

Instrumentation Products

Soft Seated Needle Valves and Manifolds



Introduction

Introduction

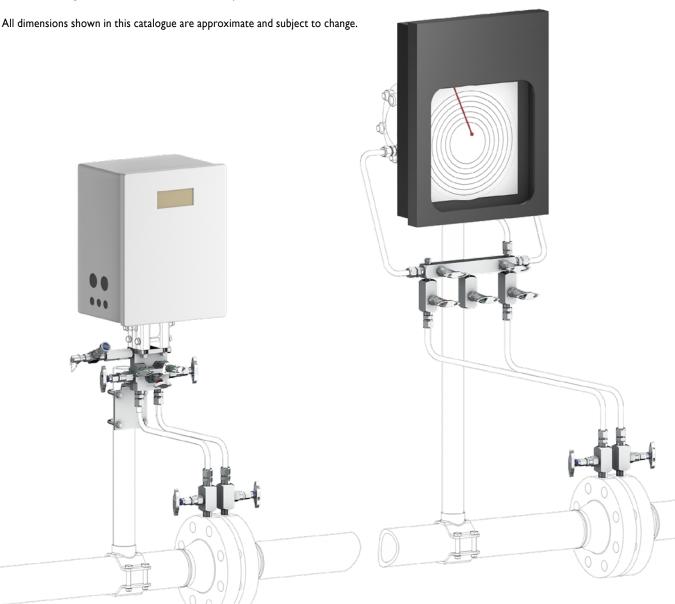
The AS-Schneider Group with its headquarters in Germany is one of the World's Leading Manufacturers of Instrumentation Valves and Manifolds. AS-Schneider offers a large variety of Valves, Manifolds and the relevant Accessories required for instrumentation installations globally.

AS-Schneider Soft Seated Valves and Manifolds are designed for maximum system reliability. AS-Schneider utilizes a field replaceable soft seat that provides premium tightness at closure, even in dirty service.

Model Number Selection can be made from a comprehensive range of body designs with a variety of connections and material options, optimizing installation and access opportunities. Many of the valves shown in this catalogue are available from stock. The dimensions shown in this catalogue apply to standard designs. If you need the dimensions for your individual type please contact the factory.

Long-term Confidence and Commitment: You can rest assured in your decision to purchase AS-Schneider – we are a modern, international family-owned company since 1875. You can rely on our 140 years of manufacturing experience. AS-Schneider is your number one choice for Tough Applications, providing Superior Quality and Outstanding Service Levels at a very Competitive Price. Our USA office and warehouse located in Houston Texas is committed to providing excellent service to our customers in the Americas.

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.



Introduction AS-Schneider

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General Features

Body Material Options

Material Group	AS Material Designation	Material Grade acc. to ASTM	Equivalent UNS-No.	Material No.	Short Name	Valves and Manifolds made from Square resp. Flat Bar	T- and H-Style Manifolds made from forged material	Chart Recorder Manifolds
Carbon Steel	Carbon Steel	A105				Standard	Standard	Standard
Austenitic	316 quadruple	316	S31600	1.4401	X5CrNiMo17-12-2	Standard	Standard	Standard
Stainless Steel	certified*	316L	S31603	1.4404	X2CrNiMo17-12-2	Standard	Standard	Standard
Nickel Based	Alloy 400		N04400	2.4360	NiCu30Fe	Optional	Optional	
Alloys	Alloy C-276		N10276	2.4819	NiMo 16 Cr 15 W	Optional	Optional	

^{*} Quadruple certified means acc. to ASTM and EN: 316 / 316L / 1.4401 / 1.4404

Standard Features

• Bore Size

- Isolate Valves: 1/4" (6.35 mm) 3/8" (9.5 mm)

- Equalize and Vent Valves: 0.138" (3.5 mm)

Soft Seat

- Isolate Valves: Cone Design (roddable)

- Equalize and Vent Valves:

- Cup Design

- Cone Design for Chart Recorder Manifolds only.

• Double O-Ring Design as standard

PTFE Packing is also available for all valve types

 5 Valve Manifolds are supplied with a bug plug in the 1/4 NPT female vent port (fitted)

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).

Pressure Test:

A shell test at 1.5 times the max. allowable (working) pressure and a seat leakage test are performed acc. to EN 12266-1 – P10, P11 and P12 respectively MSS-SP61 (and complies also with ASME B31.1 and B31.3) at every standard AS-Schneider Needle Valve / Manifold. 100% Pressure Tested!

Certification:

Certified Mill Test Report (CMTR) as Inspection certificate 3.1 acc. to EN 10 204 for valve body material and pressure test available on request.



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



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

Optional Features

Fugitive Emission Application:

For Fugitive Emission Applications please contact the factory.

Oxygen Service:

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

Pressure-Temperature Rating:

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

Not every Valve Type is available for Oxygen Service!

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

Soft Seated Valves and Manifolds are manufacturered to the following Codes and Specifications:

• ASME B31.1	Power Piping
• ASME B31.3	Process Piping
• ASME B16.34	Valves – Flanged, Threaded and Welding End
• API 598	Valve Inspection and Testing
• MSS SP-25	Standard Marking Systems for Valves, Fittings and Flange Unions
• MSS SP-61	Pressure Testing of Valves
• MSS SP-99	Instrument Valves
• MSS SP-105	Instrument Valves for Code Applications
• NACE MR0175 / ISO 15156	Petroleum and Natural Gas Industries – Materials for use in H ₂ S – Containing environments in oil and gas production

General Features AS-Schneider

Standard Soft Seat Valve Head Units / Bonnets - Cone Design

Cone Design Valve Head Unit

T Handle

Ergonomic Handle Design.

Valve Stem

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

Needle Seal

PTFE Packing or Double O-Ring

Needle

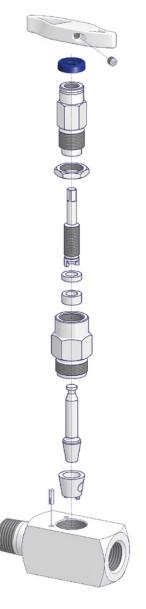
Non-rotating Needle for smooth operation and minimum wear of sealing elements.

Back Seat

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

Valve Seat

Material: ETFE, POM or PEEK Valve Seats are field replaceable



Color Coded Dust Cap

For operating thread protection:

Isolate BLUE
Vent/Test RED
Equalize GREEN

Color Coded Options

Following options are also color coded below dust cap:

Oxygen Service



TA-Luft Option



Lock Pin

Eliminates unauthorized removal of the bonnet assembly.

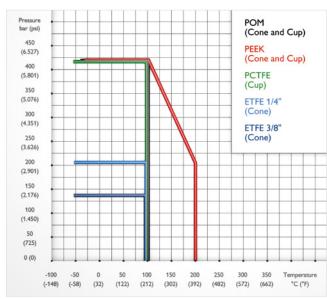
Bonnet

Bonnet-to-Body Metal Seal.

Traceability of Materials

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

Pressure-Temperature Rating (Soft Seat)



Needle / Stem Seal Material

Material	Tempe	erature
	Min.	Max.
FKM	-13°F (-25°C)	392°F (200°C)
FKM (RGD resistant)	-40°F (-40°C)	450°F (232°C)
FEPM	-4°F (-20°C)	392°F (200°C)
PTFE	-67°F (-55°C)	450°F (232°C)

Low Temperature Service down to -55° C (-67° F) — As standard for Valves with PTFE Packing and Soft Seats in ETFE resp. PCTFE only.

Temperature Limit for Body Material:

- Carbon Steel A105: -20°F (-29°C)

All other materials are limited by soft goods.

Isolate Valves Bore Size 1/4" - Head Units

Isolate Valves (Block Valves)

Bore Size 1/4" (6.35 mm) – Needle Seal: Packing Soft Seat: Cone Design

Features

- Rising Plug Valve Design
- Soft Seated Roddable Design
- Replaceable Valve Seat ETFE, POM and PEEK
- Needle Seal

Standard Packing in PTFE

or Carbon filled PTFE - TA-Luft Option

- Non-rotating Needle
- External Stem Thread Packing below stem threads.
 Stem threads are protected from process media (non-wetted).
- Stem with Cold Rolled Threads
- Blow-out Proof Needle
- Back Seat Metal to metal secondary stem seal
- Lock Pin Eliminates unauthorized removal of the bonnet
- Color Coded Dust Cap for operating thread protection
- Valve Seat in ETFE 3,000 psi (207 bar) rated.
 Valve Seat in POM and PEEK mod 6,092 psi (420 bar) rated.
- Anti-Tamper Valve Head Options available
- All Non-wetted parts in 316 Stainless Steel

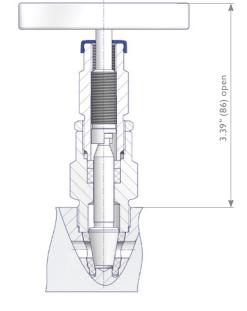
Isolate Valves (Block Valves)

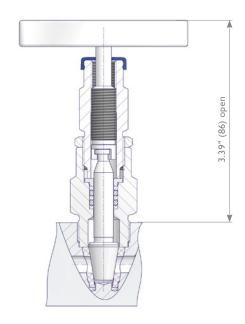
Bore Size 1/4" (6.35 mm) – Needle Seal: Double O-Ring Soft Seat: Cone Design

Features

- Needle Seal Double O-Ring in FKM (optional RGD resistant) or FEPM
- · All other features as above

Components	Carbon Steel	Stainless Steel	Exoti	c Alloys								
Components		Material / Mat	erial No.									
Body	A 105	316 / 316L	Alloy 400	Alloy C-276								
Bonnet	316 /	316L	Alloy 400	Alloy C-276								
Seat		ETFE, POM	FE, POM or PEEK									
Needle	316 /	316L	Alloy 400	Alloy C-276								
O-Ring		FKM or F	or FEPM									
Back-up Rings		Carbon fille	d PTFE									
Packing		PTFE or Carbon	filled PTFE									
Valve Stem		316 / 31	l6L									
Gland		316										
Stem Nut		316										
Lock Nut		316										
Set Screw		316										
T Handle	316											
Lock Pin		A4										





