

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

Body Material Options

Material Group	AS Material Designation	Material No.	Short Name	Equivalent UNS-No.	Material Grade acc. to ASTM	E Series Needle Valves and Manifolds
Carlas Grad	A105				A105	Optional
Carbon Steel	LF2				LF2	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	Short Name UNS-No. acc. to ASTM Image: Ima	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	A105OptionalLF2OptionalS31600316S31603316LS31603316LS31254StandardS31803F51S32750F53StandardN04400StandardN10276Standard	Standard	
	Alloy 825	2.4858	NiCr21Mo	N08825		Optional
Titanium	Titanium Grade 2	3.7035	Ti-II	R50400		Optional

* 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
- 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 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	

DILLE
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

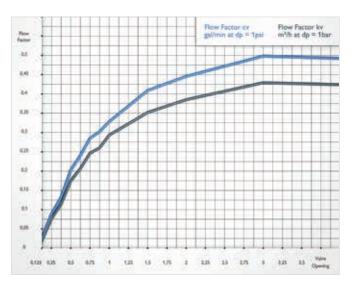
Metal to Metal Seal to Valve Body.

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 Needle Valves

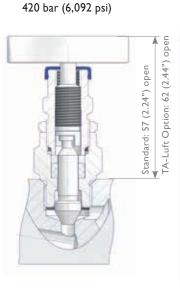
Screwed Bonnet - Stem Seal: Packing

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

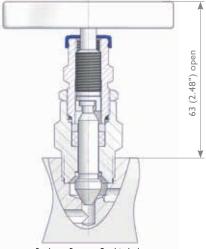
Color Coded Options

- 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



Standard Design

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
 Oxygen Service
 TA-Luft Option

Components	Material / Material No. 316 / 316L Alloy 400 Alloy C-276 Duplex UNS S32750 UNS S32760 Alloy 625 6Mo Titaniu 316 / 316L OTFFE or Graphite 316															
Components				Mate	rial / Material N	lo.										
Body	316 / 316L Alloy 400 Alloy C-276 Duplex UNS S32750 UNS S32760 Alloy 625 6Mo Titanium															
Bonnet	244 / 2441	Alley 400	Material / Material No. 400 Alloy C-276 Duplex UNS S32750 UNS S32760 Alloy 625 6Mo Titar 316 / 316L STFE or Graphite 316 316 316 316 316													
Needle	316/316L	Alloy 400	Alloy C-276	Material / Material No. C-276 Duplex UNS \$32750 UNS \$32760 Alloy 625 6Mo Tital 316 / 316L STFE or Graphite STE 316 316 316 316 316 316 316 316 316 316 316 316 316 316 316 316 316 316												
Pipe Plug			Material / Material No. Material No													
Valve Stem		316 / 316L 316 PTFE or Graphite 316														
Gland	316															
Packing	316															
Stem Nut					316											
Lock Nut					316											
Set Screw					316											
T Handle					316											
Lock Pin					A4 (316)											

Wetted components listed in **bold**.

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



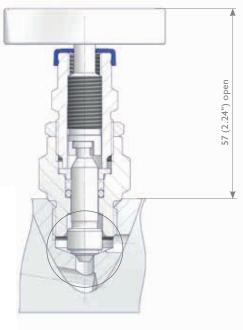
Screwed Bonnet - O-Ring Stem Seal

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









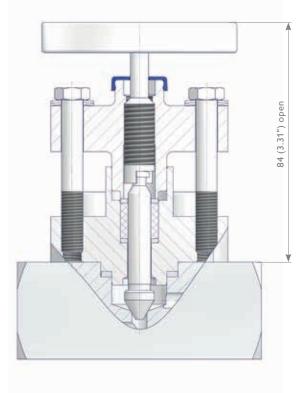
Color Coded Option FKM O-Ring Stem Seal with PCTFE Soft Tip

Needle Valves with OS&Y Bolted Bonnet

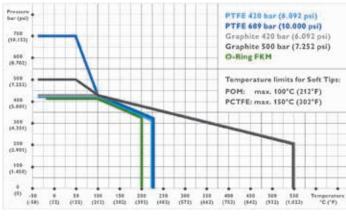
OS&Y Bolted Bonnet - Standard Packing

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



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.

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)

For Carbon Steel Body Material:

- Material No. 1.0460: -10°C (14°F)
- ASTM A350 LF2: 46°C (-51°F)

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

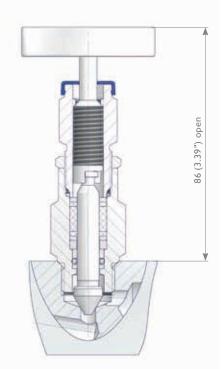
Features

- 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

ISO FE Performance Data

ISO FE Type 1: Class A 1,500 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 1,500 cycles / -29°C to 200°C (-20°F to 392°F)

ISO FE Type 3: Class B 1,500 cycles / -29°C to 200°C (-20°F to 392°F)



OS&Y Needle Valves acc. to ISO 15848

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

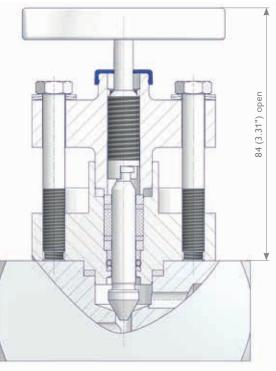
Features

- 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

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.

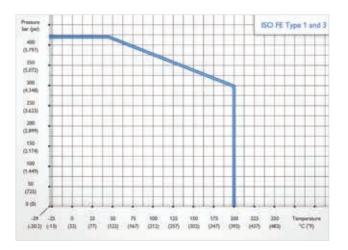


Valves that have not been cycled for a period of time may have a higher initial actuation torque.

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.

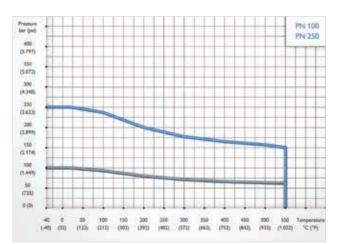
Pressure-Temperature Rating

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



Pressure-Temperature Rating

Bellows PN 100Safety Packing GraphiteBellows PN 250Safety Packing Graphite



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.







Incl. Padlock; Option Code U

Option Code T or R

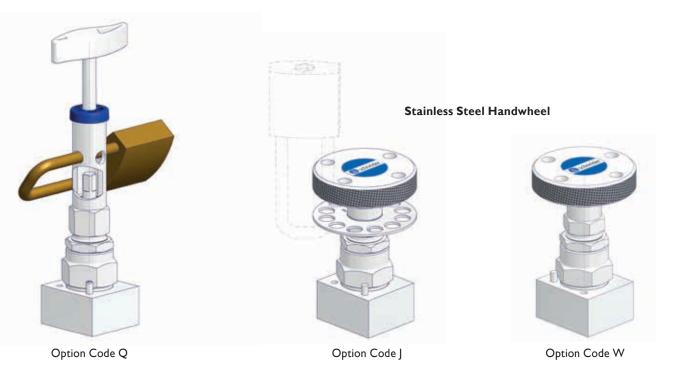
Part Number ATK-ES

'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





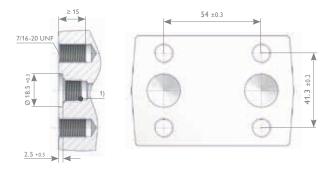


Connections | DIN EN 61518 / IEC 61518

Flange Connections

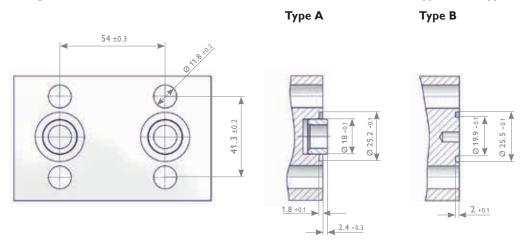
According to DIN EN 61518 the manifold-transmitter interface is applicable for a max. allowable (Working) Pressure (PS) of 413 bar^{*3} (6,000 psi) and a max. allowable Temperature (TS) of 120°C (248°F) for liquids, gas or vapors. The max. allowable Temperature (TS) of 120°C (248°F) is considering the 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°F), PTFE up to 232°C (450°F), Graphite up to 550°C (1,022°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.

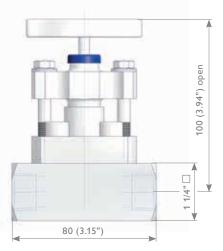
Hand Valve Female x Female Threaded HAFF Type



Hand Valve with Integral Tube Fittings HATT Type



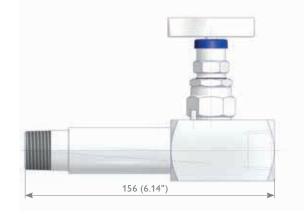
Hand Valve with OS&Y Bolted Bonnet HFFF Type



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"

Hand Valves

Ordering Information

					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1
					н	А	т	т	S	A		R	4	R	4	-	М	S		
	Hand Valves																			
	Basic Design																			
۹.	Screwed Bonnet	L	Angle Hand Valve (Screwed	Bonne	et)															
F	OS&Y Bonnet	Х	Extended Body (Screwed Bon	net)																
	Inlet	-																		
M F	Male Female	B S	Butt Weld End Socket Weld End																	
Г	Integral Tube Fitting	А	1/2 NPT with Tube Fitting																	
	Outlet	-																		
1 F	Male Female	B S	Butt Weld End Socket Weld End																	
г	Integral Tube Fitting	A	1/2 NPT with Tube Fitting																	
	Material																			
S	1.4401 / 1.4404 / 316 / 316L	F	Duplex UNS S31803	В	6Mo UNS															
Ч 	Alloy 400 UNS N04400	D V	Super Duplex UNS S32750	Т	Titanium C	Grade 2														
4	Alloy C-276 UNS N10276 Bonnet	v	Alloy 625 UNS N06625																	
A	PTFE	K	O-Ring FKM (FPM by ISO)																	
В	Graphite	W	Carbon filled PTFE – TA-Luft																	
	ISO FE Series Type 1 ISO FE Series Type 3	2	Bellows sealed PN 100 Bellows sealed PN 250																	
	Inlet	7	Denows sealed FIN 250																	
1	Thread Type		Fitting Type		Butt Weld	End			Socke	t Weld	End									
4	NPT	С	Single Ferrule Tube Fitting	4	1/2" Pipe	Lina		D			be (Ø 12	.2 mm)								
H	BSP Parallel (G) – DIN 3852-2	К	Twin Ferrule Tube Fitting	6	3/4" Pipe			E			pe (Ø 14	.25 mm)							
२	BSP Taper (R/Rc) – ISO 7/1			DE	12 mm 14 mm			2	For 1/4	¹ " Pipe										
	Inch Sizes		Tube Fitting Sizes		Wall Thick	mess Bi	itt Weld	А	Socke	t Weld										
2	1/4	1	6 resp. 6S	Р	Schedule 8				ooche	e rreia										
4	1/2	2	8 resp. 8S	Q	Schedule 1	60														
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	3/8" 1/2"																	
	Outlet	,	172																	
	Thread Type		Fitting Type		Butt Weld	End			Socke	t Weld	End									
N	NPT	С	Single Ferrule Tube Fitting	4	1/2" Pipe			D	For 12	mm Tut	oe (Ø 12									
H	BSP Parallel (G) - DIN 3852	К	Twin Ferrule Tube Fitting	6	3/4" Pipe			E			pe (Ø 14	.25 mm)							
R	BSP Taper (R/Rc) - ISO 7/1			E	12 mm 14 mm			2	For 1/4	r ripe										
	Inch Sizes		Tube Fitting Sizes		Wall Thick	kness B.	itt Weld	A	Socke	t Weld										
2	1/4	1	6 resp. 6S	Р	Schedule 8		at freid	A	JUCKE	e vveid										
4	1/2	2	8 resp. 85	Q	Schedule 1	60														
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	3/8"																	
		9	1/2"																	
в			I order (digits first, then let																	
5	PCTFE Soft Tip	-xygen	Service – For PTFE Packing only	,																
3	POM Soft Tip																			
5	Stellite Valve Tip	De elvie		hina De	al ling															
+	Power Piping ASME B31.1 – F		ng I 7,252 psi (500 bar) for Grap phite Packing only	ance Pa	acking															
(Arctic Operations (-55°C (-6	7°F)) –																		
1	Wetted Parts with 3.1 certifier	cate																		
-	Panel Mounting																			
	Operation Options Stainless Steel Handwheel v	with La	ocking Plate Decigo																	
J T	Anti-Tamper Bonnet (Key to																			
	Anti-Tamper Bonnet (1 Key s																			
२																				
) 2 7	AT-Key Lock Bonnet Design Padlock for Anti-Tamper Bon																			

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

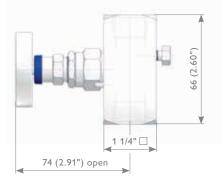
Gauge Valves

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.

