bonnet Design | pplied | per valve/Manifold) | | | | | | | | | | | | | | | | |
| U | Padlock for Anti-Tamper Bonn | et / AT- | Key Lock Bonnet Design | | | | | | | | | | | | | | | | |
| w | Stainless Steel Handwheel | | | | | | | | | | | | | | | | | | |
| | | | ifold to Transmitter mountir | ng accordin | ng to DII | N EN 6 | 1518/1 | EC 615 | 18 | | | | | | | | | | |
| | Hex Cap Screw 7/16-20 UNF, | | • • | | | | | | | | | | | | | | | | |
| 1 | Hex Cap Screw 7/16-20 UNF, | DOIT Le | ingun Z., S.S., PIFE Seal Kings* | | | | | | | | | | | | | | | | |
| 1 2 3 | | | | | | | | | | | | | | | | | | | |
| 2 | Hex Cap Screw 7/16-20 UNF, | Bolt Le | ngth 2", C.S., Graphite Seal Rings ngth 2", S.S., Graphite Seal Rings | | | | | | | | | | | | | | | | |

Wetted Parts according to a.m. material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2. Note: Not every configuration which can be created in the ordering information is feasible / available.

Differential Pressure Gauge Manifolds

AS-Schneider Manifolds for Differential Pressure Gauges are available with a center to center distance of 37 mm or 54 mm as standard. The instrument connections are supplied with a Swivel Nut or a Swivel Male Connection. The standard vent connection is 1/4 NPT female. Pipe plugs are not installed as standard. For plugged vent ports (factory installed) and other options see Page 47 – Ordering Information Differential Pressure Gauge Manifolds. Accessories like Swivel Gauge Adaptors, Vent Valves etc. see Pages 48-53.

The dimensions shown apply only to the illustrated values (G 3/8 Threaded) – if you need the dimensions for your individual type or should you still not find your options at all please contact the factory.

3 Valve Manifolds for Differential Pressure Gauges







5 Valve Manifolds for Differential Pressure Gauges



3 and 5 Valve Manifolds for Differential Pressure Gauges

Ordering Information

| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|----------|--|-----------|---|---------|------------------|-------------|----------|------------|-----------|----|---|---|----|----|----|----|----|----|----|
| | | | | D | 3 | В | В | S | A | - | н | 3 | G | 2 | - | 8 | М | _ | |
| | | | | | | | | | | | | | | | | | | | |
| D | Differential Pressure Gauge | e Manif | folds | | | | | | | | | | | | | | | | |
| | Quantity Bonnets - 3 or 5 | | | | | | | | | | | | | | | | | | |
| | Manifold Specifics | | | | | | | | | | | | | | | | | | |
| | Thread Size Inlet x Distance | from C | Center to Center for Different | tial Pr | ressure C | Gauge | | | | | | | | | | | | | |
| A | G 3/8 x 37 mm | С | 1/2 NPT x 37 mm | | | | | | | | | | | | | | | | |
| В | G 3/8 x 54 mm | D | 1/2 NPT x 54 mm | | | | | | | | | | | | | | | | |
| | Inlet x Outlet Configuration | | | | | | | | | | | | | | | | | | |
| A | Female x Swivel Nut | DE | Tube Fitting x Swivel Male | | | | | | | | | | | | | | | | |
| B C | Female x Swivel Male Tube Fitting x Swivel Nut | F | Male Connector x Swivel Nut Male Connector x Swivel Male | | | | | | | | | | | | | | | | |
| | Material | | | | | | | | | | | | | | | | | | |
| S | 1.4401 / 1.4404 / 316 / 316L | F | Duplex UNS \$31803 | в | 6Mo I | JNS S312 | 254 | | | | | | | | | | | | |
| M | Alloy 400 UNS N04400 | D | Super Duplex UNS S32750 | т | | um Grad | | | | | | | | | | | | | |
| н | Alloy C-276 UNS N10276 | v | Alloy 625 UNS N06625 | | | | | | | | | | | | | | | | |
| | Bonnet | | | | | | | | | | | | | | | | | | |
| А | PTFE | к | O-Ring FKM (FPM by ISO) | | | | | | | | | | | | | | | | |
| В | Graphite | W | Carbon filled PTFE – TA-Luft | | | | | | | | | | | | | | | | |
| D | ISO FE Series Type 1 | 2 | Bellows sealed PN 100 | | | | | | | | | | | | | | | | |
| E | ISO FE Series Type 3 | 4 | Bellows sealed PN 250 | | | | | | | | | | | | | | | | |
| | Inlet | | | | | | | | | | | | | | | | | | |
| NIA | Thread Type | C | Fitting Type | 4 | | Fitting | Sizes | | | | | | | | | | | | |
| N4 H3 | 1/2 NPT G 3/8 – DIN 3852 (Female only) | С К | Single Ferrule Tube Fitting Twin Ferrule Tube Fitting | 4 5 | 12 res 14 res | | | | | | | | | | | | | | |
| G4 | G 1/2 – EN 837-1 (Male only) | | | 9 | 1/2" | po | | | | | | | | | | | | | |
| | Outlet | | | | | | | | | | | | | | | | | | |
| | Thread Type | | | | | | | | | | | | | | | | | | |
| G2 | G 1/4 Swivel Male | | | | | | | | | | | | | | | | | | |
| G4 M4 | G 1/2 Swivel Nut or Swivel Mal M 20 x 1.5 Swivel Nut | e | | | | | | | | | | | | | | | | | |
| | Options - Specify in alphabe | etical c | order (digits first then lette | rc) | | | | | | | | | | | | | | | |
| в | Cleaned and Lubricated for Ox | | | 15) | | | | | | | | | | | | | | | |
| F | PCTFE Soft Tip | /8 | | | | | | | | | | | | | | | | | |
| G | POM Soft Tip | | | | | | | | | | | | | | | | | | |
| S | Stellite Valve Tip | | | | | | | | | | | | | | | | | | |
| A H | Vent Ports Plugged 10,000 psi (689 bar) for PTFE P | acking | 7252 psi (500 bar) for Graphi | te Pac | king | | | | | | | | | | | | | | |
| P | Power Piping ASME B31.1 – For | - | | le rae | | | | | | | | | | | | | | | |
| к | Arctic Operations (-55°C (-67°F | F)) – Foi | r PTFE Packing only | | | | | | | | | | | | | | | | |
| М | Wetted Parts with 3.1 certificat | te | | | | | | | | | | | | | | | | | |
| | Operation Options | h l' | ing Plata Davig= | | | | | | | | | | | | | | | | |
| J T | Stainless Steel Handwheel wit Anti-Tamper Bonnet (Key to be | | | | | | | | | | | | | | | | | | |
| R | Anti-Tamper Bonnet (1 Key sup | | | | | | | | | | | | | | | | | | |
| Q | AT-Key Lock Bonnet Design | | | | | | | | | | | | | | | | | | |
| U | Padlock for Anti-Tamper Bonne Stainless Steel Handwheel | et / AT-K | ey Lock Bonnet Design | | | | | | | | | | | | | | | | |
| W/ | | | | | | | | | | | | | | | | | | | |
| W | | | | | | | | | | | | | | | | | | | |
| W 7 | Accessory Kits CST Mounting Bracket AKM-D | Type fo | r 2" Pipe Mounting supplied sep | parate | ly – For V | /ertical lr | mpulse I | Piping In: | stallatio | ns | | | | | | | | | |