Isolate Valves Bore Size 3/8" - Head Units

Isolate Valves (Block Valves)

Bore Size 3/8" (9.5 mm) - Needle Seal: Packing Soft Seat: Cone Design

Features

- Rising Plug Valve Design
- Soft Seated Roddable Design
- Replaceable Valve Seat ETFE, POM and PEEK
- Needle Seal PTFE Packing
- Non-rotating Needle
- External Stem Thread Packing below stem threads. Stem threads are protected from process media (non-wetted).
- 6.5 turns to fully open or close the valve
- Heavy Duty Stem Threads
- Blow-out Proof Needle
- Back Seat Metal to metal secondary stem seal
- Lock Pin Eliminates unauthorized removal of the bonnet
- Color Coded Dust Cap for operating thread protection
- Valve Seat in ETFE 2.000 psi (138 bar) rated. Valve Seat in POM and PEEK mod 6,092 psi (420 bar) rated.
- Anti-Tamper Valve Head Options available
- All Non-wetted parts in 316 Stainless Steel

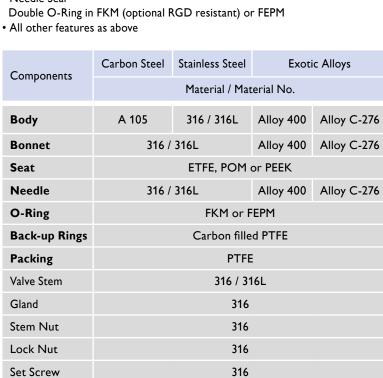
Isolate Valves (Block Valves)

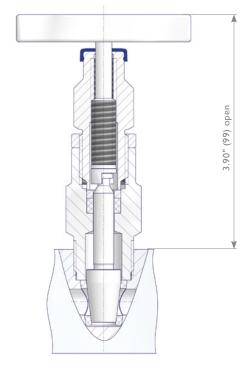
Bore Size 3/8" (9.5 mm) - Needle Seal: Double O-Ring Soft Seat: Cone Design

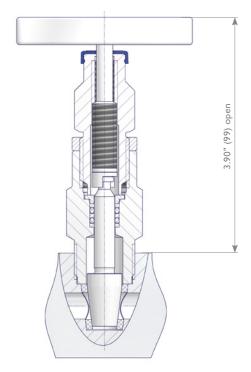
Features

- Needle Seal Double O-Ring in FKM (optional RGD resistant) or FEPM

Components	Carbon Steel	Stainless Steel	Steel Exotic Alloys								
Components		Material / Mat	erial No.								
Body	A 105	316 / 316L	Alloy 400	Alloy C-276							
Bonnet	316 /	316L	Alloy 400	Alloy C-276							
Seat		ETFE, POM	POM or PEEK								
Needle	316 /	316L	Alloy 400	Alloy C-276							
O-Ring		FKM or F	EPM								
Back-up Rings		Carbon fille	led PTFE								
Packing		PTFE	PTFE								
Valve Stem		316 / 31	I6L								
Gland		316									
Stem Nut		316									
Lock Nut		316									
Set Screw		316									
T Handle		316									
Lock Pin		A4	A4								







Standard Soft Seat Valve Head Units / Bonnets - Cup Design

Cup Design Valve Head Unit

T Handle

Ergonomic Handle Design.

Valve Stem

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

Needle Seal / Stem Seal

PTFE Packing or Double O-Ring

Needle

Non-rotating Needle for smooth operation and minimum wear of sealing elements – PTFE Packed Valve Head Unit only.

Back Seat

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

Valve Seat

Material: POM, PCTFE or PEEK Valve Seats are field replaceable

Color Coded Dust Cap

For operating thread protection:

Isolate BLUI
Vent/Test RED
Equalize GREE

Color Coded Options

Following options are also color coded below dust cap:

Oxygen Service

Lock Pin

Eliminates unauthorized removal of the bonnet assembly.

Bonnet

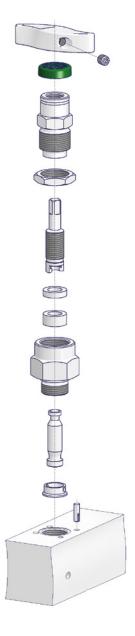
Bonnet-to-Body Metal Seal.

Traceability of Materials

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



O-Ring Sealed Valve Head Unit



PTFE Packed Valve Head Unit

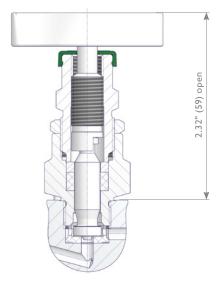
Equalize and Vent Valves – Head Units

Equalize and Vent Valves

Bore Size 0.138" (3.5 mm) – Stem Seal: Packing Soft Seat: Cup Design

Features

- Replaceable Valve Seat POM, optional PCTFE and PEEK
- Stem Seal PTFE Packing
- External Stem Thread Packing below stem threads. Stem Threads are protected from process media (non-wetted).
- 2.5 turns to fully open or close the valve
- Stem with Cold Rolled Threads
- Blow-out Proof Needle
- Back Seat Metal to metal secondary stem seal
- Lock Pin Eliminates unauthorized removal of the bonnet
- Color Coded Dust Cap for operating thread protection
- Max. allowable (Working) Pressure (PS): 6,092 psi (420 bar)



Equalize and Vent Valves

Bore Size 0.138" (3.5 mm) - Stem Seal: O-Ring Soft Seat: Cup Design

Features

- Stem Seal
- O-Ring in FKM (optional RGD resistant) or FEPM
- All other features as above

Components	Carbon Steel	Stainless Steel	Exoti	c Alloys					
Components		Material / Mat	erial No.						
Body	A 105	316 / 316L	Alloy 400	Alloy C-276					
Bonnet	316 /	316L	Alloy 400	Alloy C-276					
Seat		POM, PCTFE	FE or PEEK						
Valve Stem	316 /	316L	Alloy 400 Alloy C-276						
O-Ring		FKM or F	r FEPM						
Packing		PTFE							
Gland		316							
Stem Nut		316							
Lock Nut		316							
Set Screw		316							

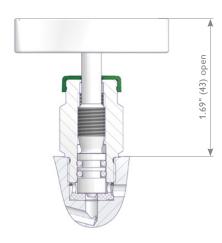
316

A4



T Handle

Lock Pin



Hand Valves

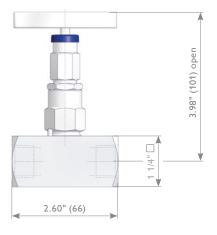
Hand Valves

AS-Schneider Hand Valves are available with a lot of options. HA Type Hand Valves are bi-directional. HX Type Hand Valves also, but the inlet is defined by the extension. We are showing on this page just the standard types. You find a lot more options on the next page – Ordering Information Hand Valves.

Bore Size: 1/4" (6.35 mm)

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



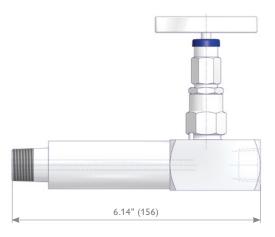
Hand Valve Male x Female Threaded HAMF Type





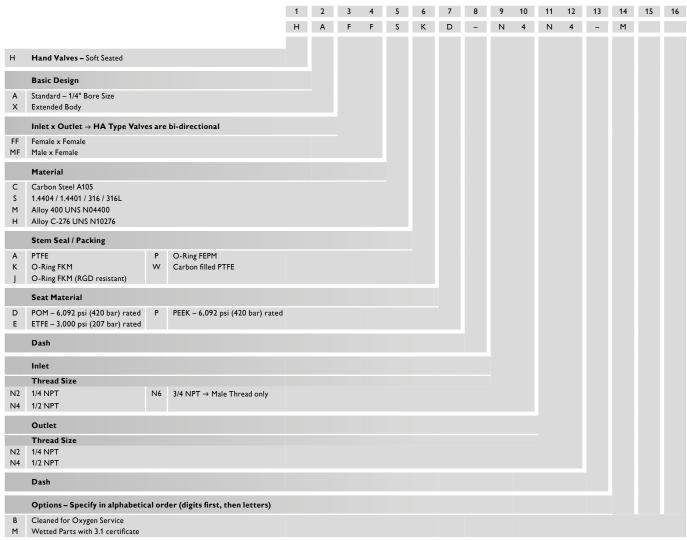
Hand Valve with Extended Body HXMF Type

Extended by approx. 3"



10 Hand Valves AS-Schneider

Ordering Information



Wetted Parts according to above mentioned material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue).

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

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Gauge Valves

Gauge Valves

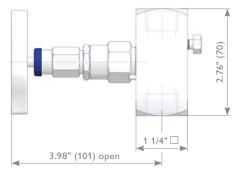
AS-Schneider Gauge Valves are designed for mounting to Pressure Gauges, Pressure Transmitters and Pressure Switches. The standard types are equipped with a bleed screw. We are showing on this page just the standard types.

Bore Size: 1/4" (6.35 mm)

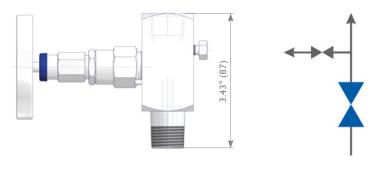
You find a lot more options on the next page – Ordering Information Gauge Valves. Accessories like Swivel Gauge Adaptors, Vent Valves etc. see Pages 27-29.

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.