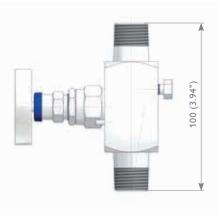
You find a lot more options on the next page – Ordering Information Gauge Valves. Accessories like Swivel Gauge Adaptors, Vent Valves etc. see Pages 48-53.

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.

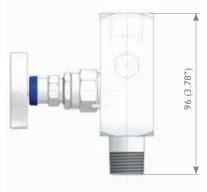
Gauge Valve Female x Female Threaded GSFF Type



Gauge Valve Male x Male Threaded GSMM Type

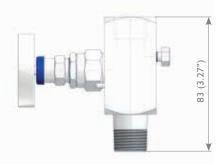


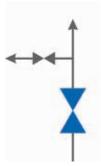
Gauge Valve Male x Female Threaded GAMF Type



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

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Vent Connection C G14 Provide 5 Beed Streew C G14 Provide 19 1000 Provide G12 Annual G12 Annual 10 1000 Provide G12 Annual G12 Annual 10 1000 Provide G12 Annual G12 Annual 10 1000 Provide G12 Annual G12 Annual 11 1000 Provide G12 Annual G12 Annual 12 1000 Provide G12 Annual G12 Annual G12 Annual 12 1000 Provide G12 Annual G12 Annual G12 Annual 12 1000 Provide G12 Annual G12 Annual G12 Annual 12 1000 Provide G12 Annual G12 Annual G12 Annual																							
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G POM Soft Tip Stellite Valve Tip 10,000 psi (689 bar) for PTFE Packing 17,252 psi (500 bar) for Graphite Packing Power Piping ASME B31.1 - For Graphite Packing only Arctic Operations (-55°C (-67°F)) – For PTFE Packing only Wetted Parts with 3.1 certificate Panel Mounting Operation Options J Stalless Steel Handwheel with Locking Plate Design Anti-Tamper Bonnet (1 Key supplied per Valve/Manifold) Q AT-Key Lock Bonnet Design J Pallock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design Stainless Steel Handwheel	В		xygen	Service – For PTFE Packing on	nly																		
S Stellite Valve Tip 10,000 psi (689 bar) for PTFE Packing 17,252 psi (500 bar) for Graphite Packing Power Piping ASME B31.1 - For Graphite Packing only A rctic Operations (-55°C (-67°F)) – For PTFE Packing only Wetted Parts with 3.1 certificate Panel Mounting Operation Options J Stainless Steel Handwheel with Locking Plate Design A nti-Tamper Bonnet (Key to be ordered separately) A Anti-Tamper Bonnet (I Key supplied per Valve/Manifold) Q AT-Key Lock Bonnet Design Padlock for Anti-Tamper Bonnet (AT-Key Lock Bonnet Design Stainless Steel Handwheel	F G																						
P Power Piping ASME B31.1 - For Graphite Packing only Arctic Operations (-55°C (-67°F)) – For PTFE Packing only VVetted Parts with 3.1 certificate Panel Mounting Operation Options J Stainless Steel Handwheel with Locking Plate Design Arti-Tamper Bonnet (Key to be ordered separately) A. Anti-Tamper Bonnet (I Key supplied per Valve/Manifold) A. Art-Key Lock Bonnet Design Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design Stainless Steel Handwheel	S																						
 Arctic Operations (-55°C (-67°F)) – For PTFE Packing only Wetted Parts with 3.1 certificate Panel Mounting Operation Options Stainless Steel Handwheel with Locking Plate Design Anti-Tamper Bonnet (Key to be ordered separately) Anti-Tamper Bonnet (1 Key supplied per Valve/Manifold) AT-Key Lock Bonnet Design Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design Stainless Steel Handwheel Accessory Kits 	H				phite F	Packing																	
Panel Mounting Operation Options I Stainless Steel Handwheel with Locking Plate Design Anti-Tamper Bonnet (Key to be ordered separately) R Anti-Tamper Bonnet (1 Key supplied per Valve/Manifold) Q AT-Key Lock Bonnet Design J Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design Stainless Steel Handwheel	K																						
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 J Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design V Stainless Steel Handwheel	M C		ate																				
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 J Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design V Stainless Steel Handwheel																							
R Anti-Tamper Bonnet (1 Key supplied per Valve/Manifold) Q AT-Key Lock Bonnet Design J Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design Stainless Steel Handwheel Accessory Kits	J	Stainless Steel Handwheel w																					
Q AT-Key Lock Bonnet Design J Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design V Stainless Steel Handwheel Accessory Kits Accessory Kits	T																						
J Padlock for Anti-Tamper Bonnet / AT-Key Lock Bonnet Design V Stainless Steel Handwheel Accessory Kits Comparison of the state of the	R Q		uppiled	per valve/Manifold)																			
	U W	Padlock for Anti-Tamper Bonn	net / A	T-Key Lock Bonnet Design																			
8 SST Mounting Bracket AKM-S Type for 2" Pipe Mounting supplied separately – For Vertical Impulse Piping Installations	8		Type f	for 2" Pipe Mounting supplied s	eparat	ely – For V	/ertical I	mpul	se Pipin	g Insta	lations												

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

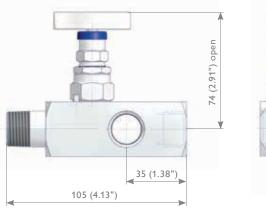
Multiport Gauge Valves

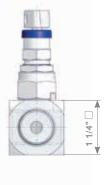
AS-Schneider Multiport Gauge Valves are designed for mounting to Pressure Gauges, Pressure Transmitters and Pressure Switches. The standard types are provided with 3 female outlet ports and are therefore suitable for vertical or horizontal installations.

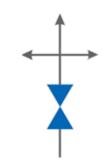
Accessories like Pipe Plugs and Vent Valves can be ordered separately or already factory installed – see also options next page – Ordering Information Multiport Gauge Valves. Accessories like Swivel Gauge Adaptors, Vent Valves etc. see Pages 48-53.

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.

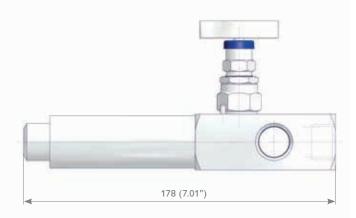
Multiport Gauge Valve – Screwed Bonnet MAMA Type

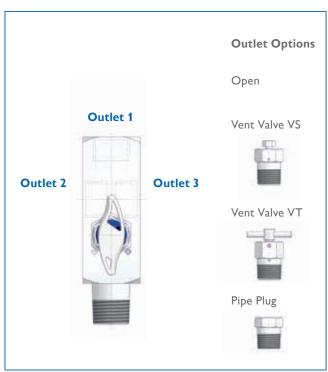






Multiport Gauge Valve with Extended Body MXBA Type Extended by approx. 3"





Multiport Gauge Valves

Ordering Information

					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
					М	А	В	В	S	A	-	6	Р	N	4		S			
М	Multiport Gauge Valves																			
	Basic Design																			
A	Screwed Bonnet																			
F	OS&Y Bonnet																			
Х	Extended Body (Screwed Bonne	t)																		
	Inlet																			
M	Male	В	Butt Weld End																	
F	Female	S	Socket Weld End																	
	Outlet																			
A B	3 x Female	Din e D																		
C	Outlet 1 – Female, Outlet 2 – Outlet 1 – Female, Outlet 2 –																			
D	Outlet 1 – Female, Outlet 2 and	1 3 – Pi	pe Plug																	
	Material																			
S	1.4401 / 1.4404 / 316 / 316L	F	Duplex UNS S31803	V	Alloy	625 UN	NS N066	25												
M	Alloy 400 UNS N04400	D	Super Duplex UNS S32750	В		UNS S3														
Н	Alloy C-276 UNS N10276	2	Super Duplex UNS S32760	Т	litani	ium Gra	ade 2													
	Bonnet																			
A	PTFE	K	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																	
Е	ISO FE Series Type 3	4	Bellows sealed PN 250																	
	Inlet																			
	Thread Type		Butt Weld End																	
N H	NPT BSP Parallel (G) – DIN 3852	4 6	1/2" Pipe 3/4" Pipe																	
	Inch Sizes		Wall Thickness Butt Weld																	
2	1/4	Ρ	Schedule 80																	
4	1/2 3/4	Q 4	Schedule 160 4.0 mm																	
0																				
_	Outlet Thread Sizes - Female Thre	o do ou	-h-																	
N2	1/4 NPT	H4	G 1/2 (1/2 BSP P) - DIN 3852																	
N4	1/2 NPT																			
	Options - Specify in alphabe	etical	order (digits first, then letters)																	
В	Cleaned and Lubricated for Ox	ygen S	ervice – For PTFE Packing only																	
F G	PCTFE Soft Tip POM Soft Tip																			
S	Stellite Valve Tip																			
н	10,000 psi (689 bar) for PTFE P	-	l 7,252 psi (500 bar) for Graphite P	acking																
P K	Power Piping ASME B31.1 – For Arctic Operations (-55°C (-67°																			
M	Wetted Parts with 3.1 certificat																			
	Operation Options																			
J	Stainless Steel Handwheel wit																			
T	Anti-Tamper Bonnet (Key to be																			
R Q	Anti-Tamper Bonnet (1 Key sup AT-Key Lock Bonnet Design	hiisa t																		
U	Padlock for Anti-Tamper Bonne	t / AT-ł	Key Lock Bonnet Design																	
W	Stainless Steel Handwheel																			

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.