Wetted Parts according to a.m. material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2. Note: Not every configuration which can be created in the ordering information is feasible / available.

Accessories – Mounting Bracket Kits

Mounting Bracket Kits for Vertical Impulse Piping Installations

AKM-S Type

For Valves and Manifolds with 1 1/4" Square Valve Body (Type H, G, M and S)

AKM-R Type For Manifolds with 1 1/4" Flat Body (Type P and R)







AKM-G Type For Double Block & Bleed Manifolds (Type C)



72 (2.83") 30 (1.18")

72 (2.83")



AKM-D Type and AKM-C Type For Manifolds Type D, W and 5

AKM-B Type For Wafer Style Manifolds with Bottom Inlet Design











Accessories – Mounting Bracket Kits

Mounting Bracket Kits for Horizontal Impulse Piping Installations

AKM-T Type For Integral Manifolds - Traditional Style





Mounting Bracket Kits for Horizontal and Vertical Impulse Piping Installations

AKM-U Type For Manifolds Type H, W and T





Ordering Information

H Mandatory for Manifolds Type H and U-Type Bracket (incl. Spacer)

| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
|--------|---|----------|---------|-----------|----------|-----|---|---|---|--|
| | | А | К | М | - | S | Р | S | - | |
| | | | | | | | | | | |
| AKM | Mounting Bracket Kits | | | | | | | | | |
| | Mounting Bracket incl. screws for mounting the br (if applicable) | acket | to the | e manif | old | | | | | |
| S | Valves and Manifolds with 1 1/4" Square Valve Body (Type | H, G, N | 1 and S | 5) | | | | | | |
| R | Manifolds with 1 1/4" Flat Body (Type P and R) | | | | | | | | | |
| G | Manifolds Type C | | | | | | | | | |
| D | Manifolds Type D, W and 5 | | | | | | | | | |
| В | Wafer Style Manifolds with Bottom Inlet Design | | | | | | | | | |
| U | Manifolds Type H (not for Integral Manifolds for Rosemour Transmitters) Manifolds Type W (except Bottom Inlet Design) Manifolds Type T | nt 2051/ | '3051 C | Coplanar¹ | ™ Pressu | ıre | | | | |
| С | Integral Manifolds - Coplanar [™] Style | | | | | | | | | |
| Т | Integral Manifolds - Traditional Style | | | | | | | | | |
| | Mounting Method | | | | | | | | | |
| Р | 2" Pipe Mounting – incl. 'U' Bolt, Nuts and Washers | | | | | | | | | |
| | Material | | | | | | | | | |
| C S | Carbon Steel zinc plated (only available Mounting Bracket 316 Stainless Steel | Kit AK | (M-D a | nd AKM | 1-C) | | | | | |

Mounting Bracket Kit

Mounting Bracket Kits on Page 48 and 49 are containing:

- Mounting Bracket
- 'U' Bolts*

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- Washers 8.4*
- Hexagon Nuts M8*
- Screws and Washers for Mounting the Manifold to the Bracket - if applicable
- * Amount depending on bracket type. See illustrations.

Accessories - Manifold to Transmitter Mounting acc. to DIN EN 61518

Accessory Kits for Manifold to Transmitter Mounting according to DIN EN 61518 / IEC 61518