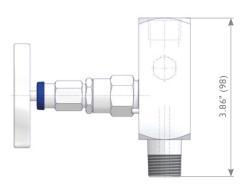
Gauge Valve Female x Female ThreadedGSFF Type



Gauge Valve Male x Female ThreadedGSMF Type



Gauge Valve Male x Female Threaded GAMF Type

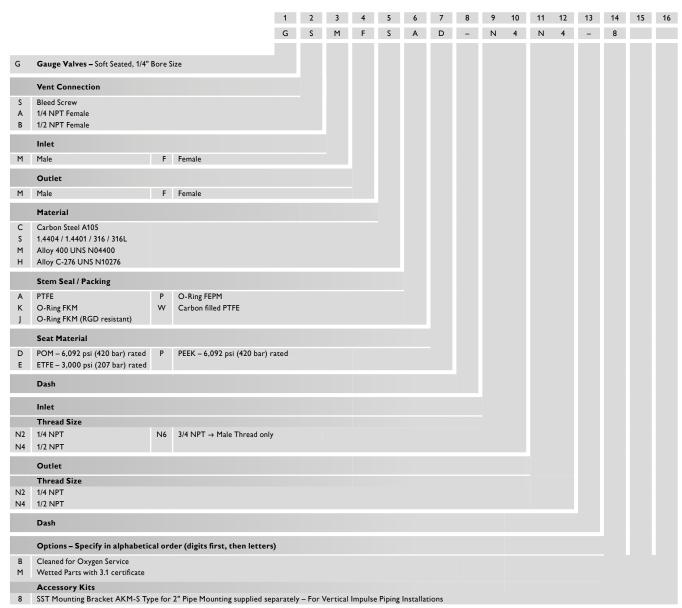


Female Threaded Vent Connection - Pipe Plug



12 Gauge Valves AS-Schneider

Ordering Information



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

www.as-schneider.com Gauge Valves 13

Multiport Gauge Valves

Multiport Gauge Valves

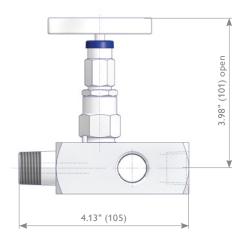
AS-Schneider Multiport Gauge Valves are designed for mounting to Pressure Gauges, Pressure Transmitters and Pressure Switches. The standard types are provided with 3 female outlet ports and are therefore suitable for vertical or horizontal installations.

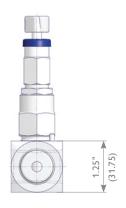
Bore Size: 1/4" (6.35 mm)

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 27-29.

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

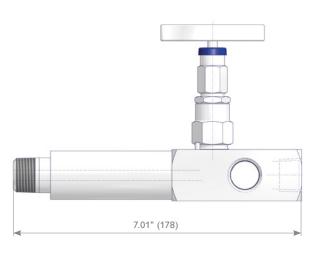


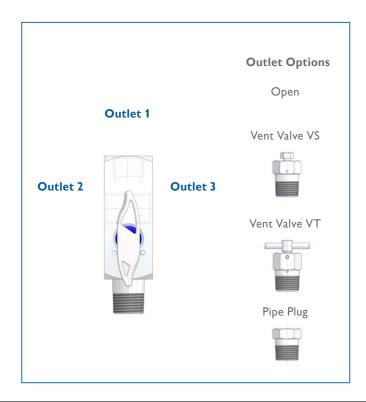




Multiport Gauge Valve with Extended Body

MXMA Type Extended by approx. 3"

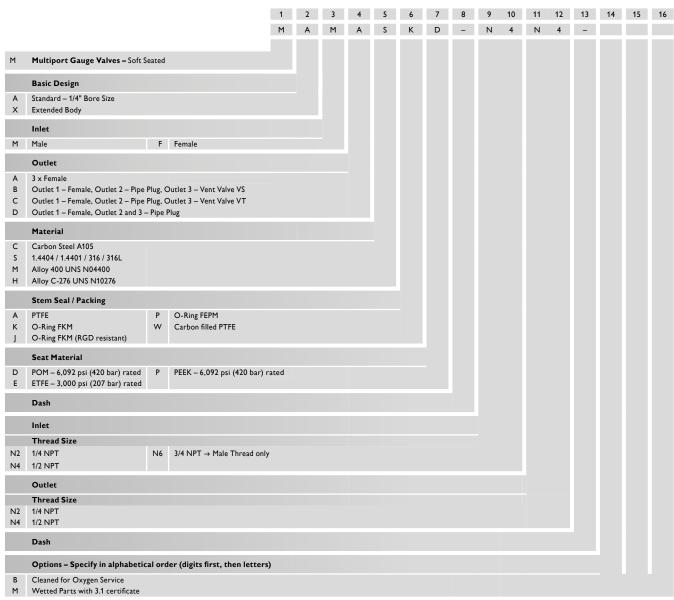




14 Multiport Gauge Valves AS-Schneider

Multiport Gauge Valves

Ordering Information



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

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3 Valve and 5 Valve Manifolds

3 Valve and 5 Valve Manifolds

AS-Schneider Soft Seated Manifolds are designed for remote installation but also for direct mounting to Differential Pressure Transmitters. The standard vent connection is 1/4 NPT female. The vent connections of 3 Valve Manifolds are plugged as well as the test ports of the 5 Valve Manifolds. The vent port of the 5 Valve Manifolds is supplied with a fitted Bug Plug as standard.

When mounting the Manifolds to ΔP Transmitters, Smart Multivariable or Flow Computer you must consider the mounting bolt lengths.

Bore Size:

Isolate Valves are roddable – Bore Size 1/4" (6.35 mm) or 3/8" (9.5 mm) Equalize and Vent Valves – Bore Size 0.138" (3.5 mm)

We are offering 3 different Manifold Styles (see also Ordering Information on Page 20):

R-Style - Remote Mounted Manifolds (Thread x Thread)

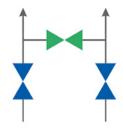
T-Style – Thread x Flange Style Manifolds

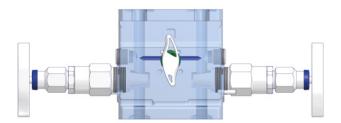
H-Style - Flange x Flange Style Manifolds

2 Valve Manifolds for Pressure Measurement see Manifolds for Ultrasonic Flow Meter Applications on Pages 24/25. Accessories like Pipe Plugs and Vent Valves respectively Mounting Bracket Kits see Pages 27-29. Should you not find your option please contact the factory.

Flow Pattern of 3 Valve Manifolds

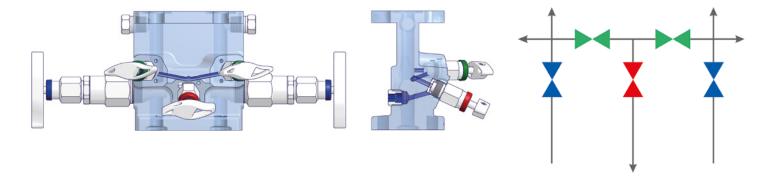








Flow Pattern of 5 Valve Manifolds



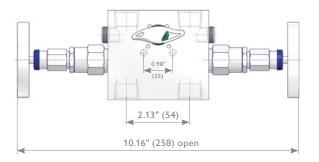
16 3 Valve and 5 Valve Manifolds AS-Schneider

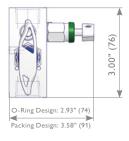
Remote Mounted Manifolds

Remote Mounted Manifolds (3 and 5 Valve Manifolds)

3 Valve Manifolds - Thread x Thread

R3A Type – 1/4" Soft Seat





3 Valve Manifolds - Thread x Thread

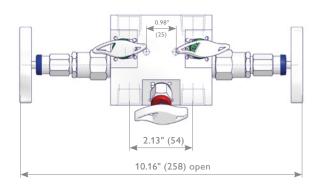
R3S Type – 3/8" Soft Seat

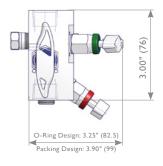




5 Valve Manifolds - Thread x Thread

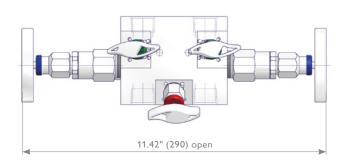
R5A Type - 1/4" Soft Seat





5 Valve Manifolds - Thread x Thread

R5S Type – 3/8" Soft Seat



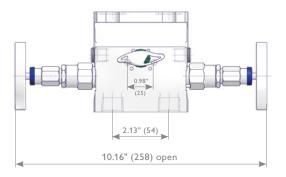


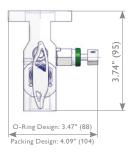
T-Style Manifolds

T-Style Manifolds (3 and 5 Valve Manifolds)

3 Valve Manifolds - Thread x Flange

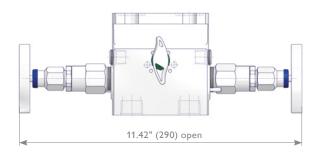
T3A Type – 1/4" Soft Seat





3 Valve Manifolds - Thread x Flange

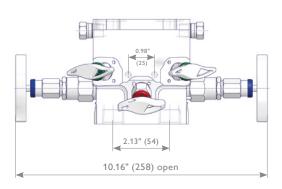
T3S Type – 3/8" Soft Seat

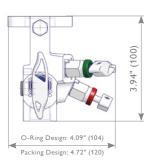




5 Valve Manifolds - Thread x Flange

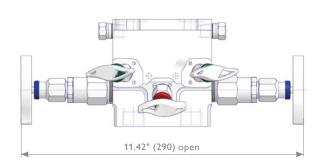
T5A Type – 1/4" Soft Seat





5 Valve Manifolds - Thread x Flange

T5S Type – 3/8" Soft Seat



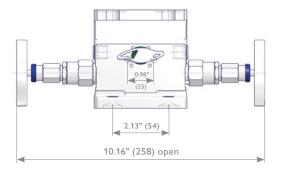


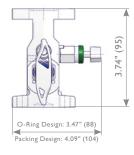
18 T-Style Manifolds AS-Schneider

H-Style Manifolds (3 and 5 Valve Manifolds)