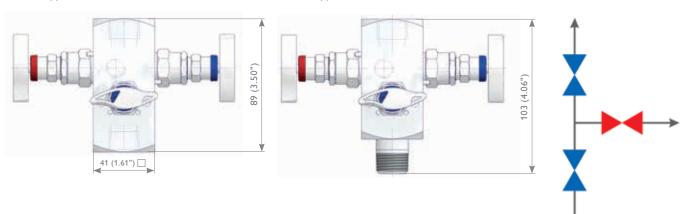
Block & Bleed Manifolds - Female Threaded Instrument Connection

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

																10				
					1	2	3 M	4 F	5 M	6	7	8 N	9	10 N	11 4	12	13	14	15	16
					5	~				~	-		т		т		,	Q	0	
S	Block & Bleed Manifolds																			
С	Double Block & Bleed Mar	nifolds	5																	
	Vent Connection																			
A B	1/4 NPT Female 1/2 NPT Female	C D	G 1/4 Female G 1/2 Female																	
	Inlet																			
M F T	Male Female Integral Tube Fitting	B S A	Butt Weld End Socket Weld End 1/2 NPT with Tube Fitting																	
	Outlet																			
М	Male	G	Adjusting Nut (For Connect	ion Co	de G2, G4 an	d M4 on	ly)													
F	Female	D	Swivel Nut [Wire Design] (F	or Cor	nection Cod	e G2, G4	4 and M4	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 UNS S Titanium Gi															
	Bonnet																			
A B D E	PTFE Graphite ISO FE Series Type 1 ISO FE Series Type 3	K W 2 4	O-Ring FKM (FPM by ISO) Carbon filled PTFE – TA-Luft Bellows sealed PN 100 Bellows sealed PN 250																	
	Inlet																			
	Thread Type		Fitting Type		Butt Weld	End			Socke	t Weld	End									
N G H R M	NPT BSP Parallel (G) – EN 837-1 BSP Parallel (G) – DIN 3852 BSP Taper (R/Rc) – ISO 7/1 Metric similar to EN 837-1	C K	Single Ferrule Tube Fitting Twin Ferrule Tube Fitting	4 6 D E	1/2" Pipe 3/4" Pipe 12 mm 14 mm			D E 2	For 14		e (Ø 12. e (Ø 14.									
	Inch Sizes		Tube Fitting Sizes		Wall Thick	ness Bu	tt Weld	А	Socke	t Weld										
2 4 6	1/4 1/2 3/4	4 5 9	12 resp. 12S 14 resp. 14S 1/2"	P Q 2 8 A	Schedule 16 Schedule 16 2.0 mm 2.6 mm 3.2 mm															
	Metric Size																			
4	M 20 × 1.5																			
	Outlet																			
N2 N4 R4	Male / Female Thread Size 1/4 NPT Female Thread only 1/2 NPT R/Rc 1/2 – ISO 7/1 (1/2 BSPT) F		Thread only	G4	Thread Siz G 1/4 (1/4 E G 1/2 (1/2 E M 20 × 1.5	BSP P)	837-1 -	Female	l hread	s only										
	Options - Specify in alphab	oetica	l order (digits first, then let	tters)																
B F G S A H P K M	Cleaned and Lubricated for O PCTFE Soft Tip POM Soft Tip Stellite Valve Tip Vent Ports Plugged 10,000 psi (689 bar) for PTFE Power Piping ASME B31.1 – Fc Arctic Operations (-55°C (-67 Wetted Parts with 3.1 certifica	Packin or Gra I°F)) –	g I 7,252 psi (500 bar) for Gra phite Packing only		acking															
	Operation Options																			
J T Q U W	Stainless Steel Handwheel w Anti-Tamper Bonnet (Key to b Anti-Tamper Bonnet (1 Key su AT-Key Lock Bonnet Design Padlock for Anti-Tamper Bonn Stainless Steel Handwheel	pe orde	ered separately) per Valve/Manifold)																	
8 9	Accessory Kits SST Mounting Bracket AKM-S SST Mounting Bracket AKM-S					r Vertio	al Impul	se Pipir	ng Instal						ifolds 7	Гуре С				

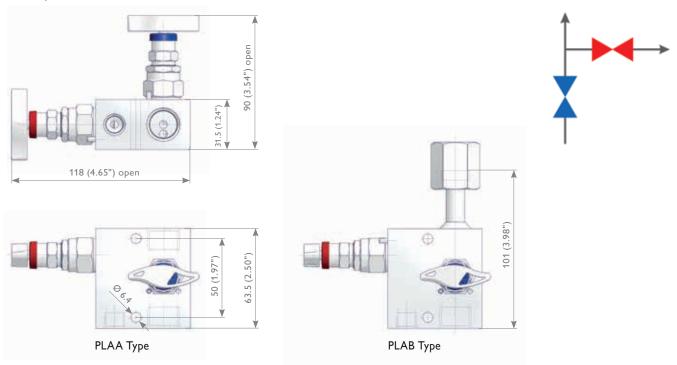
Wetted Parts according to above mentioned material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2. Note: Not every configuration which can be created in the ordering information is feasible / available.

L, Y & W-Shaped Manifolds

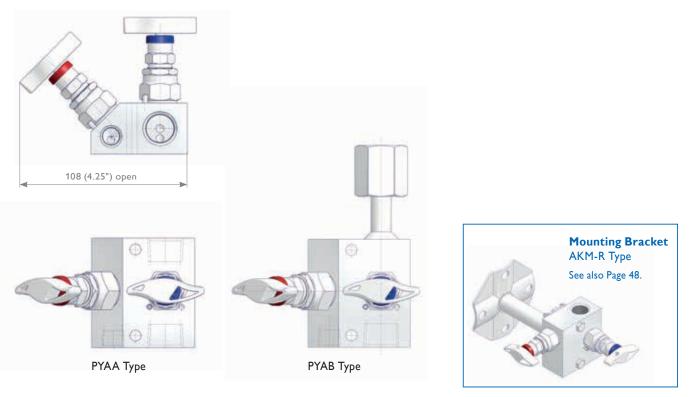
AS-Schneider L, Y & W-Shaped Manifolds are designed for mounting to Pressure Gauges, Pressure Transmitters and Pressure Switches. The standard vent connection is 1/4 NPT female. Pipe plugs are not installed as standard. For plugged vent ports (factory installed) – see also options Page 24 – Ordering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

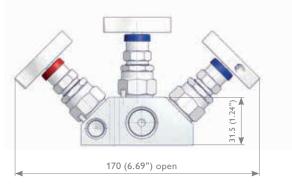


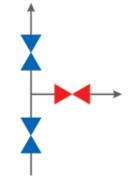
Y-Shaped Manifolds

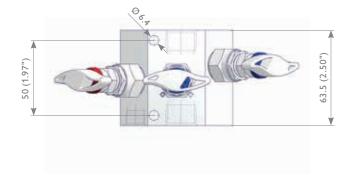


L, Y & W-Shaped Manifolds

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
				Р	L	А	В	S	А	-	Ν	4	G	4	-	А	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	Double	Block & Bleed Type																
	Vent Connection																		
A	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	ı															
C D	G 1/4 Female G 1/2 Female – Only Type PL	н J	G 1/4 with Tube Fitting 6 mm G 1/4 with Tube Fitting 12 mm																
		,	Tube Fitting Brand see inlet/outle	et															
	Inlet x Outlet Configuration																		
A	Female x Female	Е	G 1/2 with Tube Fitting x Female																
В	Female x Swivel Nut	F	G 1/2 with Tube Fitting x Swivel 1	Nut															
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	lo UNS S3	1254													
M	Alloy 400 UNS N04400	D	Super Duplex UNS S32750 T		anium Gra														
Н	Alloy C-276 UNS N10276	۷	Alloy 625 UNS N06625																
	Bonnet																		
A B	PTFE	к w	O-Ring FKM (FPM by ISO) Carbon filled PTFE – TA-Luft																
D	Graphite ISO FE Series Type 1	2	Bellows sealed PN 100																
Е	ISO FE Series Type 3	4	Bellows sealed PN 250																
	Inlet																		
NI	Thread Type	C	Fitting Type																
N H	NPT BSP Parallel (G) – DIN 3852	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	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	-		king:															
P K	Power Piping ASME B31.1 – For G Arctic Operations (-55°C (-67°F))																		
M	Wetted Parts with 3.1 certificate	-1011																	
	Operation Options																		
J	Stainless Steel Handwheel with I																		
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	y – For V	Vertical Im	ipulse P	iping Inst	allations											
Wette	d Parts according to above mentione	ed mate	erial list are supplied according to I		1R0175/M	R0103 a	and ISO	15156 (la	atest iss	ue) - exc	eptTita	nium 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.

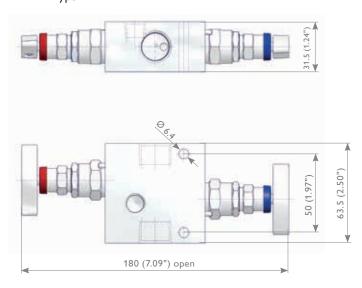
Remote Mounted Manifolds

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

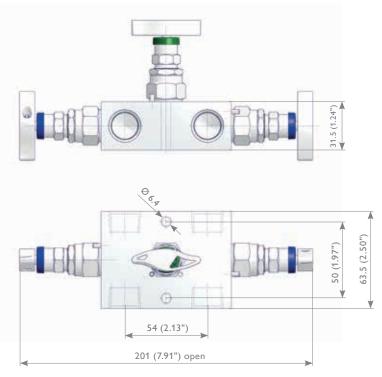
AS-Schneider Remote Mounted Manifolds are designed for remote installation from Pressure Instruments and Differential Pressure Transmitters. The standard vent connection is 1/4 NPT female. Pipe plugs are not installed as standard to 2 and 5 Valve Manifolds. For plugged vent ports (factory installed) - 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.

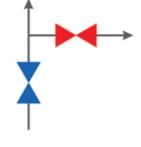
The dimensions shown apply only to the illustrated valves (1/2 NPT Threaded) – if you need the dimensions for your individual type or should you still not find your options at all please contact the factory.

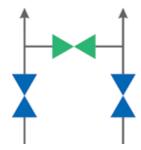
2 Valve Manifolds, Remote Mounted R2AA Type



3 Valve Manifolds, Remote Mounted without Vent Connection R3AA Type

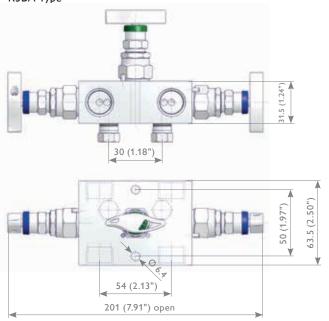








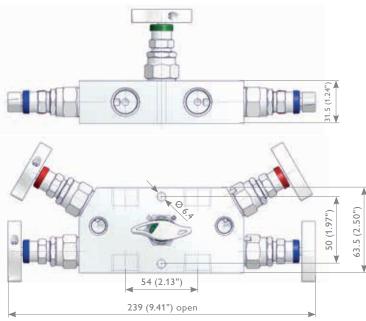
Remote Mounted Manifolds



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

AKM-R Type Mounting Bracket not suitable.