b = Depending on manifold thickness

Ordering Information

| 1 1 2 3 4 5 6 7 8 9 10 11 12 13 14 A K S - H U 4 C - P A F 4 4 AKS Transmitter Mounting Kit - H U 4 C - P A F 4 4 KKS Transmitter Mounting Kit - - H U 4 C - P A F 4 4 V 716-20 UNF - for Traditional Style Manifolds (see page 34-37) please use Option Code W - Incl. wather - - N - <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<> | | | | | | | | | | | | | | | | | | |
|--|----|---|-----------|----------|------------------|------------|--------|---|---|---|---|---|---|---|---|---|----|--|
| KS Transmitter Mounting Kit Type of Screw Type of Screw Socket Head Cap Screw Socket Head Cap Screw Thread Size Thread Size U 7/16-20 UNF - For Traditional Style Manifolds (see page 34-37) please use Option Code VV - Incl. washer MID Mix. allowable (Working) Pressure (S): 160 bar (2.320 ps) - Screws supplied with Washer Y/16-20 UNF - Screws supplied with Washers Yile Sciences and 2 Seal ring: Number of Screws and 1 Seal Ring I For 2 Valve Manifolds and Oval Flanges 4 Screws and 1 Seal Ring I: For 2 Valve Manifolds together with Oval Flanges - Screw Length 2 3/4° 5 Screws and 4 Seal Rings I: For Valve Manifolds together with Oval Flanges - Screw ASTM A574 1 Metric Thread: Hox Cap Screw ASTM A49 - Type 1 1 Socket Head Cap Screw ASTM A574 1 Metric Thread: SOB 98-1 Class 88 5 316 Scainless Steel UNF Thread: ASTM 5193 BM Class 2 1 Metric Thread: ISO 3506 A4-70 5 316 Scainless Steel UNF Thread: ASTM 5193 BM Class 2 1 Metric Thread: ISO 3506 A4-70 5 Screw Length C Graphite A Oraphite A Graphite A Graphite A Graphite A Graphite A Metric Thread | | | | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | | | | 15 | |
| Type of Screw 4 4 4 4 4 4 4 4 4 4 4 4 4 5 5 5 5 7 <t< th=""><th></th><th></th><th>A</th><th>K</th><th>S</th><th>-</th><th>н</th><th>U</th><th>4</th><th>С</th><th>-</th><th>Р</th><th>A</th><th>F</th><th>4</th><th>4</th><th></th><th></th></t<> | | | A | K | S | - | н | U | 4 | С | - | Р | A | F | 4 | 4 | | |
| Type of Screw H Hex Cap Screw Socket Head Cap Screw Thread Size J 7/16-20 UNF - For Traditional Style Manifolds (see page 34-37) please use Option Code W - Incl. waster M10 Max Slowable (Working) Pressure (PS): 160 bar (2.320 psi) - Screws supplied with Waster V Mither of Screws and Seal Rings 2 2 Screws and 1 Seal Ring 1 For Differential Pressure Manifolds 4 S Screws and 1 Seal Ring 1 For Differential Pressure Manifolds 5 4 Screws and 1 Seal Ring 1 For Differential Pressure Manifolds 5 4 Screws and 1 Seal Ring 1 For Differential Pressure Manifolds 6 Screws and 1 Seal Ring 1 For Differential Pressure Manifolds 7 Screws and 1 Seal Ring 1 For Differential Pressure Manifolds 7 Screws and 1 Seal Ring 1 For Differential Pressure Manifolds 7 Screws and 1 Seal Ring 1 For Differential Pressure Manifolds together with Oval Flanges - Screw Length 2 3/4* Material C Carbon Sceel 1 UNF Thread: Hex Cap Screw ASTM A449 - Type 1 1 Socket Head Cap Screw ASTM A574 1 Meric Thread: ISO 3506 A4-70 F 316 Stainless Sceel 1 UNF Thread: ASTM F593 GP2 CW Scale Graphite A OrRug FPM (fKM by ASTM) GB Graphite Screw Length Metric Thread Metric Thread < | | | | | | | | | | | | | | | | | | |
| Hex Cap Screw Socker Head Cap Screw Thread Size U 7/16-20 UNF - For Traditional Style Manifolds (see page 34-37) please use Option Code W - Incl. washer M10 - Max. allovable (Worknig) Pressure (PS): 160 Dar (2.320 psi) - Screws supplied with Washer V 7/16-20 UNF - For Traditional Style Manifolds (see page 34-37) please use Option Code W - Incl. washer M10 - Max. allovable (Worknig) Pressure (PS): 160 Dar (2.320 psi) - Screws supplied with Washer V V1716-20 UNF - Screws and Seal Rings 2 2 Screws and 1 Seal Ring I For 2Valve Manifolds and Oval Flanges 4 Screws and 1 Seal Ring I For 2Valve Manifolds together with Oval Flanges - Screw Length 2 JA ⁴ Material* C Carbon Steel I UNF Thread: Hex Cap Screw ASTM A449 - Type 1 I Socket Head Cap Screw ASTM A574 1 Metric Thread: ISO 898-1 Class 8.8 3 16 Stainless Steel I UNF Thread: ASTM FS93 GP2 CW Scale Ring DIN EN 61518 Type A DIN EN 61518 Type B A Greys and FS81 Ring I For 2 Walve Say Manifolds Screw Length Materic Thread A Greys and FS81 Ring I For 2 Walve Say M A M49 - Type 1 I Socket Head Cap Screw ASTM A574 1 Metric Thread I Say A M45 Say M Class 2 I Metric Thread Screw Length BB Greys A M45 Say M A M45 Say M Class 2 | KS | Transmitter Mounting Kit | | | | | | | | | | | | | | | | |