3 Valve Manifolds - Flange x Flange

H3A Type – 1/4" Soft Seat





3 Valve Manifolds - Flange x Flange

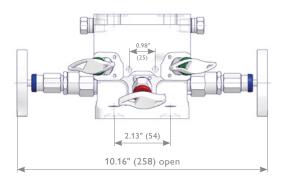
H3S Type – 3/8" Soft Seat

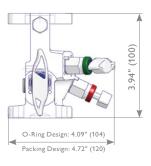




5 Valve Manifolds - Flange x Flange

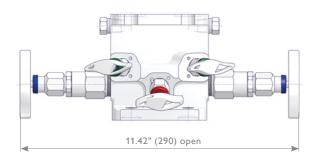
H5A Type – 1/4" Soft Seat





5 Valve Manifolds - Flange x Flange

H5S Type - 3/8" Soft Seat





3 Valve and 5 Valve Manifolds

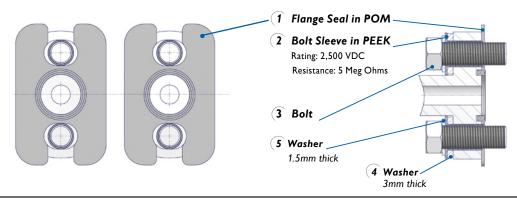
Ordering Information

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16																				
T T. Style Manifolds - Flange x Flange Quantity Bonnets 3					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
T T. Style Manifolds - Flange x Flange Quantity Bonnets 3 I Valve Manifold 5 SValve Manifold 5 SValve Manifold 6 Sign - Bore Size I solate Valves A 14" (6.25 mm) Bore Size on Itolate Valves A 14" (6.25 mm) Bore Size on Itolate Valves Dash Body Material 5 1.4404 / 1.4401 / 316 / 316L Alloy 400 LUNS N04-00 H Alloy C-22 LUNS N102/6 Stem Seal / Packing A PTEE P Q O.Ring FEPM W Carbon filled PTFE J O.Ring FKM (RGD resistant) W Carbon filled PTFE A Carbon FKM (RGD resistant) D POM x PCM - 6.092 px (14 Shar) / 3.000 px (207 axr) rated A CTE & PCM - 2.000 px (138 bar) / 3.000 px (207 bar) rated C ETFE x PCM - 2.000 px (138 bar) / 3.000 px (207 bar) rated C ETFE x PCM - 5.000 px (138 bar) / 3.000 px (207 bar) rated D P PEEX x PEEK - 6.092 px (420 bar) rated C ETFE x PCM - 5.000 px (138 bar) / 3.000 px (107 bar) rated D Diabetric lobation (for TAIS-5ys) entry) B Cleaned for Coxygen Service D Diabetric lobation (for TAIS-5ys) entry) - 0.00 yx (138 bar) / 3.000 px (107 bar) rated Accessory Kits - For Manifold to Transmitter mounting 1 Hex Head Bolts 7/16-20 UNF x 1" lg, in CS and Washers in SS, Seal Ring in PTFE - To mount Transmitters / How Computers with Traditional Flange. 1 Hex Head Bolts 7/16-20 UNF x 1" lg, in CS and Washers in SS, Seal Ring in PTFE - To mount Transmitters / How Computers with Traditional Flange. 1 Hex Head Bolts 7/16-20 UNF x 1" lg, in CS and Washers in SS, Seal Ring in PTFE - To mount Transmitters / How Computers with Traditional Flange. 2 Hex Head Bolts 7/16-20 UNF x 1" lg, and Washers in SS, Seal Ring in PTFE - To mount Transmitters / How Computers with Traditional Flange. 3 Hex Head Bolts 7/16-20 UNF x 2 14" lg, in CS and Washers in SS, Seal Ring in PTFE - To mount Transmitters / How Computers with Traditional Flange. 4 Hex Head Bolts 7/16-20 UNF x 2 14" lg, in CS and Washers in SS, Seal Ring in PTFE - To mount Transmitters / How Computers with Rosemount Coplana** Flange. 4 Hex Head Bolts 7/16-20 UNF x 2 14" lg, in CS and Washers in SS, Seal Ring in PTFE - To mo					Т	5	Α	-	S	K	В	-	1	D						
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K O-Ring FKM (RGD resistant) Seat Material – Isolate Valves x Equalize/Vent Valves A ETFE x POM – 2,000 psi (138 bar) / 3,000 psi (207 bar) rated B POM x POM – 6,092 psi (420 bar) rated C ETFE x PCTFE – 2,000 psi (138 bar) / 3,000 psi (207 bar) rated Dash Options – Specify in alphabetical order (digits first, then letters) C Cleaned for Oxygen Service D Dielectric Isolation (for T&H-Style only) – Only to be ordered with Accessory Kit Option Code 1 to 4 Wetted Parts with 3.1 certificate Accessory Kits – For Manifold to Transmitter mounting 1 Hex Head Bolts 7/16-20 UNFx 1" [g, in CS and Washers in SS, Seal Ring in PTFE – To mount Transmitters / Flow Computers with Traditional Flange. 2 Hex Head Bolts 7/16-20 UNFx 1" [g, in CS and Washers in SS, Seal Ring in PTFE – To mount Transmitters / Flow Computers with Rosemount Coplanar™ Flange. 4 Hex Head Bolts 7/16-20 UNFx 2 1/4" [g, in CS and Washers in SS, Seal Ring in PTFE – To mount Transmitters / Flow Computers with Rosemount Coplanar™ Flange. 4 Hex Head Bolts 7/16-20 UNFx 2 1/4" [g, in CS and Washers in SS, Seal Ring in PTFE – To mount Transmitters / Flow Computers with Rosemount Coplanar™ Flange. 5 FKM O-Rings for Flange Seal — Only to be ordered with Accessory Kit Option Code 1 to 4. For Example Manifold with Bolts, Washers and Seal Rings acc. to Option Code 2, but instead of PTFE Seal Ring with FKM Seal Ring add Option Code 27. NOTE: Manifolds with Dielectric Isolation supplied with additional 1/4" to bolt length.		Stem Seal / Packing																		
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Seat Material – Isolate Valves x Equalize/Vent Valves A ETFE x POM – 2,000 psi (138 bar) / 3,000 psi (207 bar) rated B POM x POM – 6,092 psi (420 bar) rated C ETFE x PCTFE – 2,000 psi (138 bar) / 3,000 psi (207 bar) rated Dash Options – Specify in alphabetical order (digits first, then letters) E Cleaned for Oxygen Service D Dielectric Isolation (for T&H-5tyle only) – Only to be ordered with Accessory Kit Option Code 1 to 4 Wetted Parts with 3.1 certificate Accessory Kits – For Manifold to Transmitter mounting Hex Head Bolts 7/16-20 UNF x 1" Ig. in CS and Washers in SS, Seal Ring in PTFE – To mount Transmitters / Flow Computers with Traditional Flange. Hex Head Bolts 7/16-20 UNF x 1" Ig. in CS and Washers in SS, Seal Ring in PTFE – To mount Transmitters / Flow Computers with Traditional Flange. Hex Head Bolts 7/16-20 UNF x 1" Ig. in CS and Washers in SS, Seal Ring in PTFE – To mount Transmitters / Flow Computers with Rosemount Coplanar Flange. Hex Head Bolts 7/16-20 UNF x 1 Ig. in CS and Washers in SS, Seal Ring in PTFE – To mount Transmitters / Flow Computers with Rosemount Coplanar Flange. Hex Head Bolts 7/16-20 UNF x 1 If Ig. in CS and Washers in SS, Seal Ring in PTFE – To mount Transmitters / Flow Computers with Rosemount Coplanar Flange. Hex Head Bolts 7/16-20 UNF x 1 If Ig. and Washers in SS, Seal Ring in PTFE – To mount Transmitters / Flow Computers with Rosemount Coplanar Flange. FKM O-Rings for Flange Seal – Only to be ordered with Accessory Kit Option Code 1 to 4. For Example Manifold with Bolts, Washers and Seal Rings acc. to Option Code 2, but instead of PTFE Seal Ring with FKM Seal Ring add Option Code 27. NOTE: Manifolds with Dielectric Isolation supplied with additional 1/4" to bolt length. Mountin Bracket Kits	K	O-Ring FKM	W	Carbon fille	d PTFE															
A ETFEx POM – 2.000 psi (138 bar) / 3.000 psi (207 bar) rated B POM x POM – 6.092 psi (420 bar) rated B POM x POM – 6.092 psi (120 bar) rated C ETFEx PCTFE – 2.000 psi (138 bar) / 3.000 psi (207 bar) rated Dash Options – Specify in alphabetical order (digits first, then letters) E Cleaned for Oxygen Service D Dielectric Isolation (for T&H-Style only) – Only to be ordered with Accessory Kit Option Code 1 to 4 Wetted Parts with 3.1 certificate Accessory Kits – For Manifold to Transmitter mounting Hex Head Bolts 7/16-20 UNF x 1" Ig. and Washers in SS, Seal Ring in PTFE – To mount Transmitters / Flow Computers with Traditional Flange. Hex Head Bolts 7/16-20 UNF x 1" Ig. and Washers in SS, Seal Ring in PTFE – To mount Transmitters / Flow Computers with Rosemount Coplanar TM Flange. Hex Head Bolts 7/16-20 UNF x 2 1/4" Ig. in CS and Washers in SS, Seal Ring in PTFE – To mount Transmitters / Flow Computers with Rosemount Coplanar TM Flange. Hex Head Bolts 7/16-20 UNF x 2 1/4" Ig. and Washers in SS, Seal Ring in PTFE – To mount Transmitters / Flow Computers with Rosemount Coplanar TM Flange. FKM O-Rings for Flange Seal – Only to be ordered with Accessory Kit Option Code 1 to 4. For Example Manifold with Bolts, Washers and Seal Rings acc. to Option Code 2, but instead of PTFE Seal Ring with FKM Seal Ring add Option Code 27. NOTE: Manifolds with Dielectric Isolation supplied with additional 1/4" to bolt length.	J	O-Ring FKM (RGD resistant)																		
3,000 psi (207 bar) rated B POM x POM – 6,092 psi (420 bar) rated P PEEK x PEEK – 6,092 psi (420 bar) rated C ETFE x PCTFE – 2,000 psi (138 bar) / 3,000 psi (207 bar) rated Dash Options – Specify in alphabetical order (digits first, then letters) E Cleaned for Oxygen Service Dielectric Isolation (for T&H-Style only) – Only to be ordered with Accessory Kit Option Code 1 to 4 Wetted Parts with 3.1 certificate Accessory Kits – For Manifold to Transmitter mounting Hex Head Bolts 7/16-20 UNFx 1" Ig. in CS and Washers in SS, Seal Ring in PTFE – To mount Transmitters / Flow Computers with Traditional Flange. Hex Head Bolts 7/16-20 UNFx 1" Ig. and Washers in SS, Seal Ring in PTFE – To mount Transmitters / Flow Computers with Traditional Flange. Hex Head Bolts 7/16-20 UNFx 1" Ig. in CS and Washers in SS, Seal Ring in PTFE – To mount Transmitters / Flow Computers with Traditional Flange. Hex Head Bolts 7/16-20 UNFx 1 1/4" Ig. and Washers in SS, Seal Ring in PTFE – To mount Transmitters / Flow Computers with Rosemount Coplanar Flange. Hex Head Bolts 7/16-20 UNFx 2 1/4" Ig. and Washers in SS, Seal Ring in PTFE* – To mount Transmitters / Flow Computers with Rosemount Coplanar Flange. FKM O-Rings for Flange Seal – Only to be ordered with Accessory Kit Option Code 1 to 4. For Example Manifold with Bolts, Washers and Seal Rings acc. to Option Code 2, but instead of PTFE Seal Ring with FKM Seal Ring add Option Code 27. NOTE: Manifolds with Dielectric Isolation supplied with additional 1/4" to bolt length. Mountin Bracket Kits		Seat Material – Isolate Valves x Equaliz	e/Ve	nt Valves																
B POM x POM - 6,092 psi (420 bar) rated C ETFE x PCTFE - 2,000 psi (138 bar) / 3,000 psi (207 bar) rated Dash Options - Specify in alphabetical order (digits first, then letters) B Cleaned for Oxygen Service D Dielectric Isolation (for T&H-Style only) - Only to be ordered with Accessory Kit Option Code 1 to 4 Wetted Parts with 3.1 certificate Accessory Kits - For Manifold to Transmitter mounting 1 Hex Head Bolts 7/16-20 UNF x 1" Ig. in CS and Washers in SS, Seal Ring in PTFE - To mount Transmitters / Flow Computers with Traditional Flange. 4 Hex Head Bolts 7/16-20 UNF x 2 1/4" Ig. in CS and Washers in SS, Seal Ring in PTFE - To mount Transmitters / Flow Computers with Rosemount Coplanar™ Flange. 4 Hex Head Bolts 7/16-20 UNF x 2 1/4" Ig. and Washers in SS, Seal Ring in PTFE - To mount Transmitters / Flow Computers with Rosemount Coplanar™ Flange. 5 Hex Head Bolts 7/16-20 UNF x 2 1/4" Ig. and Washers in SS, Seal Ring in PTFE - To mount Transmitters / Flow Computers with Rosemount Coplanar™ Flange. 6 FKM O-Rings for Flange Seal - Only to be ordered with Accessory Kit Option Code 1 to 4. For Example Manifold with Bolts, Washers and Seal Rings acc. to Option Code 2, but instead of PTFE Seal Ring with FKM Seal Ring add Option Code 27. NOTE: Manifolds with Dielectric Isolation supplied with additional 1/4" to bolt length.	Α		D	POM x PCT	FE – 6,0	092 psi	(420 ba	ır) rated	ı											