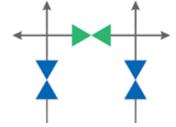
5 Valve Manifolds, Remote Mounted R5AA Type

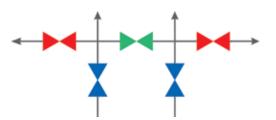


Vent Ports on Process Side R5GA Type









Remote Mounted Manifolds

Ordering Information

		antity Bonnets – 2, 3 or 5 At Connection dard – 2 Valve / 5 Valve Manifold with Vent Ports 1/4 NPT Female, live Manifolds only the Manifold without Vent Port t Ports 1/4 NPT Female – For 3 Valve Manifolds only 4 Female t Ports on Process Side of the 5 Valve Manifolds only 4 Female t Ports on Process Side of the 5 Valve Manifolds only t and Outlet at and Outlet ale Connections NPT with Tube Fittings NPT with Tube Fittings 2 with Tube Fitting 2 with Tube Fitt																		
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
					R	3	В	С	Н	А	-	S	9	S	9	-	R	U		
R	Remote Mounted Manifolds																			
	Quantity Bonnets - 2, 3 or 5																			
	Vent Connection	ity Bonnets – 2, 3 or 5 Sonnection d – 2 Valve / 5 Valve Manifold with Vent Ports 1/4 NPT Female, Manifold without Vent Port Trs 1/4 NPT Female – For 3 Valve Manifolds only emale orts on Process Side of the 5 Valve Manifold and Outlet Connections Conections Content Connection Conte																		
A			ith Vent Ports 1/4 NPT Female,																	
В																				
С	G 1/4 Female																			
G	Vent Ports on Process Side of	the 5	Valve Manifold																	
	Inlet and Outlet																			
A	Female Connections																			
B C	-	- 2 Valve / 5 Valve Manifold with Vent Ports 1/4 NPT Fem fanifold without Vent Port ts 1/4 NPT Female – For 3 Valve Manifolds only male ts on Process Side of the 5 Valve Manifold d Outlet Connections with Tube Fittings with Tube Fittings 1 4404 / 316 / 316L F Duplex UNS S31803 0 UNS N04400 D Super Duplex UNS S3275 276 UNS N10276 V Alloy 625 UNS N06625 K O-Ring FKM (FPM by ISO) VV Carbon filled PTFE – TA-L 2 Bellows sealed PN 100 eries Type 1 2 Bellows sealed PN 100 eries Type 3 4 Bellows sealed PN 250 Type Fitting Type C Single Ferrule Tube Fitting Size Tube Fitting Sizes 4 12 resp. 12S 9 1/2" Type Fitting Type C Single Ferrule Tube Fitting Size C Single Ferrule Tube Fitting Size C Single Ferrule Tube Fitting Size C Single Ferrule Tube Fitting Sizes 4 12 resp. 12S 9 1/2"																		
D	G 1/2 with Tube Fittings	Anifold without Vent Ports 1/4 NPT Female, Manifold without Vent Port Trts 1/4 NPT Female – For 3 Valve Manifolds only made Trts on Process Side of the 5 Valve Manifolds only made Trts on Process Side of the 5 Valve Manifold of the Ad Outlet Connections with Tube Fittings with Tube Fittings with Tube Fittings al 1.4404 / 316 / 316 L F Duplex UNS S31803 0 UNS N04400 D Super Duplex UNS S32750 276 UNS N10276 V Alloy 625 UNS N06625 K O-Ring FKM (FPM by ISO) 276 UNS N10276 V Alloy 625 UNS N06625 K O-Ring FKM (FPM by ISO) e K O-Ring FKM (FPM by ISO) e V Carbon filled PTE – TA-Luft Series Type 1 2 Bellows sealed PN 100 Series Type 3 4 Bellows sealed PN 120 Fitting Type C Single Ferrule Tube Fitting allel (G) – DIN 3852 K Twin Ferrule Tube Fitting 1 Size Tube Fitting Sizes 4 12 resp. 12S 9 1/2" s - Specify in alphabetetatorer (digits first, then letter																		
	Material																			
S	1.4401 / 1.4404 / 316 / 316L	ty Bonnets – 2, 3 or 5 onnection J – 2 Valve / 5 Valve Manifold with Vent Ports 1/4 NPT Female, Manifold without Vent Port trs 1/4 NPT Female – For 3 Valve Manifolds only amale rts on Process Side of the 5 Valve Manifold d Outlet Connections with Tube Fittings with Tube Fittings al L4404 / 316 / 316 L F Duplex UNS S31803 0 UNS N04400 D Super Duplex UNS S31803 0 UNS N04400 D Super Duplex UNS S32750 276 UNS N10276 V Alloy 625 UNS N06625 K O-Ring FKM (FPM by ISO) e K O-Ring FKM (FPM by ISO) e K Carbon filled PTFE – TA-Luft geries Type 1 2 Bellows sealed PN 100 4 Bellows sealed PN 100 5 Geries Type 3 4 Bellows sealed PN 100 E V Carbon filled PTFE – TA-Luft iseries Type 1 2 Bellows sealed PN 100 E V Carbon filled PTFE – TA-Luft iseries Type 1 2 Bellows sealed PN 100 E V Carbon filled PTFE – TA-Luft iseries Type 1 2 Bellows sealed PN 100 E V Carbon filled PTFE – TA-Luft iseries Type 1 2 Bellows sealed PN 100 E V Carbon filled PTFE – TA-Luft iseries Type 1 2 Bellows sealed PN 100 E V Carbon filled PTFE – TA-Luft iseries Type 1 2 Bellows sealed PN 100 E V Carbon filled PTFE – TA-Luft iseries Type 1 2 Bellows sealed PN 100 E V Carbon filled PTFE – TA-Luft iseries Type 1 2 Bellows sealed PN 100 E V Carbon filled PTFE – TA-Luft iseries Type 1 2 Bellows sealed PN 100 E V Carbon filled PTFE – TA-Luft iseries Type 1 2 Bellows sealed PN 100 E V Carbon filled PTFE – TA-Luft iseries Type 1 2 Bellows sealed PN 100 E V Carbon filled PTFE – TA-Luft iseries Type 1 2 Bellows sealed PN 100 E V Carbon filled PTFE – TA-Luft iseries Type 1 2 Bellows sealed PN 125 E V Carbon filled PTFE – TA-Luft iseries Type 1 2 Bellows sealed PN 125 E V Carbon filled PTFE – TA-Luft iseries Type 1 2 Bellows sealed PN 125 E V Carbon filled PTFE – TA-Luft iseries Type 1 2 Bellows sealed PN 125 E V Carbon filled PTFE – TA-Luft iseries Type 1 2 Bellows sealed PN 125 E V Carbon filled PTFE – TA-Luft iseries Type 1 2 Bellows sealed PN 125 E V Carbon filled PTFE – TA-Luft iseries Type 1 2 Bellows sealed PN 125 E V Carbon filled PTFE – TA-Luft E V E V E V E	В	6Mo	UNS S3	1254														
M	Alloy 400 UNS N04400	with Tube Fittings th Tube Fittings I .4404 / 316 / 316L F Duplex UNS S31803 D UNS N04400 D Super Duplex UNS S32750 V Alloy 625 UNS N06625 K O-Ring FKM (FPM by ISO) W Carbon filled PTFE – TA-Li eries Type 1 2 Bellows sealed PN 100 eries Type 3 4 Bellows sealed PN 250 Type Fitting Type		Т		ium Gra														
Н	Alloy C-276 UNS N10276	Female Ports on Process Side of the 5 Valve Manifold and Outlet and Outlet Connections PT with Tube Fittings vith Tube Fitting Sitting Type c Series Type 1 Series Type 3 vitale V Alloys sealed Pf vitale(G) – DIN 3852 x vitale(G) – DIN 3852 x vitale vitale <td>Alloy 625 UNS N06625</td> <td></td>	Alloy 625 UNS N06625																	
	Bonnet																			
A	PTFE		· · · · ·																	
B D	Graphite																			
E	ISO FE Series Type 3																			
	Inlet	tt Connection idard – 2 Valve / 5 Valve Manifold with Vent Ports 1/4 NPT Fe alve Manifold without Vent Port t Ports 1/4 NPT Female – For 3 Valve Manifolds only 4 4 Female t Ports on Process Side of the 5 Valve Manifolds only 4 Female t Ports on Process Side of the 5 Valve Manifolds only ale Connections NPT with Tube Fittings NPT with Tube Fittings 2 with Tube Fitting 4 Oo UNS N04400 5 Super Duplex UNS S31803 3 woo UNS N04400 5 Super Duplex UNS S31803 3 woo UNS N04400 5 Super Duplex UNS S32 5 woo 5 woo																		
	Thread Type	IPT with Tube Fittings with Tube Fittings arial 1/1,4404/316/316L F 1/1,4404/316/316L F 400 UNS N04400 D C-276 UNS N10276 V Alloy 625 UNS N06625 net K O-Ring FKM (FPM by ISO) hite V Escries Type 1 2 Escries Type 3 4 Bellows sealed PN 100 Escries Type 3 4 Bellows sealed PN 100 Escries Type 3 4 Bellows sealed PN 100 Escries Type 3 5 Stad Type C Sarallel (G) – DIN 3852 K Tube Fitting Sizes 4 4 12 resp. 12S 9 1/2" et C Single Ferrule Tube Fitting Branallel (G) - DIN 3852 K Single Ferrule Tube Fitting Branallel (G) - DIN 3852 K Single Ferrule Tube Fitting Branallel (G) - DIN 3852 K Single Ferrule Tube Fitting Branallel (G)																		
N H	NPT BSP Parallel (G) – DIN 3852																			
	Thread Size		Tube Fitting Sizes																	
2	1/4	4	-																	
4	1/2	9	1/2"																	
	Outlet																			
	Thread Type	6																		
N H	NPT BSP Parallel (G) - DIN 3852																			
2	1/4	4																		
4	1/2																			
	Options - Specify in alphabe	etical	order (digits first, then letters)																	
В		ygen Se	ervice – For PTFE Packing only																	
F G	PCTFE Soft Tip POM Soft Tip																			
S	Stellite Valve Tip																			
A	Vent Ports Plugged																			
H P		-		acking																
ĸ			• ,																	
Μ	Wetted Parts with 3.1 certificat		- ,																	
	Operation Options																			
J																				
T R																				
Q	AT-Key Lock Bonnet Design																			
U	Padlock for Anti-Tamper Bonne	t / AT-ŀ	Key Lock Bonnet Design																	
W	Stainless Steel Handwheel																			
0	Accessory Kits	lan c	2" Bine Meyering out it	-h	an) (al las		a 14 14	*i.e											
8	351 Mounting Bracket AKM-R T	ype to	r 2" Pipe Mounting supplied separate	ely – Fo	or vertic	ai impul	se Piping	g installa	uons											

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.

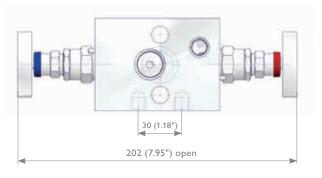
We differentiate between Wafer Style Manifolds (see Page 28-33) and Traditional Style Manifolds (see Page 34-37), the Wafer Type for the Rosemount 2051/3051 Coplanar[™] Pressure Transmitter is just called Coplanar[™] Style Manifold. You will find the Integral Manifolds for 2051/3051 Coplanar[™] Pressure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

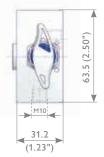
The dimensions shown apply only to the illustrated valves (1/2 NPT Threaded / Flange Interface DIN EN 61518) – if you need the dimensions for your individual type or should you still not find your options at all please contact the factory.