| S Socket Head Cap Screw Thread Size Number of Screws and Seal Rings 2 2 Screws and Seal Rings 1 For Differential Pressure Manifolds and Oval Flanges 4 Screws and Seal Rings 1 For Differential Pressure Manifolds Type H2A - For Gauge/Absolute Pressure Transmitters 8 4 Screws and 4 Seal Rings 1 For Valer Style Manifolds Type H2A - For Gauge/Absolute Pressure Transmitters 8 4 Screws and 4 Seal Rings 1 For Valer Style Manifolds Type H2A - For Gauge/Absolute Pressure Transmitters 8 4 Screws and Seal Rings 1 For Valer Style Manifolds Type H2A - For Gauge/Absolute Pressure Transmitters 8 4 Screws and Seal Rings 1 For Valer Style Manifolds Type H2A - For Gauge/Absolute Pressure Transmitters 8 4 Screws and Seal Rings 1 For Valer Style Manifolds Type H2A - For Gauge/Absolute Pressure Transmitters State Screw Length Cass 2.0 Heart Thread Screw ASTM A574 1 Metric Thread | | Type of Screw | | | | | | | | | | | | | | | | |
| Thread Size U 7/16-20 UNF – For Traditional Style Manifolds (see page 34-37) please use Option Code W – Incl. washer M10 – Max. allowable (Working) Pressure (PS): 160 bar (2,320 psi) – Screws supplied with Washer 7/16-20 UNF – Screws and Seal Ring I For 2 Valve Manifolds and Oval Flanges 2 Screws and 1 Seal Ring I For 2 Valve Manifolds and Oval Flanges 4 Screws and 1 Seal Ring I For 2 Valve Manifolds and Oval Flanges 5 4 Screws and 1 Seal Ring I For 2 Valve Manifolds together with Oval Flanges - Screw Length 2 3/4" Material* Material* C Carbon Seel I UNF Thread: Hex Cap Screw ASTM A449 - Type 1 1 Socket Head Cap Screw ASTM A574 1 Keric Thread: ISO 898-1 Class 2.8 Screws Sciel I UNF Thread: ASTM 7593 GP2 CW Seal Ring DIN EN 61518 Type A A Grab Neel I UNF Thread: ASTM 7593 GP2 CW Screw Length GB Graphite A Grab Nite GB A Grab Nite GB A Grab Nite GB A Grab Nite GB B Strine Steel I UNF Thread: ASTM 7593 GP2 CW Screw Length Material* GB A </td <td></td> | | | | | | | | | | | | | | | | | | |
| J 7/16-20 UNF – For Traditional Style Manifolds (see page 34-37) please use Option Code W – Incl. washer MID – Max. allowable (Working) Pressure (FS): 160 bar (2,320 psi) – Screws supplied with Washer 7/16-20 UNF – Screws and Seal Rings 2 2. Screws and 1 Seal Ring I for 2 Valve Manifolds and Oval Flanges 4 4. Screws and 1 Seal Ring I for 2 Valve Manifolds together with Oval Flanges - Screw Length 2 3/4" 5 4. Screws and 1 Seal Ring I for 2 Valve Manifolds together with Oval Flanges - Screw Length 2 3/4" 5 4. Screws and 1 Seal Ring I for 2 Valve Manifolds together with Oval Flanges - Screw Length 2 3/4" 5 4. Screws and 1 Seal Ring I for 2 Valve Manifolds together with Oval Flanges - Screw Length 2 3/4" 5 4. Screws and 1 Seal Ring I for Valve Manifolds together with Oval Flanges - Screw Length 2 3/4" 6 C C C C C C C C C C C Stainless Steel I UNF Thread: ASTM ASI3 BM Class 2 I Metric Thread: ISO 3506 A4-70 5 Stainless Steel I UNF Thread: ASTM FS93 GP2 CW Screw Length A Martine Max A TFE A Graphite A G DIN EN 61518 Type A A O-Ring FPM (FKM by ASTM) Screw Length B DIN EN 61518 Type A A A | S | Socket Head Cap Screw | | | | | | | | | | | | | | | | |
| M M10 - Max. allowable (Working) Pressure (P5): 160 bar (2,320 psi) – Screws supplied with Washer 71/6-20 UNF - Screws supplied with Washers Number of Screws and Seal Ring 2 2 Screws and 1 Seal Ring 4 Screws and 1 Seal Ring 4 Screws and 1 Seal Ring 4 Screws and 1 Seal Ring 5 4 Screws and 1 Seal Ring 6 Screw As 1 Seal Ring 5 4 Screws and 4 Seal Ring 6 Screw As 1 Seal Ring 5 4 Screws and 4 Seal Ring 6 Screw As 1 Seal Ring 7 Material* C Carbon Steel 7 UNF Thread: Hex Cap Screw ASTM A449 - Type 1 I Socket Head Cap Screw ASTM A574 1 7 Material* C Carbon Steel 7 Material* 7 | | Thread Size | | | | | | | | | | | | | | | | |
| N 7/16-20 UNF – Screws supplied with Washers Number of Screws and Seal Rings Image: Screws and Seal Rings 2 2 Screws and 1 Seal Ring I For 2 Valve Manifolds and Oval Flanges 4 4 Screws and 1 Seal Ring I For 2 Valve Manifolds Type H2A - For Gauge/Absolute Pressure Transmitters 5 4 Screws and 4 Seal Ring I For Valve Manifolds type H2A - For Gauge/Absolute Pressure Transmitters 8 4 Screws and 4 Seal Rings I For Valve Manifolds type H2A - For Gauge/Absolute Pressure Transmitters 8 4 Screws and 4 Seal Rings I For Valve Manifolds together with Oval Flanges - Screw Length 2 3/4" Material* C Carbon Steel I UNF Thread: Hex Cap Screw ASTM A449 - Type 1 I Socket Head Cap Screw ASTM A574 1 Metric Thread: ISO 898-1 Class 8 8 3 16 Stainless Steel I UNF Thread: ASTM A193 BBM Class 2 1 Metric Thread: ISO 3506 A4-70 F 316 Stainless Steel I UNF Thread: ASTM A193 BBM Class 2 1 Metric Thread: ISO 3506 A4-70 F 316 Stainless Steel I UNF Thread: ASTM A193 BBM Class 2 Metric Thread: ISO 3506 A4-70 F Scal Ring DIN EN 61518 Type A PB PTFE Graphite Graphite GB Graphite GB Screw Length M25 11/2" M40 40 rum 40 mm | | , | | | | | er | | | | | | | | | | | |