Dash Options – Specify in alphabetical order (digits first, then letters) B Cleaned for Oxygen Service Dielectric Isolation (for T&H-5tyle only) – Only to be ordered with Accessory Kit Option Code 1 to 4 Wetted Parts with 3.1 certificate Accessory Kits – For Manifold to Transmitter mounting 1 Hex Head Bolts 7/16-20 UNF x 1" Ig, in CS and Washers in SS, Seal Ring in PTFE – To mount Transmitters / Flow Computers with Traditional Flange. 2 Hex Head Bolts 7/16-20 UNF x 1" Ig, and Washers in SS, Seal Ring in PTFE – To mount Transmitters / Flow Computers with Traditional Flange. 3 Hex Head Bolts 7/16-20 UNF x 2 1/4" Ig, in CS and Washers in SS, Seal Ring in PTFE – To mount Transmitters / Flow Computers with Rosemount Coplanar™ Flange. 4 Hex Head Bolts 7/16-20 UNF x 2 1/4" Ig, and Washers in SS, Seal Ring in PTFE – To mount Transmitters / Flow Computers with Rosemount Coplanar™ Flange. 5 FKM O-Rings for Flange Seal – Only to be ordered with Accessory Kit Option Code 1 to 4. For Example Manifold with Bolts, Washers and Seal Rings acc. to Option Code 2, but instead of PTFE Seal Ring with FKM Seal Ring add Option Code 27. NOTE: Manifolds with Dielectric Isolation supplied with additional 1/4" to bolt length. Mountin Bracket Kits	В	POM x POM – 6,092 psi (420 bar) rated	Р	PEEK x PEE	K – 6,09	92 psi (420 bar) rated												
Options – Specify in alphabetical order (digits first, then letters) B Cleaned for Oxygen Service D Dielectric Isolation (for T&H-Style only) – Only to be ordered with Accessory Kit Option Code 1 to 4 Wetted Parts with 3.1 certificate Accessory Kits – For Manifold to Transmitter mounting 1 Hex Head Bolts 7/16-20 UNF x 1" Ig. in CS and Washers in SS, Seal Ring in PTFE – To mount Transmitters / Flow Computers with Traditional Flange. 2 Hex Head Bolts 7/16-20 UNF x 1" Ig. and Washers in SS, Seal Ring in PTFE* – To mount Transmitters / Flow Computers with Traditional Flange. 3 Hex Head Bolts 7/16-20 UNF x 2 1/4" Ig. in CS and Washers in SS, Seal Ring in PTFE* – To mount Transmitters / Flow Computers with Rosemount Coplanar™ Flange. 4 Hex Head Bolts 7/16-20 UNF x 2 1/4" Ig. and Washers in SS, Seal Ring in PTFE* – To mount Transmitters / Flow Computers with Rosemount Coplanar™ Flange. 5 FKM O-Rings for Flange Seal – Only to be ordered with Accessory Kit Option Code 1 to 4. For Example Manifold with Bolts, Washers and Seal Rings acc. to Option Code 2, but instead of PTFE Seal Ring with FKM Seal Ring add Option Code 27. NOTE: Manifolds with Dielectric Isolation supplied with additional 1/4" to bolt length. Mountin Bracket Kits	С																			
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Dielectric Isolation (for T&H-Style only) – Only to be ordered with Accessory Kit Option Code 1 to 4 Wetted Parts with 3.1 certificate Accessory Kits – For Manifold to Transmitter mounting Hex Head Bolts 7/16-20 UNF x 1" Ig. in CS and Washers in SS, Seal Ring in PTFE – To mount Transmitters / Flow Computers with Traditional Flange. Hex Head Bolts 7/16-20 UNF x 1" Ig. and Washers in SS, Seal Ring in PTFE* – To mount Transmitters / Flow Computers with Traditional Flange. Hex Head Bolts 7/16-20 UNF x 2 1/4" Ig. in CS and Washers in SS, Seal Ring in PTFE* – To mount Transmitters / Flow Computers with Rosemount Coplanar™ Flange. Hex Head Bolts 7/16-20 UNF x 2 1/4" Ig. and Washers in SS, Seal Ring in PTFE* – To mount Transmitters / Flow Computers with Rosemount Coplanar™ Flange. FKM O-Rings for Flange Seal – Only to be ordered with Accessory Kit Option Code 1 to 4. For Example Manifold with Bolts, Washers and Seal Rings acc. to Option Code 2, but instead of PTFE Seal Ring with FKM Seal Ring add Option Code 27. NOTE: Manifolds with Dielectric Isolation supplied with additional 1/4" to bolt length.	В		, ,			•														
Accessory Kits – For Manifold to Transmitter mounting Hex Head Bolts 7/16-20 UNF x 1" g. in CS and Washers in SS, Seal Ring in PTFE – To mount Transmitters / Flow Computers with Traditional Flange. Hex Head Bolts 7/16-20 UNF x 1" g. and Washers in SS, Seal Ring in PTFE* – To mount Transmitters / Flow Computers with Traditional Flange. Hex Head Bolts 7/16-20 UNF x 2 1/4" g. in CS and Washers in SS, Seal Ring in PTFE – To mount Transmitters / Flow Computers with Rosemount Coplanar™ Flange. Hex Head Bolts 7/16-20 UNF x 2 1/4" g. and Washers in SS, Seal Ring in PTFE* – To mount Transmitters / Flow Computers with Rosemount Coplanar™ Flange. FKM O-Rings for Flange Seal – Only to be ordered with Accessory Kit Option Code 1 to 4. For Example Manifold with Bolts, Washers and Seal Rings acc. to Option Code 2, but instead of PTFE Seal Ring with FKM Seal Ring add Option Code 27. NOTE: Manifolds with Dielectric Isolation supplied with additional 1/4" to bolt length. Mountin Bracket Kits		, 6	nly to	be ordered w	ith Acc	essory	Kit Opt	ion Cod	e 1 to 4											
Hex Head Bolts 7/16-20 UNF x 1" Ig. in CS and Washers in SS, Seal Ring in PTFE − To mount Transmitters / Flow Computers with Traditional Flange. Hex Head Bolts 7/16-20 UNF x 1" Ig. and Washers in SS, Seal Ring in PTFE* − To mount Transmitters / Flow Computers with Traditional Flange. Hex Head Bolts 7/16-20 UNF x 2 1/4" Ig. in CS and Washers in SS, Seal Ring in PTFE − To mount Transmitters / Flow Computers with Rosemount Coplanar™ Flange. Hex Head Bolts 7/16-20 UNF x 2 1/4" Ig. and Washers in SS, Seal Ring in PTFE* − To mount Transmitters / Flow Computers with Rosemount Coplanar™ Flange. FKM O-Rings for Flange Seal − Only to be ordered with Accessory Kit Option Code 1 to 4. For Example Manifold with Bolts, Washers and Seal Rings acc. to Option Code 2, but instead of PTFE Seal Ring with FKM Seal Ring add Option Code 27. NOTE: Manifolds with Dielectric Isolation supplied with additional 1/4" to bolt length. Mountin Bracket Kits	М	Wetted Parts with 3.1 certificate																		
Hex Head Bolts 7/16-20 UNF x 1" Ig. in CS and Washers in SS, Seal Ring in PTFE − To mount Transmitters / Flow Computers with Traditional Flange. Hex Head Bolts 7/16-20 UNF x 1" Ig. and Washers in SS, Seal Ring in PTFE* − To mount Transmitters / Flow Computers with Traditional Flange. Hex Head Bolts 7/16-20 UNF x 2 1/4" Ig. in CS and Washers in SS, Seal Ring in PTFE − To mount Transmitters / Flow Computers with Rosemount Coplanar™ Flange. Hex Head Bolts 7/16-20 UNF x 2 1/4" Ig. and Washers in SS, Seal Ring in PTFE* − To mount Transmitters / Flow Computers with Rosemount Coplanar™ Flange. FKM O-Rings for Flange Seal − Only to be ordered with Accessory Kit Option Code 1 to 4. For Example Manifold with Bolts, Washers and Seal Rings acc. to Option Code 2, but instead of PTFE Seal Ring with FKM Seal Ring add Option Code 27. NOTE: Manifolds with Dielectric Isolation supplied with additional 1/4" to bolt length. Mountin Bracket Kits		Accessory Kits - For Manifold to Tra	nsmit	ter mounti	ng															
Hex Head Bolts 7/16-20 UNF x 2 1/4" Ig. in CS and Washers in SS, Seal Ring in PTFE − To mount Transmitters / Flow Computers with Rosemount Coplanar™ Flange. Hex Head Bolts 7/16-20 UNF x 2 1/4" Ig. and Washers in SS, Seal Ring in PTFE* − To mount Transmitters / Flow Computers with Rosemount Coplanar™ Flange. FKM O-Rings for Flange Seal − Only to be ordered with Accessory Kit Option Code 1 to 4. For Example Manifold with Bolts, Washers and Seal Rings acc. to Option Code 2, but instead of PTFE Seal Ring with FKM Seal Ring add Option Code 27. NOTE: Manifolds with Dielectric Isolation supplied with additional 1/4" to bolt length. Mountin Bracket Kits	1	· · · · · · · · · · · · · · · · · · ·			_	g in PT	FE – To	mount	Transmi	tters / F	low Co	mputers	with T	raditiona	al Flange	е.				
Hex Head Bolts 7/16-20 UNF x 2 1/4" Ig. and Washers in SS, Seal Ring in PTFE* – To mount Transmitters / Flow Computers with Rosemount Coplanar™ Flange. FKM O-Rings for Flange Seal – Only to be ordered with Accessory Kit Option Code 1 to 4. For Example Manifold with Bolts, Washers and Seal Rings acc. to Option Code 2, but instead of PTFE Seal Ring with FKM Seal Ring add Option Code 27. NOTE: Manifolds with Dielectric Isolation supplied with additional 1/4" to bolt length. Mountin Bracket Kits		Hex Head Bolts 7/16-20 UNF x 1" Ig. and W	/asher	s in SS, Seal R	ing in P	TFE* –	To mou	nt Trans	mitters	/ Flow 0	Comput	ers with	Traditi	onal Flar	ige.					
FKM O-Rings for Flange Seal – Only to be ordered with Accessory Kit Option Code 1 to 4. For Example Manifold with Bolts, Washers and Seal Rings acc. to Option Code 2, but instead of PTFE Seal Ring with FKM Seal Ring add Option Code 27. NOTE: Manifolds with Dielectric Isolation supplied with additional 1/4" to bolt length. Mountin Bracket Kits		-				_												è.		
For Example Manifold with Bolts, Washer's and Seal Rings acc. to Option Code 2, but instead of PTFE Seal Ring with FKM Seal Ring add Option Code 27. NOTE: Manifolds with Dielectric Isolation supplied with additional 1/4" to bolt length. Mountin Bracket Kits		-			_				ransmitt	ers / Flo	w Com	puters v	with Ro	semount	Coplar	nar™ Fla	nge.			
Mountin Bracket Kits	7								to Opti	on Code	e 2, but i	instead	of PTFE	Seal Rin	g with I	FKM Sea	al Ring a	dd Optic	on Code	e 27.
		NOTE: Manifolds with Dielectric Isolation	upplie	ed with addition	onal 1/4	to bo	lt length													
		Mountin Bracket Kits																		
	8		' Pipe	Mounting sup	plied se	eparate	ely – Fo	Rand	T-Style l	Manifold	ds									
9 SST Mounting Bracket AKM-U Type for 2" Pipe Mounting supplied separately – For H-Style Manifolds incl. Spacer	9																			