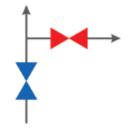
Wafer Style Manifolds

2 Valve Manifolds – Standard

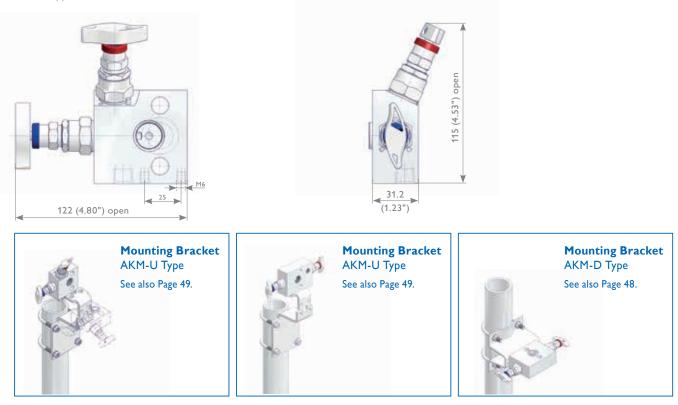
W2AA Type



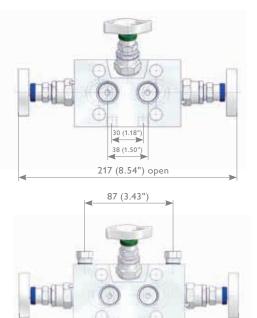




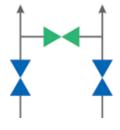
2 Valve Manifolds – L-Shaped Bonnet Orientation W2LA Type

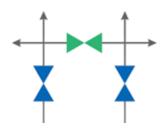


3 Valve Manifolds – Standard (Female x Flanged) Without Vent Connection W3AA Type With Vent Connection W3BA Type







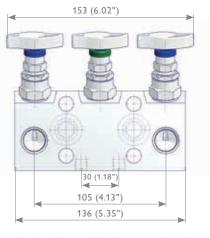


3 Valve Manifolds – Standard (Flanged x Flanged) Without Vent Connection W3AB Type With Vent Connection W3BB Type

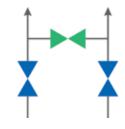
226 (8.90") open

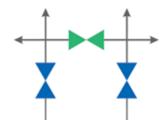


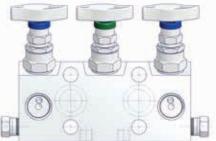
3 Valve Manifolds - Compact Design (Female x Flanged) Without Vent Connection W3CA Type With Vent Connection 1/4 NPT Female W3DA Type



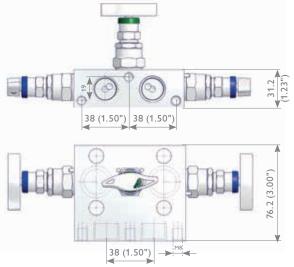








3 Valve Manifolds - Bottom Inlet Design (Female x Flanged) W3EA Type



For Bottom Inlet Design only



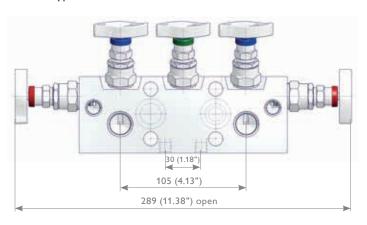


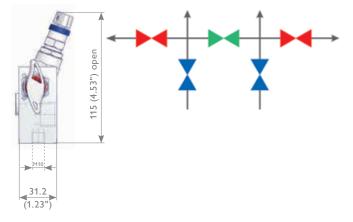
Mounting Bracket AKM-U Type See also Page 49.

For Compact Design

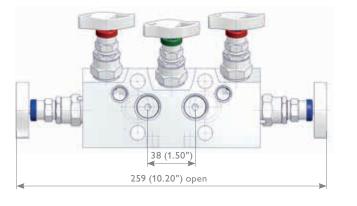


5 Valve Manifolds – Standard (Female x Flanged IEC 61518-A) W5AA Type



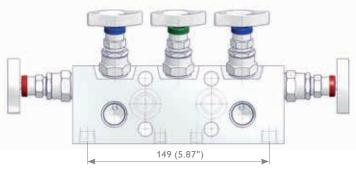


5 Valve Manifolds – Female x Flanged IEC 61518-B W5AA Type

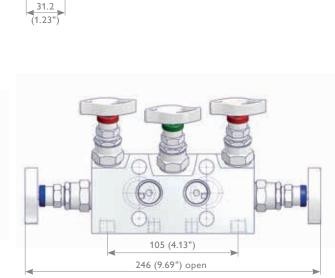


5 Valve Manifolds – Female x Flanged Vent Ports on Bottom Face

W5GA Type



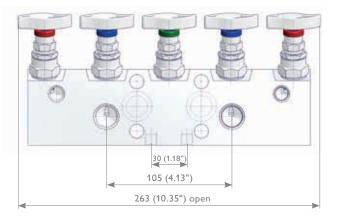
Illustrated type with IEC 61518-A connection

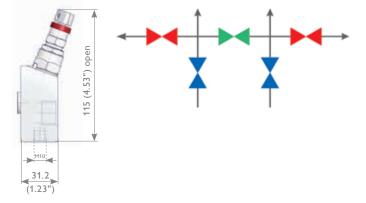


Illustrated type with IEC 61518-B connection Only suitable for AKM-U type Mounting Bracket

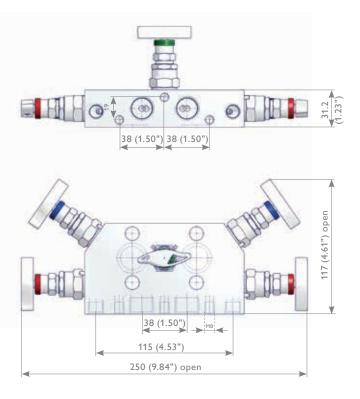


5 Valve Manifolds – Compact Design (Female x Flanged) W5CA Type





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



For Bottom Inlet Design only



For Compact Design



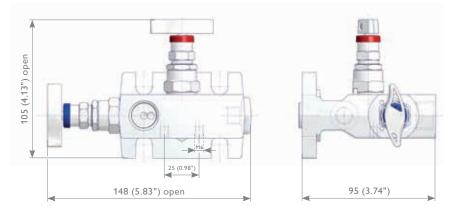
Ordering Information

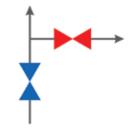
				w	/ 2	A	A	S	В	-	N	4	10 T	11 E	-	13 A	P	S	
v	Wafer Style Manifolds																		
	Quantity Bonnets - 2-5																		
	Manifold Specifics																		
	Standard – 2 Valve / 5 Valve Manifo Vent Ports 1/4 NPT Female Plugge Compact Design – 5 Valve Manifol Compact Design – 3 Valve Manif Bottom Inlet Design Vent Ports on Bottom Face of th L-Shaped Bonnet Orientation	ed – For Id with V fold with	3 Valve Manifolds only ^{%2} (ent Ports 1/4 NPT Female, 3 Valve n 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 1 H	1.4401 / 1.4404 / 316 / 316L Alloy 400 UNS N04400 Alloy C-276 UNS N10276		6Mo UNS S31254 Titanium Grade 2																
	Bonnet																		
A B D E	PTFE Graphite ISO FE Series Type 1 ISO FE Series Type 3	K W 2 4	O-Ring FKM (FPM by ISO) Carbon filled PTFE – TA-Luft Bellows sealed PN 100 Bellows sealed PN 250																
	Inlet																		
1 1	Thread Type NPT BSP Parallel (G) – DIN 3852	C K	Fitting Type Single Ferrule Tube Fitting Twin Ferrule Tube Fitting	т		ge Inter ge Interfac													
	Thread Size		Tube Fitting Sizes			ge Inter													
2 4	1/4 1/2	4 5 9	12 resp. 12S 14 resp. 14S 1/2"	4	EN 6	1518 wit	nout 1/4	INPI											
	Outlet																		
'D	Transmitter Interface DIN EN 61518-A																		
Ъ Е	DIN EN 61518-A DIN EN 61518-B																		
	Options - Specify in alphabet	ical ord	ler (digits first, then letters)																
B F G S A	Cleaned and Lubricated for Oxyg PCTFE Soft Tip POM Soft Tip Stellite Valve Tip Vent Ports Plugged ^{#2}	gen Serv	ice – For PTFE Packing only																
P K M	Power Piping ASME B31.1 – For C Arctic Operations (-55°C (-67°F)) Wetted Parts with 3.1 certificate) – For F	• ,																
J	Operation Options Stainless Steel Handwheel with		· ·																
۲ ۲	Anti-Tamper Bonnet (Key to be o Anti-Tamper Bonnet (1 Key suppl																		
۸ ۱ ۲	AT-Key Lock Bonnet Design Padlock for Anti-Tamper Bonnet / Stainless Steel Handwheel	/ AT-Key	Lock Bonnet Design																
1 2	Standard Accessory Kits for M Hex Cap Screw 7/16-20 UNF, B Hex Cap Screw 7/16-20 UNF, B	olt Len							PTFE S	eal Ring	s								
3	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 R	ings						-									
7 8 9	Mounting Bracket Kits CST Mounting Bracket AKM-D Ty SST Mounting Bracket AKM-B, SST Mounting Bracket AKM-U	or -D T	ype for 2" Pipe Mounting supplie	ed separat	tely – Fo	r Vertica	I Impulse	e Piping I	Installa			1							
	evant Bracket Type see Pages 28-32		r 2° Pipe Mounting supplied sepa	arately – F	or Hori	zontai an	u vertic	arimpuls	e ripin	g install	ation\$"								

Direct Mount Manifolds - Traditional Style

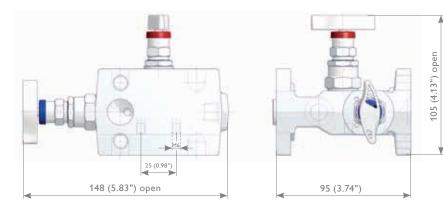
Traditional Style Manifolds

2 Valve Manifolds – Female x Flanged T2A Type





2 Valve Manifolds – Flanged x Flanged H2A Type

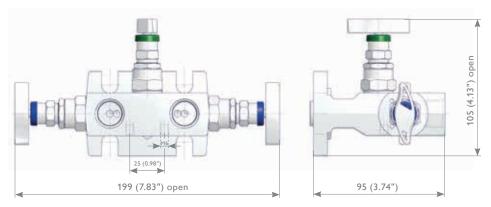


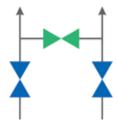


Direct Mount Manifolds - Traditional Style

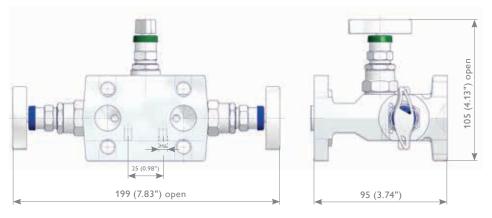
3 Valve Manifolds - Without Vent Connection

T3A Type – Female x Flanged

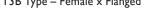


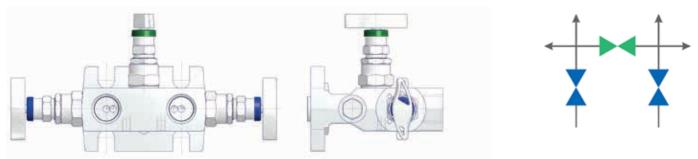


H3A Type – Flanged x Flanged



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



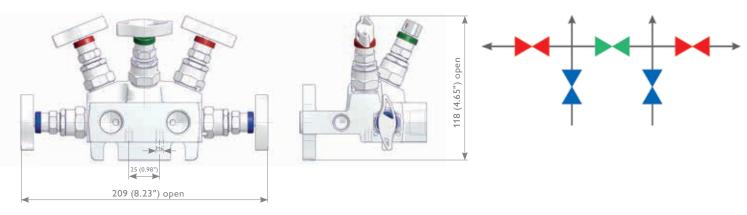


H3B Type – Flanged x Flanged

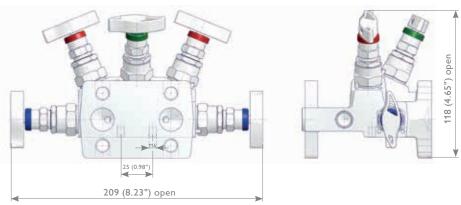


Direct Mount Manifolds - Traditional Style

5 Valve Manifolds – Female x Flanged T5A Type



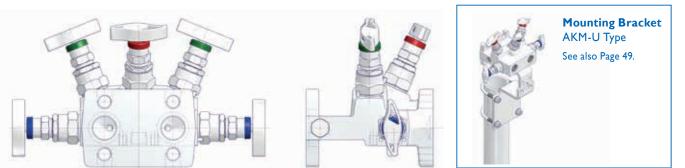
5 Valve Manifolds – Flanged x Flanged H5A Type