| Number of Screws and Seal Rings 2 2 Screws and 1 Seal Ring 1 4 Screws and 2 Seal rings 1 5 4 Screws and 2 Seal Ring 1 6 For 2Valve Manifolds and Oval Flanges 4 4 Screws and 1 Seal Ring 1 6 Screws and 1 Seal Ring 1 7 4 Screws and 1 Seal Ring 1 8 4 Screws and 4 Seal Rings 1 8 4 Screws and 4 Seal Rings 1 9 Carbon Steel 1 1 UNF Thread: Hex Cap Screw ASTM A449 - Type 1 1 Socket Head Cap Screw ASTM A574 1 Metric Thread: ISO 898-1 Class 8.8 3 316 Stainless Steel 1 UNF Thread: ASTM A193 BBM Class 2 1 Metric Thread: ISO 3506 A4-70 3 316 Stainless Steel 1 UNF Thread: ASTM F593 GP2 CW Seal Ring DIN EN 61518 Type B 9 PTFE 6 Graphite 6 Graphite 7 Origin EPM (FKM by ASTM) 5 716 7 M25 8 112" 7 M25 7 M25 7 M26 7 M26 7 2 3/4" (For Wafer Style M | | | ws supp | lied wit | h VVas | her | | | | | | | | | | | | |
| 2 2 Screws and 1 Seal Ring I For 2 Valve Manifolds and Oval Flanges 4 4 Screws and 2 Seal Ring I For 2 Valve Manifolds Type H2A - For Gauge/Absolute Pressure Transmitters 8 4 Screws and 4 Seal Ring I For 2 Valve Manifolds Type H2A - For Gauge/Absolute Pressure Transmitters 8 4 Screws and 4 Seal Ring I For 2 Valve Manifolds Type H2A - For Gauge/Absolute Pressure Transmitters 8 4 Screws and 4 Seal Ring I For Vafer Style Manifolds together with Oval Flanges - Screw Length 2 3/4" Material* Material* C Carbon Steel I UNF Thread: H2C Cap Screw ASTM A449 - Type 1 I Socket Head Cap Screw ASTM A574 I Metric Thread: ISO 398-1 Class 8.8 5 316 Stainless Steel I UNF Thread: ASTM A193 B8M Class 2 I Metric Thread: ISO 3506 A4-70 7 316 Stainless Steel I UNF Thread: ASTM F593 GP2 CW Screw Length DIN EN 61518 Type A 9 PTF 6 Graphite 6 Graphite 7 O-Ring FPM (FKM by ASTM) Metric Thread Metric Thread Metric Thread 25 mm Metric Thread Screw Length VINF Thread Metric Thread 25 mm 4 OIN EN 61518 Type B PTE Graphite Screw Length 11/2 | | | | | | | | | | | | | | | | | | |
| 4 4 Screws and 2 Seal rings 1 For Differential Pressure Manifolds 5 4 Screws and 1 Seal Ring 1 For 2 Valve Manifolds together with Oval Flages - Screw Length 2 3/4" 8 8 4 Screws and 4 Seal Ring 1 For Wafer Style Manifolds together with Oval Flages - Screw Length 2 3/4" Material* Carbon Steel 1 UNF Thread: Hex Cap Screw ASTM A449 - Type 1 Socket Head Cap Screw ASTM A574 Metric Thread: ISO 898-1 Class 8.8 5 316 Stainless Steel I UNF Thread: ASTM A193 BBM Class 2 Metric Thread: ISO 3506 A4-70 7 316 Stainless Steel I UNF Thread: ASTM A193 BBM Class 2 Metric Thread: ISO 3506 A4-70 7 316 Stainless Steel I UNF Thread: ASTM A193 BBM Class 2 Metric Thread: ISO 3506 A4-70 8 9 9 PTFE 9 PTFE 6 Graphite 4 O-Ring FPM (FKM by ASTM) WIF Thread OIN EN 61518 Type A 9 PTFE 6 Graphite 4 O-Ring FPM (FKM by ASTM) WIF Thread 9 1/2" 9 1/2" 9 1/2" 9 1/2" 9 1/2" 9 1/2" 9 1/2" 9 1/2" 9 1/2" 9 1/2" 9 1/2" 9 1/3" 9 1/3" 9 1/3" 9 1/3" <td>2</td> <td></td> | 2 | | | | | | | | | | | | | | | | | |
| 8 4 Screws and 4 Seal Rings 1 For Wafer Style Manifolds together with Oval Flanges - Screw Length 2 3/4" Material* C Carbon Steel 1 UNF Thread: Hex Cap Screw ASTM A449 - Type 1 1 Socket Head Cap Screw ASTM A574 1 Metric Thread: ISO 898-1 Class 8.8 S 316 Stainless Steel 1 UNF Thread: ASTM A199 B8M Class 2 1 Metric Thread: ISO 3506 A4-70 F 316 Stainless Steel 1 UNF Thread: ASTM 593 GP2 CW Seal Ring DIN EN 61518 Type A A PTFE G Graphite A O-Ring FPM (FKM by ASTM) Screw Length UNF Thread UNF Thread 1 1.12" 4 1.34" 1.34" 1.34" 1.34" 2.34" (For Wafer Style Manifold c/w Oval Flange) 30 316 (For Rosemount 2051/3051 Coplanar TM Pressure Transmitter) | | | | | | | | | | | | | | | | | | |
| Material* O O O C Carbon Steel I UNF Thread: Hex Cap Screw ASTM A449 - Type 1 I Socket Head Cap Screw ASTM A574 I Metric Thread: ISO 898-1 Class 8.8 S 316 Stainless Steel I UNF Thread: ASTM A193 88M Class 2 I Metric Thread: ISO 3506 A4-70 F 316 Stainless Steel I UNF Thread: ASTM F593 GP2 CW Seal Ring DIN EN 61518 Type A DIN EN 61518 Type B PTFE PB PTFE A Graphite GB O-Ring FPM (FKM by ASTM) GB Graphite Screw Length UNF Thread M25 25 1" M25 38 11/2" M40 40 mm 44 13/4" M45 45 mm 51 2" M50 50 mm | 5 | 4 Screws and 1 Seal Ring I For 2 Valve Manifolds Type H2A - For Gauge | /Absolu | te Pres | sure Tr | ansmitte | rs | | | | | | | | | | | |
| C Carbon Steel I UNF Thread: Hex Cap Screw ASTM A449 - Type 1 I Socket Head Cap Screw ASTM A574 I Metric Thread: ISO 898-1 Class 8.8 S 316 Stainless Steel I UNF Thread: ASTM A193 B8M Class 2 I Metric Thread: ISO 3506 A4-70 S 316 Stainless Steel I UNF Thread: ASTM F593 GP2 CW Seal Ring DIN EN 61518 Type A DIN EN 61518 Type B A PTFE Garphite GB Graphite GB Graphite GB O-Ring FPM (FKM by ASTM) TFE Screw Length M25 25 1" 11/2" M40 4 13/4" 13/4" M40 4 13/4" 5 2" 0 2" 2 3/4" (For Wafer Style Manifold c/w Oval Flange) 5 3' 3' 50 mm | 8 | 4 Screws and 4 Seal Rings For Wafer Style Manifolds together with Ova | al Flange | es - Scr | ew Ler | ngth 2 3/4 | " | | | | | | | | | | | |