^{*}Bolt Material S.S. = 316 Stainless Steel I ASTM F593 GP2 CW

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

Dielectric Isolation Kit



20 3 Valve and 5 Valve Manifolds AS-Schneider

Equalizer Manifolds (3 Valve Manifolds)

AS-Schneider Equalizer Manifolds (Double Equalize and 1 \times Vent) are designed for direct mounting to Differential Pressure Transmitters. The standard vent connection is 1/4 NPT female. The test/calibration ports 1/4 NPT female are plugged.

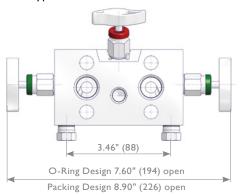
Bore Size:

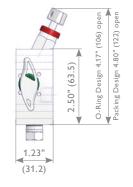
Process to instrument connection - Bore Size 3/8" (9.5 mm) I Equalize and Vent Valves - Bore Size 0.138" (3.5 mm)

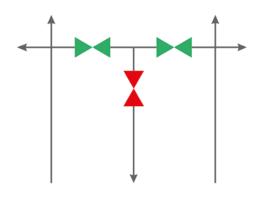
Accessories like Pipe Plugs and Vent Valves etc. see also Pages 27-29. Should you not find your option please contact the factory.

Equalizer Manifolds

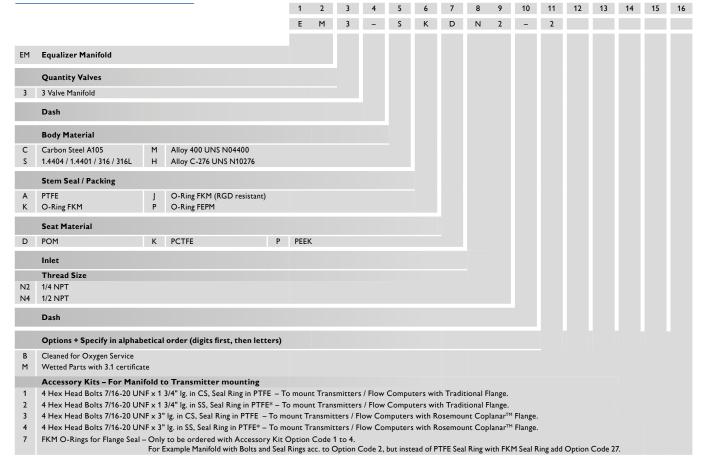
EM3 Type







Ordering Information



^{*}Bolt Material S.S. = 316 Stainless Steel I ASTM F593 GP2 CW

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

www.as-schneider.com ______Equalizer Manifolds 21

Chart Recorder Manifolds

Chart Recorder Manifolds (3 and 5 Valve Manifolds)

AS-Schneider Chart Recorder Manifolds are designed for the calibration of chart recorders on natural gas pipelines.

Two main types are available:

- 3 Valve Manifolds Double Equalize and Vent and
- 5 Valve Manifolds Double Isolate / Double Equalize / Vent

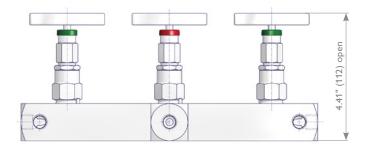
The standard vent connection is 1/4 NPT female. The test/calibration ports 1/4 NPT female are plugged.

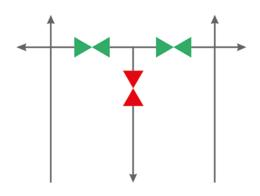
Bore Size: 1/4" (6.35 mm)

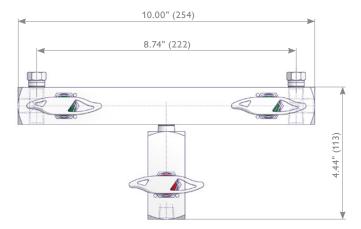
Accessories like Pipe Plugs and Vent Valves etc. see also Pages 27-29. Should you not find your option please contact the factory.