5 Valve Manifolds with Natural Gas Metering Pattern T5N Type



H5N Туре



Direct Mount Manifolds - Traditional Style

Ordering Information

				1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	1
				Н	ł	3	В	В	S	А	-	Ν	4	Т	Е	-	В	R		
ł	H-Style Manifolds																			
Г	T-Style Manifolds																			
	Quantity Bonnets - 2-5																			
	Manifold Specifics																			
Ą		ifold wit	th Vent Ports 1/4 NPT Female, 3 Valve	e Manifold	d wit	hout Ver	nt Port													
B N	Vent Ports 1/4 NPT Female P Natural Gas Metering Patter																			
	Inlet																			
A	Female – For T-Style Manifolds																			
B C	Flanged – For H-Style Manifol 1/2 NPT with Tube Fittings – F																			
		0. 1 00																		
6	Material	-	D	D ()		10.10.004	254													
S M	1.4401 / 1.4404 / 316 / 316L Alloy 400 UNS N04400	F D				JNS S31 Jm Grad														
	Alloy C-276 UNS N10276	V	Alloy 625 UNS N06625		carrie															
	Bonnet																			
Ą	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	6	Fitting Type	-		Flange														
N	NPT	С К	Single Ferrule Tube Fitting Twin Ferrule Tube Fitting	Т		Flange I	nterfac	9												
	Thread Size		Tube Fitting Sizes			Flange	Interf	ace												
4	1/2	4	12 resp. 12S	4		EN 615														
		5 9	14 resp. 14S 1/2"																	
	Outlet																			
	Transmitter Interface																			
Ъ ГЕ	DIN EN 61518-A DIN EN 61518-B																			
			landan (diate fine) ehan laterna																	
В			l order (digits first, then letters	•)																
F	PCTFE Soft Tip	xygen	Service – For PTFE Packing only																	
G	POM Soft Tip																			
S	Stellite Valve Tip																			
A P	Vent Ports Plugged*2 Power Piping ASME B31.1 – Fe	or Gran	ohite Packing only																	
ĸ	Arctic Operations (-55°C (-67		· · ·																	
М	Wetted Parts with 3.1 certific	ate																		
	Operation Options																			
J T	Stainless Steel Handwheel w Anti-Tamper Bonnet (Key to I																			
R	Anti-Tamper Bonnet (1 Key si																			
S	AT-Key Lock Bonnet Design																			
) V	Padlock for Anti-Tamper Bonr Stainless Steel Handwheel	net / AT-	-Key Lock Bonnet Design																	
		or Mar	nifold to Transmitter mounting	accord	ling	to DIN	EN 61	518 / 1	EC 615	18										
1			Length 1" and Washer in S.S., PT		-			51571												
2	Hex Cap Screw 7/16-20 UN	F, Bolt	Length 1" and Washer in S.S., PT	FE Seal	Ring	gs*3														
			Length 1" and Washer in S.S., Gr Length 1" and Washer in S.S., Gr																	
3 4		., 5011	Longen i and Washer in 5.5., Gi	aprince 3	cai															
3 4	Mounting Bracket Kits																			

⁴³ For H3RT3BTypes Option A is not relevant because it's already included.
 ⁴³ Bolt Material S.S. = 304 Stainless Steel I ASTM A193 B8 Class 2

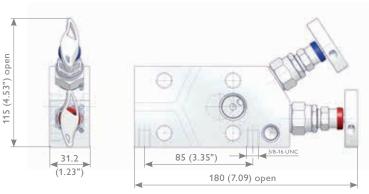
Wetted Parts according to a.m. material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2. Note: Not every configuration which can be created in the ordering information is feasible / available.

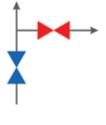
Direct Mount Manifolds - Integral Style

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

Coplanar[™] Style Manifolds

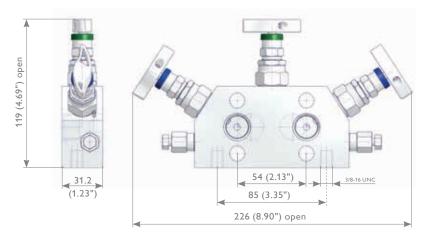
2 Valve Integral Manifolds W2RA Type

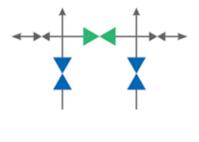




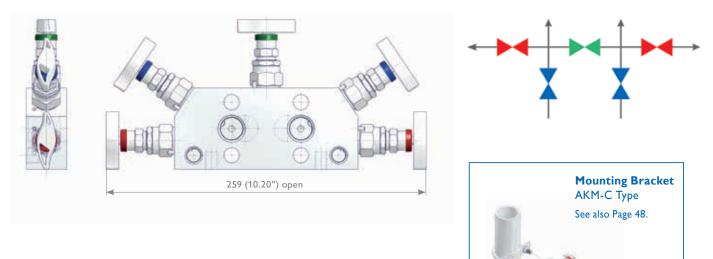
3 Valve Integral Manifolds W3RA Type

Supplied as standard with vent valves - fitted





5 Valve Integral Manifolds W5RA Type



Direct Mount Manifolds - Integral Style

105 (4.13")

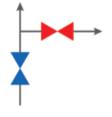
Traditional Style Integral Manifolds

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

2 Valve Integral Manifolds

Н2ТВ Туре

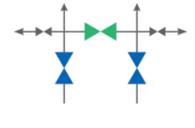




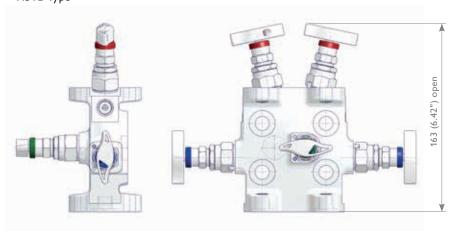
3 Valve Integral Manifolds H3TB Type

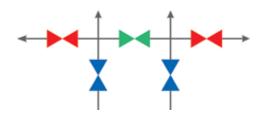
Supplied as standard with vent valves – fitted





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	А	-	Ν	4	Т	F	-	М	S	т	
W	Coplanar [™] Style Manifold	ls																		
Н	Traditional Style Integral	Manif	folds																	
	Quantity Bonnets - 2-5																			
	Manifold Specifics																			
R T	Integral Manifold – Coplanar ^{TI} 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	1.4401 / 1.4404 / 316 / 316L	F	Duplex UNS S31803	В		UNS S3														
M H	Alloy 400 UNS N04400 Alloy C-276 UNS N10276	D V	Super Duplex UNS S32750 Alloy 625 UNS N06625	т	Titan	ium Gra	ade 2													
	Bonnet																			
A	PTFE	К	O-Ring FKM (FPM by ISO)																	
В	Graphite	W 2	Carbon filled PTFE - TA-Luft Bellows sealed PN 100																	
D E	ISO FE Series Type 1 ISO FE Series Type 3	4	Bellows sealed PN 250																	
	Inlet																			
	Thread Type		Fitting Type			ge Inte														
Ν	NPT	С К	Single Ferrule Tube Fitting Twin Ferrule Tube Fitting	Т	Flang	e Interfa	ace													
	Thread Size		Tube Fitting Sizes		Flan	ge Inte	rface													
4	1/2	4 9	12 resp. 12S 1/2"	3	EN 6	1518 wit	:h 1/4 NF	PT Femal	e – For T	raditiona	l Style Inte	egral Ma	nifolds							
	Outlet																			
	Transmitter Interface	TM																		
TF	Rosemount 2051/3051 Copla																			
В			al order (digits first, then let a Service – For PTFE Packing on																	
F	PCTFE Soft Tip	JAYgen		ily il																
G	POM Soft Tip																			
S A	Stellite Valve Tip Vent Ports Plugged																			
Р	Power Piping ASME B31.1 - F																			
K M	Arctic Operations (-55°C (-6 Wetted Parts with 3.1 certified		- For PTFE Packing only																	
	Operation Options																			
J	Stainless Steel Handwheel w																			
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	IT-Key Lock Bonnet Design																	
	Mounting Bracket Kits																			
7	CST Mounting Bracket AKN		ype for 2" Pipe Mounting supp																	
8 9	-		pe for 2" Pipe Mounting suppli for 2" Pipe Mounting supplied s																	
	Soft Frounding Bracket Alt Is	· 17Pe	ion _ iper rounding supplied s	oparat		110112	ontar illi	paise i ip												

* 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.

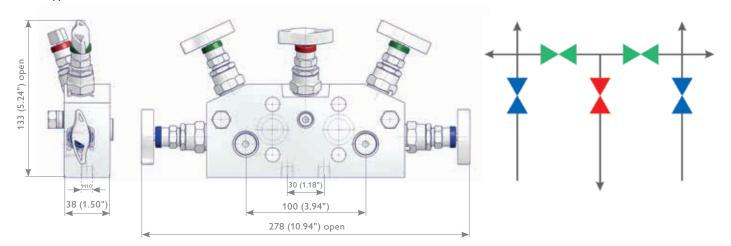
5 Valve Manifolds with Natural Gas Metering Pattern

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.

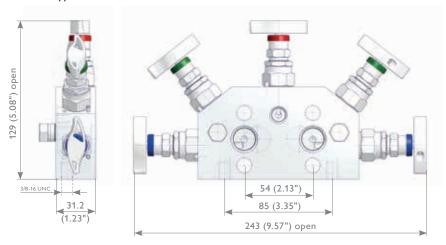
The dimensions shown apply only to the illustrated valves (1/2 NPT Threaded) – if you need the dimensions for your individual type or should you still not find your options at all please contact the factory.