| Metric Thread: ISO 898-1 Class 8.8 3 16 Stainless Steel I UNF Thread: ASTM A193 B8M Class 2 I Metric Thread: ISO 3506 A4-70 316 Stainless Steel I UNF Thread: ASTM F593 GP2 CW Seal Ring DIN EN 61518 Type A PTFE A PTFE C O-Ring FPM (FKM by ASTM) C | | Material* | | | | | | | | | | | | | | | | |
| S 316 Stainless Steel I UNF Thread: ASTM A193 B8M Class 2 I Metric Thread: ISO 3506 A4-70 F 316 Stainless Steel I UNF Thread: ASTM F593 GP2 CW Seal Ring DIN EN 61518 Type A PA PTFE GB Graphite A O-Ring FPM (FKM by ASTM) Screw Length UNF Thread Metric Thread VNF Thread Metric Thread 11/2" M40 40 mm 41 3/4" M45 2" 3/4" (For Wafer Style Manifold c/w Oval Flange) 3" (For Rosemount 2051/3051 Coplanar TM Pressure Transmitter) | С | | ocket H | lead Ca | ap Scre | w ASTM | A574 I | | | | | | | | | | | |
| Seal Ring DIN EN 61518 Type A DIN EN 61518 Type B PA PTFE PB PTFE Graphite GB Graphite O -Ring FPM (FKM by ASTM) B PTFE Screw Length Metric Thread UNF Thread Metric Thread 25 11/2" M40 40 mm 38 11/2" M40 50 mm 370 2 J/4" (For Wafer Style Manifold c/w Oval Flange) 50 mm 50 mm 371 2 J/4" (For Rosemount 2051/J051 Coplanar TM Pressure Transmitter) 50 mm 50 mm | s | | d: ISO 3 | 3506 A4 | 1 -70 | | | | | | | | | | | | | |
| DIN EN 61518 Type A DIN EN 61518 Type B A PTFE PB Graphite GB Graphite A O-Ring FPM (FKM by ASTM) GB Graphite Screw Length UNF Thread M25 25 mm 11/2" M40 40 mm 13/4" 13/4" 45 mm 13/4" (For Wafer Style Manifold c/w Oval Flange) M50 50 mm 3" (For Rosemount 2051/3051 Coplanar TM Pressure Transmitter) M50 50 mm | F | 316 Stainless Steel I UNF Thread: ASTM F593 GP2 CW | | | | | | | | | | | | | | | | |
| PA PTFE PB PTFE Graphite GB Graphite O-Ring FPM (FKM by ASTM) GB Graphite Screw Length Metric Thread UNF Thread M25 25 mm 38 1 1/2" M40 40 mm 44 1 3/4" M45 45 mm 51 2" 3/4" (For Wafer Style Manifold c/w Oval Flange) M50 50 mm 63 3/4" (For Rosemount 2051/3051 Coplanar TM Pressure Transmitter) M50 50 mm | | Seal Ring | | | | | | | | | | | | | | | | |
| GA Graphite GB Graphite O-Ring FPM (FKM by ASTM) GB Graphite Strew Length VIF Thread M25 1" M40 40 mm 11/2" M40 40 mm 13/4" 13/4" 45 mm 2 2.1" Somm 31 2.1" Somm 32 3.1" (For Wafer Style Manifold c/w Oval Flange) M50 33 (For Rosemount 2051/3051 Coplanar TM Pressure Transmitter) Somm | | DIN EN 61518 Type A | | DIN | EN 6 | 1518 Тур | e B | | | | | | | | | | | |
| FA O-Ring FPM (FKM by ASTM) Image: Security Screw Length Metric Thread 25 1" Metric Thread 25 1" M40 38 11/2" M40 41 13/4" M40 20 2" M50 21 2.3/4" (For Wafer Style Manifold c/w Oval Flange) M50 37 2.3/4" (For Rosemount 2051/3051 Coplanar TM Pressure Transmitter) M50 | | | | | | | | | | | | | | | | | | |
| Screw Length Metric Thread 25 1" M25 25 1" M25 28 11/2" M40 41 13/4" M40 29 2" M50 20 23/4" (For Wafer Style Manifold c/w Oval Flange) M50 27 70 2 3/4" (For Rosemount 2051/3051 Coplanar TM Pressure Transmitter) | | | GB | Grap | hite | | | | | | | | | | | | | |
| UNF Thread Metric Thread 25 1" M25 25 mm 38 1 1/2" M40 40 mm 44 1 3/4" 40 mm 51 2" M50 50 mm 52 3/4" (For Wafer Style Manifold c/w Oval Flange) M50 50 mm 76 3 'f (For Rosemount 2051/3051 Coplanar TM Pressure Transmitter) H50 50 mm | ~ | | | | | | | | | | | | | | | | | |
| 22 1" M25 25 mm 38 1 1/2" M40 40 mm 44 1 3/4" M45 45 mm 51 2" M50 50 mm 70 2 3/4" (For Wafer Style Manifold c/w Oval Flange) 50 mm 76 3" (For Rosemount 2051/3051 Coplanar™ Pressure Transmitter) 50 mm | | | | Mat | | unnel | | | | | | | | | | | | |
| 38 1 1/2" M40 40 mm 44 1 3/4" M45 45 mm 51 2" M50 50 mm 72 2 3/4" (For Wafer Style Manifold c/w Oval Flange) 50 mm 76 3" (For Rosemount 2051/3051 Coplanar TM Pressure Transmitter) 50 mm | 25 | | M25 | | | reau | | | | | | | | | | | | |
| 51 2" M50 50 mm 70 2 3/4" (For Wafer Style Manifold c/w Oval Flange) 50 mm 76 3" (For Rosemount 2051/3051 Coplanar™ Pressure Transmitter) | 38 | 1 1/2" | M40 | 40 m | m | | | | | | | | | | | | | |
| 2 3/4" (For Wafer Style Manifold c/w Oval Flange) 3" (For Rosemount 2051/3051 Coplanar[™] Pressure Transmitter) | | | | | | | | | | | | | | | | | | |
| 76 3" (For Rosemount 2051/3051 Coplanar TM Pressure Transmitter) | | | M50 | 50 m | m | | | | | | | | | | | | | |
| Option | | | | | | | | | | | | | | | | | | |
| | | Option | | | | | | | | | | | | | | | | |
| B Cleaned for Oxygen Service (only for PTFE Seal Ring → Carbon filled PTFE) | р | • | E) | | | | | | | | | | | | | | | |