3 Valve Manifold

Available with PTFE Packing or Double O-Ring Needle Seal





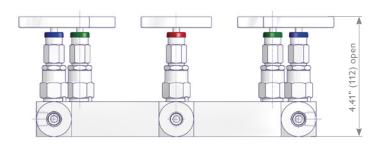


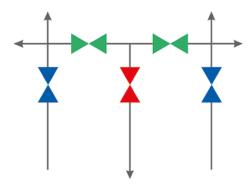
22 Chart Recorder Manifolds AS-Schneider

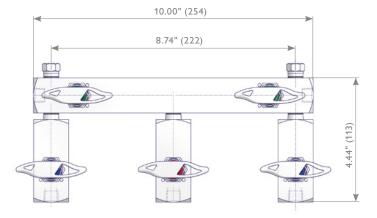
Chart Recorder Manifolds

5 Valve Manifold

Available with PTFE Packing or Double O-Ring Needle Seal







Ordering Information

					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
					С	R	3	-	S	Α	D	-								
CR	Chart Recorder Manifold																			
	Quantity Valves																			
3	3 Valve Manifold																			
5	5 Valve Manifold																			
	Dash																			
	Body Material																			
С	Carbon Steel A105																			
S	1.4404 / 1.4401 / 316 / 316L																			
	Stem Seal / Packing																			
Α	PTFE	J	O-Ring FKM (RGD resistant)																	
K	O-Ring FKM	Р	O-Ring FEPM																	
	Seat Material																			
D	POM –	Е	ETFE -	Р	PEEK															
	6,092 psi (420 bar) rated		3,000 psi (207 bar) rated		6,092	2 psi (4	20 bar)	rated												
	Dash																			
	Options – Specify in alphab	etical	order (digits first, then lette	ers)																
В	Cleaned for Oxygen Service																			
М	Wetted Parts with 3.1 certificate	te																		

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

www.as-schneider.com Chart Recorder Manifolds 23

Manifolds for Ultrasonic Flow Meter Applications

Block & Bleed Manifolds - Flanged and Threaded Style

The following AS-Schneider Block & Bleed Manifolds are designed for a close coupled installation to Ultrasonic Flow Meters. The manifolds are supplied with stabilizer shoe as standard.

Two main types are available:

- Flanged Style Multiport Type (3 outlet ports): 1 Flange Connection 2 1/2 NPT Female Rod Out Port plugged and
 - 3 1/4 NPT Female Vent/Calibrate Port 4 Stabilizer Shoe
- Threaded Style Multiport Type (3 outlet ports): 3 Outlet Ports 1/2 NPT Female. Pipe Plugs / Vent Valves to be ordered separately.

The standard bleed/vent connection is 1/4 NPT female. To plug the vent ports use Option Code A.

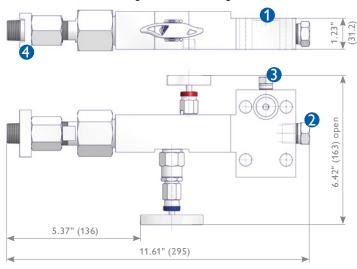
Bore Size: Isolate Valves are roddable: Bore Size 1/4" (6.35 mm) | Vent Valves: Bore Size 0.138" (3.5 mm)

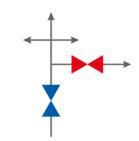
Clearance of Process Connection to Transmitter = approx. 8"

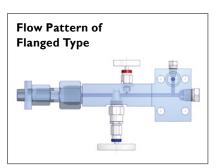
Both Manifold Styles are supplied with a stabilizer shoe. Accessories like Pipe Plugs, Vent Valves, Swivel Gauge Adaptors and Mini Valves see also Pages 27-29 or Catalogue AS-2601 respectively AS-4303. Should you not find your option please contact the factory.

Block & Bleed Manifold - Flanged Style

Available with PTFE Packing or Double O-Ring Needle Seal

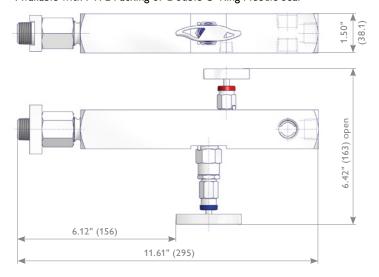


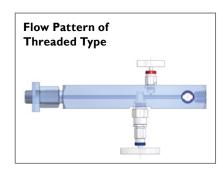




Block & Bleed Manifold - Threaded Style

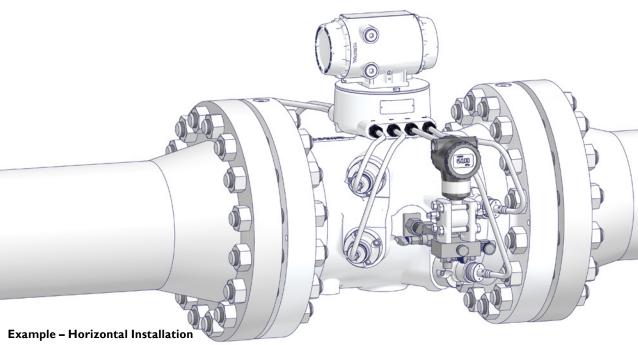
Available with PTFE Packing or Double O-Ring Needle Seal





Manifolds for Ultrasonic Flow Meter Applications

INSTALLATION OF FLANGED TYPE BLOCK & BLEED MANIFOLDS



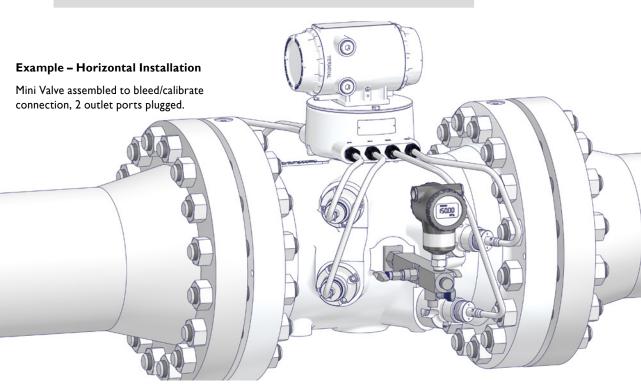
2 Mini Valves assembled to bleed/vent and vent/calibrate connections.

Example - Vertical Installation

Mini Valve assembled to bleed/calibrate connection, 2 outlet ports plugged.



INSTALLATION OF THREADED TYPE BLOCK & BLEED MANIFOLDS



Manifolds for Ultrasonic Flow Meter Applications

Ordering Information

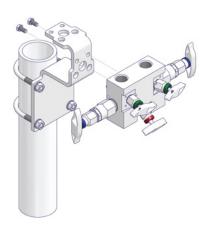
						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
						U	2	Т	-	S	Α	В	N	4	-						
U	Manifolds for Ultrasonic Fl	ow M	leter App	plications																	
	Quantity Bonnets																				
2	2 Valve Manifold																				
	Manifold Design																				
T F	Threaded Style Flanged Style																				
	Dash																				
	Body Material																				
S M	1.4404 / 1.4401 / 316 / 316L Alloy 400 UNS N04400		H	H Alloy C	:-276 UNS	N10276															
	Stem Seal / Packing																				
Α	PTFE	Р	O-Ring	FEPM																	
K J	O-Ring FKM O-Ring FKM (RGD resistant)	W	Carbon	filled PTFE																	
	Seat Material																				
Α	ETFE x POM –	С		PCTFE -	. P		X × PEEI														
В	3,000 psi (207 bar) rated POM x POM – 6,092 psi (420 bar) rated	D	POM x	osi (207 bar) PCTFE– osi (420 bar)		6,09	'2 psi (4	20 bar) r	ated												
	Inlet																				
	Thread Size																				
N4	1/2 NPT Male																				
	Dash																				
	Options – Specify in alphab	etica	ıl order (digits first,	then lette	ers)															
Α	Vent Port Plugged																				
B	Cleaned for Oxygen Service Dielectric Isolation (for Flang	rod Cr	vla ankı)	Only to be	ordorod.	with Ass	0000000	Vit Onti	on Code	1 +0 4											
М	Wetted Parts with 3.1 certifica		yie only)	- Only to be	ordered	WILLI ACC	essory	ки Ори	on Code	1 10 4											
W	Without Stabilizer Shoe																				
	Accessory Kits for Flange	d Sty	le M ani	folds - For	Manifold	to Tran	smitte	er moun	ting												
1	Hex Head Bolts 7/16-20 UNF	× 1 3/	4" Ig. and	Washers in	SS, Seal Rir	g in PTF		mount T								bolt lene	eth = 2"	lg.			
2	Hex Head Bolts 7/16-20 UNF	× 1 3/	4" Ig. and	Washers in	SS, Seal Rir	g in PTF	E* – To		ransmitt	ers / Flo	w Comp	puters w	vith Trac	ditional	Flange.			-			
3	Hex Head Bolts 7/16-20 UNF	× 3 1/	'4" Ig. and	Washers in S	SS, Seal Rir	g in PTF	E – To	mount T	ransmitt	ers / Flo	w Com	puters w	vith Ros	emount	Coplan	ar™ Flan	ge.		(3 1/4" Iş	ŗ.).	
4	For this Application the Bolt Length for Manifolds with or without Dielectric Isolation are identical (3 1/4" lg.). Hex Head Bolts 7/16-20 UNF x 3 1/4" lg. and Washers in SS, Seal Ring in PTFE* – To mount Transmitters / Flow Computers with Rosemount Coplanar™ Flange. For this Application the Bolt Length for Manifolds with or without Dielectric Isolation are identical (3 1/4" lg.).																				
7	FKM O-Rings for Flange Seal -			dered with A Manifold with					to Optic	on Code	2, but i	nstead o	of PTFE	Seal Rin	g with F	KM Seal	Ring ad	ld Optio	n Code	27.	