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

										_									1.5	
					1	2	3	4 T	5	6 K	7	8	9	10	11	12	13	14	15 M	16
					5	A	A	-	3	ĸ	-	C	4	~	D	-	A	F	1.1	
5	5 Valve Manifolds with Na	tural	Gas Metering Pattern																	
			U U																	
A	Manifold Type	st Conr	nection 1/4 NPT - Vent Port 1/4 I		Inlet 1/	2 NPT														
D		051 Cop	planar™ Pressure Transmitter – T																	
	Vent Connection																			
A C	1/4 NPT Female 1/4 NPT with Twin Ferrule Tube Fitting 12 mm	E	1/4 NPT with Single Ferrule T	ube Fi	tting 12	S														
	Inlet																			
F	Female																			
Т	Tube Fitting																			
	Material																			
S M	1.4401 / 1.4404 / 316 / 316L Alloy 400 UNS N04400	F	Duplex UNS S31803 Super Duplex UNS S32750	B		UNS S3 nium Gra														
н	Alloy C-276 UNS N10276	V	Alloy 625 UNS N06625		. redi															
	Bonnet																			
А	PTFE	К	O-Ring FKM (FPM by ISO)																	
B	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																			
	Thread Size		Fitting Type		Tub	e Fittin	g Sizes													
N4	NPT	С К	Single Ferrule Tube Fitting Twin Ferrule Tube Fitting	4	12 r	esp. 12S														
	Test Connection																			
А	1/4 NPT Female plugged																			
	Outlet																			
	Transmitter Interface																			
D F	DIN EN 61518-A Rosemount 2051/3051 Copla	anar™ I	Pressure Transmitter																	
			al order (digits first, then let	ters)																
В			Service –For PTFE Packing only																	
F	PCTFE Soft Tip	/8		, 																
G S	POM Soft Tip Stellite Valve Tip																			
А	Vent Ports Plugged																			
P K	Power Piping ASME B31.1 – F Arctic Operations (-55°C (-6																			
M	Wetted Parts with 3.1 certifi																			
	Operation Options																			
J T	Stainless Steel Handwheel v Anti-Tamper Bonnet (Key to																			
R	Anti-Tamper Bonnet (1 Key s																			
Q U	AT-Key Lock Bonnet Design Padlock for Anti-Tamper Bon	inet / A	T-Key Lock Bonnet Design																	
W	Stainless Steel Handwheel																			
1			Fransmitter mounting accor		to DIN	I EN 61	518 - F	or 5AT	ype onl	y (not	for 5DT	ype)								
1 2			Length 2", C.S., PTFE Seal Rings Length 2", S.S., PTFE Seal Rings ³																	
3	Hex Cap Screw 7/16-20 UNI	F, Bolt I	Length 2", C.S., Graphite Seal R	ings																
4	Mounting Bracket Kits	, воіt l	Length 2", S.S., Graphite Seal Ri	ngs*																
7	CST Mounting Bracket AK		D Type for 2" Pipe Mounting									ons								
8	-		D Type for 2" Pipe Mounting su	pplied	separat	ely – Fo	r Vertica	I Impuls	e Piping	Installati	ions									
* Bolt	Material S.S. = 304 Stainless Ste	el I AS	1 M A193 B8 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)

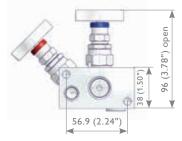
AS-Schneider Enclosure Manifolds EDM Series are manufactured for applications that require the transmitter to be mounted in an enclosure for environmental protection. The standard vent connection is 1/4 NPT female. Pipe plugs are not installed as standard. For plugged vent ports (factory installed) and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

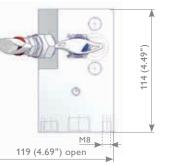
2 Valve Manifolds

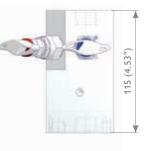
Transmitter Connection

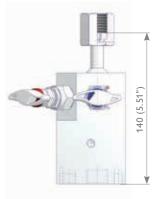
Acc. to DIN EN 61518 E2AA Type

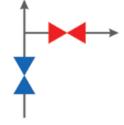


1/2 NPT Female E2AC Type Swivel Nut E2AE Type

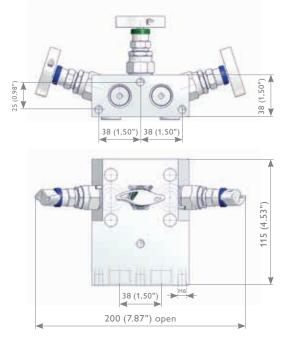


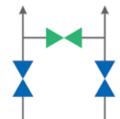




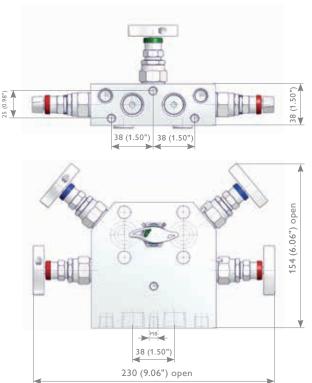


3 Valve Manifolds – Female x Flanged E3AA Type

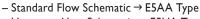




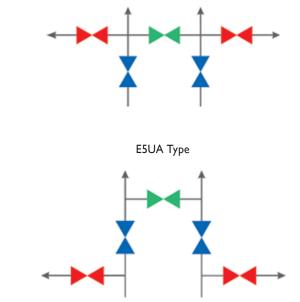
Enclosure Manifolds EDM Series



5 Valve Manifolds – Female x Flanged



– 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	16
				E	5	А	А	S	А	-	Ν	4	Т	D	-	R			
_																			
E	Enclosure Manifolds EDM	Series	;																
	Quantity Bonnets - 2-5																		
	Manifold Specifics																		
А			h Vent Ports 1/4 NPT Female, 3 Val	ve Manifold w	ithout Ve	nt Port													
C U	Vent 1/4 NPT with Tube Fitting Upstream Vent Type (5 Valve M																		
	Inlet x Outlet Configuratio																		
A	Female x Flanged	D	1/2 NPT with Tube Fitting x Fe	male															
В	1/2 NPT with Tube Fitting x	E	Female x Swivel Nut	mare															
С	Flanged Female × 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 6Mo	UNS S3	1254													
М	Alloy 400 UNS N04400	D	Super Duplex UNS S32750		nium Gra														
Н	Alloy C-276 UNS N10276	V	Alloy 625 UNS N06625																
	Bonnet																		
A B	PTFE	K W	O-Ring FKM (FPM by ISO) Carbon filled PTFE – TA-Luft																
D	Graphite ISO FE Series Type 1	2	Bellows sealed PN 100																
Е	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 9	14 resp. 14S 1/2"																
	Outlet																		
	Thread Size -	1	Transmitter Interface																
N4	2 Valve Manifolds only 1/2 NPT Female	TD	DIN EN 61518-A																
G4	G 1/2 Swivel Nut	TE	DIN EN 61518-B																
M4	M20x1.5 Swivel Nut	TF	Rosemount 2051/3051 Coplanar	[™] Pressure Tr	ansmitte	er													
	Options - Specify in alphat letters)	oetical	order (digits first, then																
В		xygen S	Service – For PTFE Packing only																
F G	PCTFE Soft Tip POM Soft Tip																		
S	Stellite Valve Tip																		
A P	Vent Ports Plugged Power Piping ASME B31.1 – Fo	or Gran	hite Packing only																
ĸ	Arctic Operations (-55°C (-67																		
Μ	Wetted Parts with 3.1 certifica	ate																	
J	Operation Options Stainless Steel Handwheel w	ith Loc	king Plate Design																
т	Anti-Tamper Bonnet (Key to b	oe orde	red separately)																
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																		
1	Standard Accessory Kits for Hex Cap Screw 7/16-20 UNF,		nifold to Transmitter mountin angth 2". C.S., PTFE Seal Rings	ng according	g to DII	N EN 6	1518 / 1	EC 615	18										
2	Hex Cap Screw 7/16-20 UNF,	Bolt Le	ength 2", S.S., PTFE Seal Rings*																
3 4			ength 2", C.S., Graphite Seal Rings ength 2", S.S., Graphite Seal Rings*																
	Material S.S. = 304 Stainless Stee																		
14/			re supplied according to NACE M		402		F ()				~ .	2							

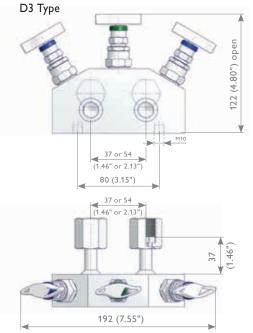
Wetted Parts according to a.m. material list are supplied according to NACE MR0175/MR0103 and ISO 15156 (latest issue) - except Titanium Grade 2. Note: Not every configuration which can be created in the ordering information is feasible / available.

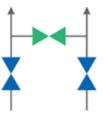
Differential Pressure Gauge Manifolds

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 valves (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.

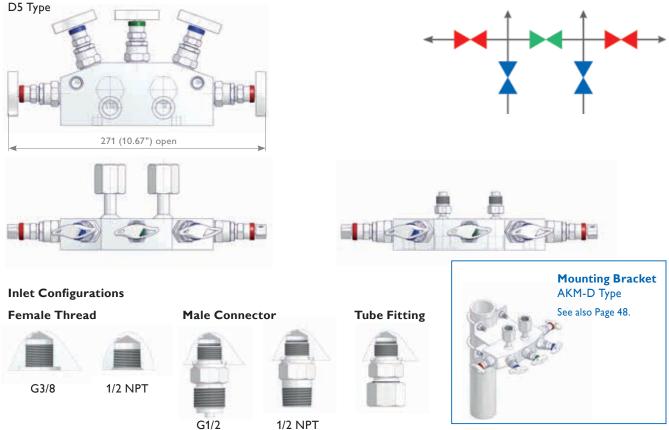
3 Valve Manifolds for Differential Pressure Gauges







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	1
				D	3	В	В	S	A	-	Н	3	G	2	-	8	Μ		
D	Differential Pressure Gauge	Manif	folds																
	Quantity Bonnets – 3 or 5																		
	Manifold Specifics																		
	Thread Size Inlet x Distance	from C	Center to Center for Differen	tial Pr	essure G	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	n																	
A	Female x Swivel Nut	D	Tube Fitting x Swivel Male																
В	Female x Swivel Male	Е	Male Connector x Swivel Nut	:															
С	Tube Fitting x Swivel Nut	F	Male Connector x Swivel Male	e															
	Material																		
S	1.4401 / 1.4404 / 316 / 316L	F	Duplex UNS S31803	В	6Mo U	JNS S312	254												
М	Alloy 400 UNS N04400	D	Super Duplex UNS S32750	т	Titaniu	ım Grad	e 2												
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			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)	ĸ	Twill Ferrule Tube Ficting	9	1/2"	p. 175													
	Outlet																		
	Thread Type																		
G2	G 1/4 Swivel Male																		
G4	G 1/2 Swivel Nut or Swivel Mal	e																	
M4	M 20 x 1.5 Swivel Nut																		
	Options - Specify in alphabe			rs)															
B F	Cleaned and Lubricated for Ox PCTFE Soft Tip	ygen Se	ervice – For PTFE Packing only																
G	POM Soft Tip																		
S	Stellite Valve Tip																		
A	Vent Ports Plugged																		
Н	10,000 psi (689 bar) for PTFE P			te Pac	king														
P K	Power Piping ASME B31.1 – For																		
к М	Arctic Operations (-55°C (-67°F Wetted Parts with 3.1 certificat		r P I FE Packing only																
	Operation Options																		
J	Stainless Steel Handwheel wit	h Lock	king Plate Design																
T	Anti-Tamper Bonnet (Key to be																		
R	Anti-Tamper Bonnet (1 Key sup	plied p	er Valve/Manifold)																
Q	AT-Key Lock Bonnet Design																		
U W	Padlock for Anti-Tamper Bonne Stainless Steel Handwheel	t / AI-K	key LOCK Bonnet Design																
	Accessory Kits																		
7	CST Mounting Bracket AKM-D	Type fo	or 2" Pipe Mounting supplied se	barate	y – For V	ertical Ir	npulse I	Piping In:	stallation	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

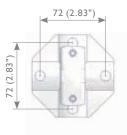
Mounting Bracket Kits for Vertical Impulse Piping Installations

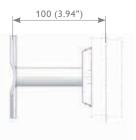
AKM-S Type

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)

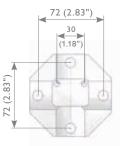






AKM-G Type For Double Block & Bleed Manifolds (Type C)