* IEC 61518 calls for the mentioned mechanical properties (for example B8 Class 2) because the flange connection is designed for high pressure service (up to 6,000 psi) and high temperature service. The usage of screws without the defined mechanical properties is critical and may lead to a sudden component failure which could cause a fatal accident!

Accessories - Pipe Plugs, Vent Valves, Adaptors



Ordering Information - Pipe Plugs and Vent Valves

Vent Valves, Pipe Plugs and Pipe Fittings



Wetted Parts according to a.m. material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2

Ordering Information - Pipe Fittings

| | • | | 0 | | | | | | | | | | | | | |
|----|------------------------------|----------|---------------------------------------|-------|--------------------|---|---|---|---|---|---|---|---|---|----|---------|
| | | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 - 16 |
| | | | | | | F | М | S | - | М | 4 | Ν | 4 | - | В | |
| | | | | | | | | | | | | | | | | |
| FM | Female to Male Adaptor | | | | | | | | | | | | | | | |
| ΗN | | | cified in alphabetical resp. ascendin | | | | | | | | | | | | | |
| | For example H | VS-G4 | V4 (and not HNS-N4G4) resp. HN | s-G2G | 64 (and not G4G2). | | | | | | | | | | | |
| | Material | | | | | | | | | | | | | | | |
| S | 1.4401 / 1.4404 / 316 / 316L | F | Duplex UNS S31803 | В | 6Mo UNS \$31254 | | | | | | | | | | | |
| М | Alloy 400 UNS N04400 | D | Super Duplex UNS S32750 | т | Titanium Grade 2 | | | | | | | | | | | |
| н | Alloy C-276 UNS N10276 | ۷ | Alloy 625 UNS N06625 | | | | | | | | | | | | | |
| | Inlet - FM Type Female Thre | ead | | | | | | | | | | | | | | |
| | Thread Type | | Inch Size | | Metric Size | | | | | | | | | | | |
| Ν | NPT | 2 | 1/4 | 4 | M 20 × 1.5 | | | | | | | | | | | |
| G | BSP Parallel (G) – EN 837-1 | 4 | 1/2 | | | | | | | | | | | | | |
| М | Metric similar to EN 837-1 | | | | | | | | | | | | | | | |
| | Outlet | | | | | | | | | | | | | | | |
| | Thread Type | | Inch Size | | Metric Size | | | | | | | | | | | |
| Ν | NPT | 2 | 1/4 | 4 | M 20 x 1.5 | | | | | | | | | | | |
| G | BSP Parallel (G) – EN 837-1 | 4 | 1/2 | | | | | | | | | | | | | |
| М | Metric similar to EN 837-1 | | | | | | | | | | | | | | | |
| | Options - Specify in alphabe | etical o | order (digits first, then letters) | | | | | | | | | | | | | |
| В | Cleaned for Oxygen Service | | | | | | | | | | | | | | | |
| | <i>и</i> . . | | | | | | | | | | | | | | | |

L#.0 $\# \rightarrow$ Available Lengths see table above – For Hex Nipples only

Part according to a.m. material list is supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2.

Accessories – Swivel Gauge Adaptors

Swivel Gauge Adaptors

The Swivel Gauge Adaptors enable the easy positioning of the pressure instrument in any direction through 360°. The dimensions shown apply only to the illustrated components – if you need the dimensions for your individual type please contact the factory.



Ordering Information - Swivel Gauge Adaptors

| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|-------------|--|-------------|--|--------|----------|---------------------|---|---|---|---|---|---|----|----|----|----|----|----|----|
| | | | | G | S | | М | Μ | S | Р | | Ν | 4 | Ν | 4 | - | В | | |
| | | | | | | | | | | | | | | | | | | | |
| GS* GD | Swivel Gauge Adaptors – Scre Swivel Gauge Adaptors – Wire | | | | | | | | | | | | | | | | | | |
| | Inlet | | | | | | | | | | | | | | | | | | |
| М | Male | F | Female | | | | | | | | | | | | | | | | |
| | Outlet | | | | | | | | | | | | | | | | | | |
| M F | Male Female | S | Swivel Nut (GD Type – G 1/2, Op | tion C | ode G4 o | nly) | | | | | | | | | | | | | |
| | Material | | | | | | | | | | | | | | | | | | |
| S M H | 1.4401 / 1.4404 / 316 / 316L Alloy 400 UNS N04400 Alloy C-276 UNS N10276 | F D V | Duplex UNS S31803 Super Duplex UNS S32750 Alloy 625 UNS N06625 | B T | | JNS S312 um Grad | | | | | | | | | | | | | |
| | Seal Ring | | | | | | | | | | | | | | | | | | |
| P S A | PTFE (GS Type only) Same Material as threaded compo No Seal Ring required (GD Type o | | GS Type only) | | | | | | | | | | | | | | | | |
| | Inlet | | | | | | | | | | | | | | | | | | |
| N G H | Thread Type NPT BSP Parallel (G) – EN 837-1 BSP Parallel (G) – DIN 3852 (GD Type only) | 2 4 | Thread Size 1/4 1/2 | | | | | | | | | | | | | | | | |
| | Outlet | | | | | | | | | | | | | | | | | | |
| | Thread Type | | Thread Size | | | | | | | | | | | | | | | | |
| N G | NPT BSP Parallel (G) – EN 837-1 | 2 4 | 1/4 1/2 | | | | | | | | | | | | | | | | |
| | Options - Specify in alphabeti | cal oro | ler (digits first, then letters) | | | | | | | | | | | | | | | | |
| B M | Cleaned for Oxygen Service Wetted Parts with 3.1 certificate | | | | | | | | | | | | | | | | | | |

* GS Type only: NPT Threaded Options as standard.

Wetted Parts according to a.m. material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2.

Accessories – Oval Flanges, Anti-Tamper Key

Oval Flanges KF Type

Transmitter Interface EN 61518-A Code TD





Transmitter Interface EN 61518

Code T4



Ordering Information - Oval Flange (Kidney Flange, Futbol)

| | | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|----|---|-----------|---|--------|-----------------------------|--------|---|---|---|---|---|---|---|---|----|----|----|
| | | | | | | к | F | F | s | | N | 4 | т | D | | 1 | |
| | | | | | | K | • | | 5 | | | • | - | U | | | |
| | | | | | | | | | | | | | | | | | |
| KF | Oval Flange | | | | | | | | | | | | | | | | |
| | Inlet | | | | | | | | | | | | | | | | |
| F | Female | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | Material | | | | | | | | | | | | | | | | |
| S | 1.4401 / 1.4404 / 316 / 316L | F | Duplex UNS S31803 | В | 6Mo UNS \$31254 | | | | | | | | | | | | |
| М | Alloy 400 UNS N04400 | D | Super Duplex UNS S32750 | Т | Titanium Grade 2 | | | | | | | | | | | | |
| н | Alloy C-276 UNS N10276 | ۷ | Alloy 625 UNS N06625 | | | | | | | | | | | | | | |
| | Material Option S as forging, al | ll other | materials made from flat bar | | | | | | | | | | | | | | |
| | Inlet | | | | | | | | | | | | | | | | |
| | Thread Type | | Thread Size | | | | | | | | | | | | | | |
| Ν | NPT | 3 | 3/8 | | | | | | | | | | | | | | |
| Н | BSP Parallel (G) – DIN 3852 | 4 | 1/2 (NPT Thread only) | | | | | | | | | | | | | | |
| | Outlet (Flange Connection | 1) | | | | | | | | | | | | | | | |
| TD | Transmitter Interface DIN EN | 61518- | A | | | | | | | | | | | | | | |
| Т4 | Transmitter Interface DIN EN | 61518 | | | | | | | | | | | | | | | |
| | Options - Specify in alphab | oetical | order (digits first, then lette | rs) | | | | | | | | | | | | | |
| В | Cleaned for Oxygen Service (i | f order | ed with Transmitter Mounting Ki | t – On | ly with PTFE Seal Ring avai | lable) | | | | | | | | | | | |
| | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | , | , | | | | | | | | | | | |
| | | | o Manifold/Transmitter mou for Outlet Option TD and TE | | according to | | | | | | | | | | | | |
| 1 | 2 Hex Cap Screws 7/16-20 UN | NF, Cart | oon Steel ASTM A449 - Type 1, 1 | PTFE S | Seal Ring | | | | | | | | | | | | |
| 2 | 2 Hex Cap Screws 7/16-20 UN | NF, Stair | less Steel ASTM A193 B8M Cl.2, | 1 PTF | E Seal Ring | | | | | | | | | | | | |
| 3 | 2 Hex Cap Screws 7/16-20 UN | NF, Cart | oon Steel ASTM A449 - Type 1, 1 | Graph | ite Seal Ring | | | | | | | | | | | | |
| 4 | 2 Hex Cap Screws 7/16-20 UN | vF, Stair | less Steel ASTM A193 B8M Cl.2, | 1 Gra | phite Seal Ring | | | | | | | | | | | | |

Wetted Parts according to a.m. material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2.

Anti-Tamper Key ATK Type

ATK-ES Type

www.as-schneider.com



Check Valves

Check Valves CV Type

AS-Schneider Check Valves (Non-Return Valves) are designed for a cold (Working) Pressure rating of 10,000 psi (689 bar). The Check Valve allows flow in one direction only, closing when flow reverses. Should you still not find your option please contact the factory.

Features

- Soft Seated O-Rings use-d are RGD (Rapid Gas Decompression) resistant
- Cracking Pressure: < 11 psi (0.75 bar)
- Re-Seal Pressure: < 20 psi (1.38 bar)
- Temperature Rating: -50°C up to +200°C (-58°F up to +392°F), depending on seal materials used
- 100% Pressure Tested hydrostatically at 1.5 times the max. allowable (Working) Pressure (PS)
- Cv-Value: 0.3



Flow



Ordering Information - Check Valves

| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|-------------|--|-------------|--|--------|---|-------------------|---|---|---|---|---|---|---|----|----|----|----|----|
| | | | | | С | ٧ | F | F | S | К | - | Ν | 4 | Ν | 4 | - | М | |
| | | | | | | | | | | | | | | | | | | |
| CV | Check Valve | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | Inlet | | | | | | | | | | | | | | | | | |
| М | Male | F | Female | | | | | | | | | | | | | | | |
| | Outlet | | | | | | | | | | | | | | | | | |
| F | Female | | | | | | | | | | | | | | | | | |
| | Material | | | | | | | | | | | | | | | | | |
| S M H | 1.4401 / 1.4404 / 316 / 316L Alloy 400 UNS N04400 Alloy C-276 UNS N10276 | F D V | Duplex UNS S31803 Super Duplex UNS S32750 Alloy 625 UNS N06625 | B T | | UNS S3 ium Gra | | | | | | | | | | | | |
| | Seal Ring | | | | | | | | | | | | | | | | | |
| K N P | FKM – Fluorocarbon Rubber HNBR – Hydrogenated Nitrile Butae FFKM – Perfluorinated Rubber | diene F | Rubber | | | | | | | | | | | | | | | |
| | Inlet | | | | | | | | | | | | | | | | | |
| N2 N4 | 1/4 NPT 1/2 NPT | | | | | | | | | | | | | | | | | |
| | Outlet | | | | | | | | | | | | | | | | | |
| N2 N4 | 1/4 NPT 1/2 NPT | | | | | | | | | | | | | | | | | |
| | Options - Specify in alphabetica | l orde | er (digits first, then letters) | | | | | | | | | | | | | | | |
| М | Wetted Parts with 3.1 certificate | | | | | | | | | | | | | | | | | |

Wetted Parts according to a.m. material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2. Note: Check Valves which are not actuated for a period of time may initially crack at a higher pressure than above stated.

Complementary Products

Complementary Products

In this catalogue the following products are not described in detail because they are covered in catalogue AS-0201:

Gauge Protectors

Gauge Snubbers

Compact Syphons







Coil Type Syphons / Pigtail Syphons

Elbows





Technical Service Portal - Digital Valve Plate

Digital Valve Plate for Valves and Manifolds

The E Series Valves and Manifolds manufactured by the AS-Schneider Group are now marked with an unique QR-code. That QR-code provides easy access to static product information like material properties, certificates and physical dimensions via CAD drawings. It also includes operating and installation instructions or spare parts or replacement information.



If you have an AS-Schneider valve or manifold with QR-code in your hand or installed in your plant, you can now access the product information very easy. The access is straightforward:



Maintenance Benefits

All technically relevant information on the product can always be retrieved directly.

Clear planning

More straightforward planning and installation via the mechanical properties of the product.

Error-free assembly

Automated error free equipment identification at the incoming good inspection and during the field installation.

Easy and fast maintenance

Easier and faster maintenance and repair cycles. This is possible due to direct access to spare parts or replacement units.

Link to asset management tool

Operators link this information into their respective asset and operation management system.

Environmental friendly

The environmentally responsible disassembly and disposal.

Check the DVP of your valves and manifolds: www.qr4v.de



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