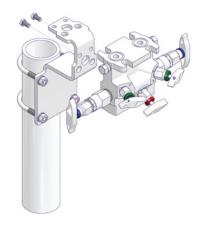
 $^{^{*}}$ Bolt Material S.S. = 316 Stainless Steel I ASTM F593 GP2 CW

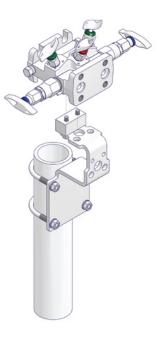
Wetted Parts according to above mentioned material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue). Note: Not every configuration which can be created in the ordering information is feasible / available.

Mounting Bracket Kits

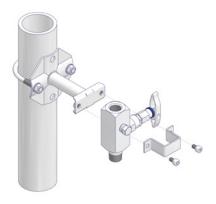
AKM-U Type - For Horizontal and Vertical Tube Run Installations For Manifolds Type H, R and T







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

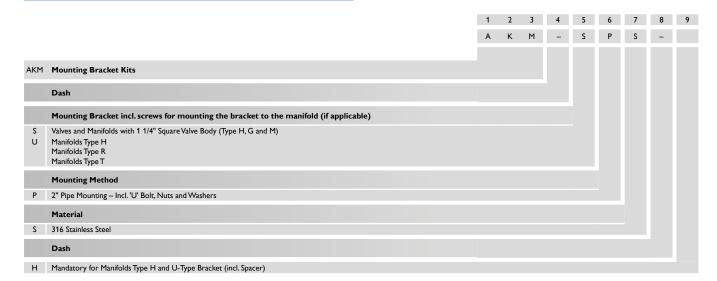


Mounting Bracket Kit

Mounting Bracket Kits are containing:

- Mounting Bracket
- 'U' Bolts*
- Washers 8.4*
- Hexagon Nuts M8*
- Screws and Cups for Mounting the Manifold to the Bracket -

Ordering Information



Accessories 27 www.as-schneider.com

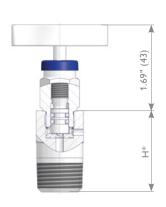
^{*} Amount depending on bracket type. See illustrations.

Accessories

Bleeder Valves

O-Ring Sealed Valve Head Unit

PTFE Packed Valve Head Unit









Soft Seated

ed Metal Seated

* Dimension	Bleeder Valve	Connection
. Dimension	1/4 NPT	1/2 NPT
Н	1.18" (30)	1.50" (38)

Ordering Information

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
		٧	В	М	S	K	D	_	N	4	_	М					
VB	Bleeder Valves																
	Connection																
M	Male																
	Material																
S	1.4404 / 1.4401 / 316 / 316L																
М	Alloy 400 UNS N04400																
Н	Alloy C-276 UNS N10276																
	Bonnet Seal / Packing																
Α	PTFE Packing																
K	O-Ring FKM																
J P	O-Ring FKM (RGD resistant) O-Ring FEPM																
	Seat Material																
D K	POM PCTFE																
M	Metal to Metal (Integral)																
Р	PEEK																
	Dash																
	Threaded Connection																
N2	1/4 NPT																
N4	1/2 NPT																
	Dash																
	Options – Specify in alphabetical order (digits first, then letters)																
В	Cleaned and Lubricated for Oxygen Service																
M	Wetted Parts with Certified Mill Test Report (CMRT) as 3.1 certificate ac	c. to El	N 1020	4													
W Y	Round Handle in Stainless Steel Round Handle in Aluminium																
	Round Handle in Aluminium																

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

28 Accessories AS-Schneider

Vent Valves, Pipe Plugs and Pipe Fittings

Please see Ordering Information in our Catalogue 'AS-2601 I E Series Valves and Manifolds'.

Swivel Gauge Adapters



Vent Valves



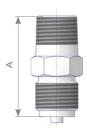
Pipe Plugs



Female to Male Adapters



Hex Nipples

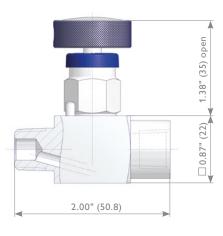


Thread Size	A (Available Lengths)					
	1.50" (38.1 mm)	1.75" (44.5 mm)	2.00" (50.4 mm)	3.00" (76.2 mm)	4.00" (101.6 mm)	
N2, G2	Standard		L2.0			
N4, G4, M4			Standard	L3.0	L4.0	
Combination of #2 and #4		Standard	L2.0	25.0	21.0	

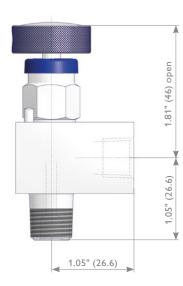
Test and Calibration Mini Valves

Please see Ordering Information in our Catalogue 'AS-4303 I Mini Valves and Rupture Disc Holders'.

Straight Pattern



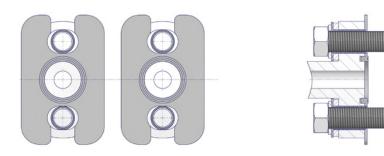
Angle Pattern



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Spare Parts

Dielectric Isolation Kits



AS-Schneider is providing the following Dielectric Isolation Kits (always supplied as pair: 2 Dielectric Flange Seals, 4 Bolts, 4 Washers and 4 Bolt Sleeves):

To mount a Manifold Type H & T to a:	Part Number				
Transmitter/Flow Computer with Traditional Flange					
Dielectric Kit w/CS Bolts (1 1/4" lg.) and 316 SS Washers	DEK-02C				
Dielectric Kit w/316 SS Bolts (1 1/4" lg.) and 316 SS Washers	DEK-02F				
Transmitter/Flow Computer with Rosemount Coplanar™ Flange					
Dielectric Kit w/CS Bolts (2 1/2" lg.) and 316 SS Washers	DEK-03C				
Dielectric Kit w/316 SS Bolts (2 1/2" lg.) and 316 SS Washers	DEK-03F				
To mount a Flanged Style Block & Bleed Manifold for Ultrasonic Flow Meter Applications to a:	Part Number				
Transmitter/Flow Computer with Traditional Flange					
Dielectric Kit w/CS Bolts (2" lg.) and 316 SS Washers	DEK-04C				
Dielectric Kit w/316 SS Bolts (2" lg.) and 316 SS Washers	DEK-04F				
Transmitter/Flow Computer with Rosemount Coplanar™ Flange					
Dielectric Kit w/CS Bolts (3 1/4" lg.) and 316 SS Washers	DEK-05C				
Dielectric Kit w/316 SS Bolts (3 1/4" lg.) and 316 SS Washers	DEK-05F				

Flange Seal Rings and Valve Seats

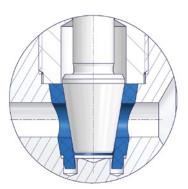
Components	Material	Part Number
Flange Seal Ring for Stabilized Connectors	PTFE	S006.23.351.08
and Manifolds	FKM	531044
	ETFE	S007.01.350.1105
Valve Seats – Isolate Valves (Block Valves) – 3/8" (9.5 mm) Bore Size – Cone Design	POM	S007.01.350.1101
	PEEK	S007.01.350.1104
	ETFE	S007.01.350.0605
Valve Seats – Isolate Valves (Block Valves) – 1/4" (6.35 mm) Bore Size – Cone Design	POM	S007.01.350.0601
(0.00) 20.00.20 20.00 20.00	PEEK	S007.01.350.0604
	POM	S007.01.350.0801
Valve Seats – Equalize and Vent Valves – 0.138" (3.5 mm) Bore Size – Cup Design	PCTFE	S007.01.350.0803
	PEEK	S007.01.350.0804

30 Spare Parts AS-Schneider

Comparison of AS-Schneider's Soft Seated Valve Options

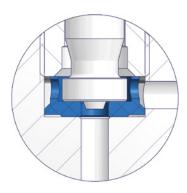
Comparison of AS-Schneider's Soft Seated Valve Options

Soft Seat - Cone Design



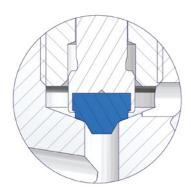
- Bore Size 1/4" (6.35 mm) and 3/8" (9.5 mm)
- Seat Material: ETFE, POM, PEEK
- Straight-Through Design → Fully Roddable for easy cleaning if used in dirty service
- Bi-directional Flow
- · Field Replaceable

Soft Seat - Cup Design



- Bore Size 0.138" (3.5 mm)
- Seat Material: PCTFE, POM, PEEK
- Field Replaceable
- · Small in size but big on pressure load

Soft Tip Design



- Bore Size 0.197" (5 mm)
- Tip Material: PCTFE, POM
- Same Valve Body as for all E Series Metal Seated Valves and Manifolds



Needle Valves with Soft Tip

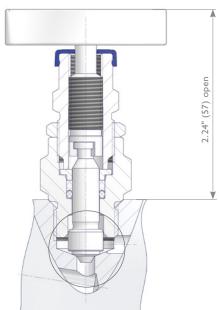
Bore Size 0.197" (5.0 mm) - Needle Seal: PTFE Packing or O-Ring

Features

- Integral Valve Seat
- · Needle Seal
- PTFE Packing or
- O-Rings in FKM (optional RGD resistant) or EPDM
- Soft Tip PCTFE or POM
- Non-rotating Needle
- External Stem Thread Packing below stem threads. Stem Threads are protected from process media (non-wetted).
- 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 6,092 psi (420 bar) rated
- Anti-Tamper Valve Head Options available
- All non-wetted parts in 316 stainless steel

Valve Head Units with Soft Tip are specified in Catalogue 'AS-2601 I E Series Valves and Manifolds'.







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