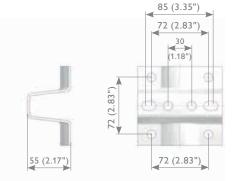


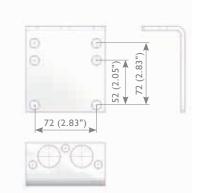
AKM-D Type and AKM-C Type For Manifolds Type D, W and 5

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







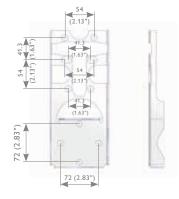


Accessories – Mounting Bracket Kits

Mounting Bracket Kits for Horizontal Impulse Piping Installations

AKM-T Type For Integral Manifolds – Traditional Style

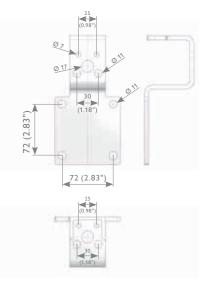




Mounting Bracket Kits for Horizontal and Vertical Impulse Piping Installations

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





Ordering Information

		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	mani	fold				
S	Valves and Manifolds with 1 1/4" Square Valve Body (Type	H, G, №	1 and S)					
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	oplanar	™ Pressu	ure			
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 ai	nd AKI	1-C)				
Н	Mandatory for Manifolds Type H and U-Type Bracket (incl	. Space	-)						



Mounting Bracket Kits on Page 48 and 49 are containing:

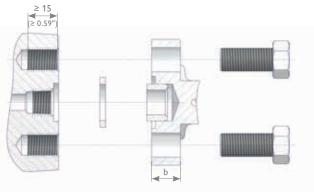
- Mounting Bracket
- 'U' Bolts*

9

- 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



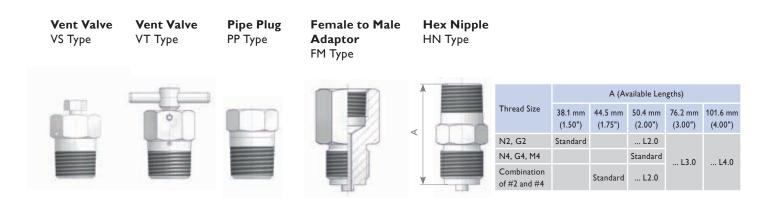
b = Depending on manifold thickness

Ordering Information

			•			-		-	•	•	10		10	42		4-	
		1	2	3	4	5	6	/	8	9	10	11	12	13	14	15	16
		A	К	S	-	н	U	4	C	-	Ρ	A	F	4	4	_	
AKS	Transmitter Mounting Kit																
	Type of Screw																
Н	Hex Cap Screw																
S	Socket Head Cap Screw																
	Thread Size																
U	7/16-20 UNF - For Traditional Style Manifolds (see page 34-37) please use					er											
M	M10 – Max. allowable (Working) Pressure (PS): 160 bar (2,320 psi) – Screv 7/16-20 UNF – Screws supplied with Washers	vs suppl	ied wit	h Was	her												
•••																	
2	Number of Screws and Seal Rings																
2 4	2 Screws and 1 Seal Ring For 2 Valve Manifolds and Oval Flanges 4 Screws and 2 Seal rings For Differential Pressure Manifolds																
5	4 Screws and 1 Seal Ring I For 2 Valve Manifolds Type H2A - For Gauge/	Absolut	e Pres	sure Tr	ansmitte	rs											
8	4 Screws and 4 Seal Rings For Wafer Style Manifolds together with Ova																
	Material*																
С	Carbon Steel I UNF Thread: Hex Cap Screw ASTM A449 - Type 1 I So	ocket H	ead Ca	ip Scre	w ASTM	A574 I											
	Metric Thread: ISO 898-1 Class 8.8			. = .													
S M	304 Stainless Steel I UNF Thread: ASTM A193 B8 Class 2 I Metric Threa 316 Stainless Steel I UNF Thread: ASTM A193 B8M Class 2 I Metric Threa																
F	316 Stainless Steel I UNF Thread: ASTMAT73 Bor Class 2 Theuric Thread	0:150 3	506 A-	-70													
	Seal Ring		BIN			-											
PA	DIN EN 61518 Type A PTFE	PB	PTFE		1518 Tyj	be B											
GA	Graphite	GB	Grap														
FA	O-Ring FPM (FKM by ASTM)		O. up														
	Screw Length																
	UNFThread		Met	ric Th	read												
F25	1"	M25	25 m	m													
F38	1 1/2"	M40	40 m														
F44	1 3/4"	M45	45 m														
F51	2"	M50	50 m	m													
F70 F76	2 3/4" (For Wafer Style Manifold c/w Oval Flange) 3" (For Rosemount 2051/3051 Coplanar™ Pressure Transmitter)																
175																	
	Option																
В	Cleaned for Oxygen Service (only for PTFE Seal Ring \rightarrow Carbon filled PTFI	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

	•		•													
						1	2	3	4	5	6	7	8	9	10	11 - 16
						F	Μ	S	-	Μ	4	Ν	4	-	В	
FM	Female to Male Adaptor															
ΗN			cified in alphabetical resp. ascendin N4 (and not HNS-N4G4) resp. HN													
	Material															
S	1.4401 / 1.4404 / 316 / 316L	F	Duplex UNS S31803	V	Alloy 625 UNS N06625											
М	Alloy 400 UNS N04400	D	Super Duplex UNS S32750	В	6Mo UNS \$31254											
Н	Alloy C-276 UNS N10276	2	Super Duplex UNS S32760	Т	Titanium Grade 2											
	Inlet - FM Type Female Thre	ead														
	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													
Μ	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													
Μ	Metric similar to EN 837-1															
	Options - Specify in alphabe	etical	order (digits first, then letters)													
В	Cleaned for Oxygen Service															
1 # 0	# -> Available Lengths see table	abovo	- For Hex Nipples only													

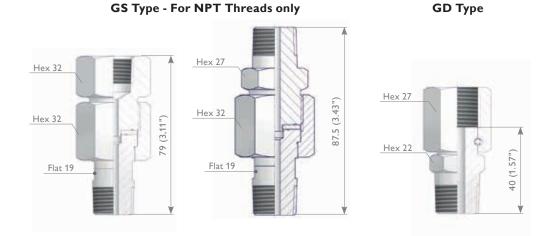
L#.0 # - Available Lengths see table above - For Hex Nipples only

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

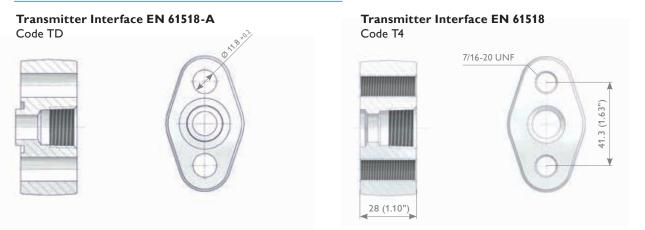
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
				G	S	-	M	M	S	P		N	4	N	4	-	В		
																	-		
GS	Swivel Gauge Adaptors - Scr	owod F	lesign (10 000 psi / 689 bar)																
	Swivel Gauge Adaptors – Wir																		
	Inlet																		
М	Male	F	Female																
	Outlet																		
М	Male	S	Swivel Nut (GD Type)																
F	Female																		
	Material																		
S	1.4401 / 1.4404 / 316 / 316L	F	Duplex UNS S31803	V	Alloy	625 UN	5 N0662	5											
М	Alloy 400 UNS N04400	D	Super Duplex UNS S32750	В	6Mo l	JNS S31	254												
Н	Alloy C-276 UNS N10276	2	Super Duplex UNS \$32760	Т	Titani	um Grad	le 2												
	Seal Ring																		
Р	PTFE (GS Type only*)																		
	Same Material as threaded compo		GS Type only*)																
A	No Seal Ring required (GD Type	only)																	
	Inlet																		
	Thread Type		Thread Size																
	NPT	2	1/4																
	BSP Parallel (G) – EN 837-1	4	1/2																
Н	BSP Parallel (G) – DIN 3852																		
	Outlet																		
	Thread Type		Thread Size																
	NPT	2	1/4																
G	BSP Parallel (G) – EN 837-1	4	1/2																
	Options - Specify in alphabet	ical oro	ler (digits first, then letters)																
В	Cleaned for Oxygen Service																		
М	Wetted Parts with 3.1 certificate																		

 \ast GS Type only: Standard at 1/4 and 1/2 NPT Threaded Options.

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



Ordering Information - Oval Flange (Kidney Flange, Futbol)

						1	2	3	4	5	6	7	8	9	10	11	12
						К	F	F	S	-	Ν	4	Т	D	-	1	
KF	Oval Flange																
	Inlet																
F	Female																
	Material																
S	1.4401 / 1.4404 / 316 / 316L	F	Duplex UNS S31803	V	Alloy 625 UNS N06625												
Μ	Alloy 400 UNS N04400	D	Super Duplex UNS S32750	В	6Mo UNS \$31254												
н	Alloy C-276 UNS N10276	2	Super Duplex UNS S32760	Т	Titanium Grade 2												
	Material Option S as forging, al	l 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)															
TD	Transmitter Interface DIN EN	61518-	A														
T4	Transmitter Interface DIN EN	61518															
	Options - Specify in alphab	etical	order (digits first, then lette	rs)													
В	Cleaned for Oxygen Service (if	forder	ed with Transmitter Mounting K	it – On	ly with PTFE Seal Ring avail	able)											
			o Manifold/Transmitter mou		according to												
			y c/w Wafer Style Manifolds)														
1			oon Steel ASTM A449 - Type 1, 1		•												
2			iless Steel ASTM A193 B8 Cl.2, 1 oon Steel ASTM A449 - Type 1, 1														
3 4			iless Steel ASTM A449 - Type T, T		•												
T	2 Her Cap Screws 7/10-20 UN	n, Judif	1033 Steel AS ITTAT75 B0 Cl.2, 1	Grapi	ince seal initig												

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



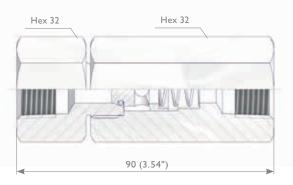
Check Valves

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	-	Μ	
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 2	Duplex UNS S31803 Super Duplex UNS S32750 Super Duplex UNS S32760	V B T	6Mo	625 UI UNS S3 ium Gr		625										
K N	Seal Ring FKM – Fluorocarbon Rubber HNBR – Hydrogenated Nitrile Buta	diene l	Rubber															
Р	FFKM – Perfluorinated 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:

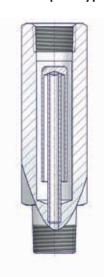
Gauge Protectors

Gauge Snubbers

Compact Syphons

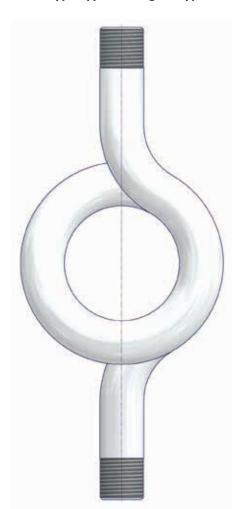


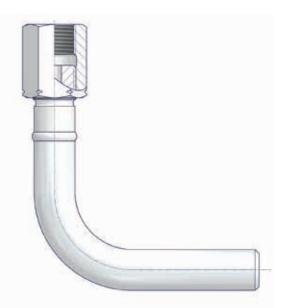




Coil Type Syphons / Pigtail Syphons

Elbows







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