

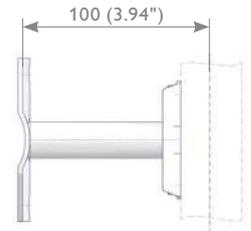
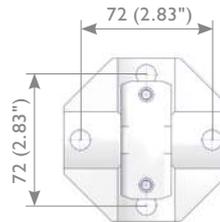
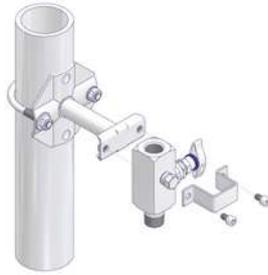
Accessories – Mounting Bracket Kits

B.01.060-E-190416
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Mounting Bracket Kits for Vertical Impulse Piping Installations

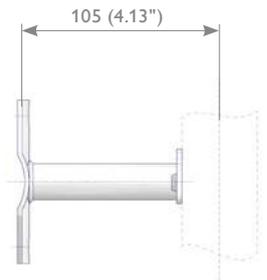
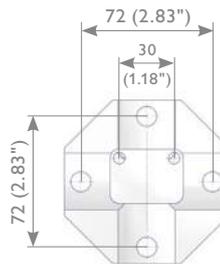
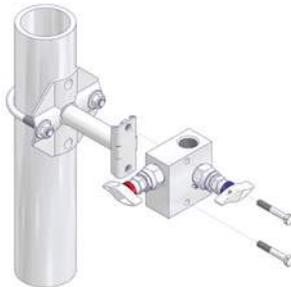
AKM-S Type

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



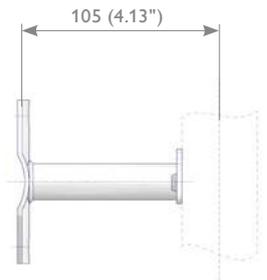
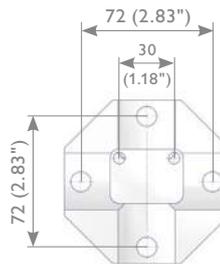
AKM-R Type

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



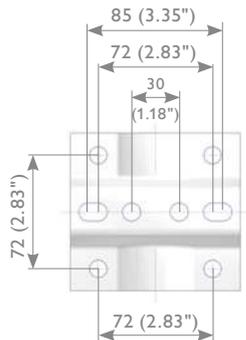
AKM-G Type

For Double Block & Bleed Manifolds (Type C)



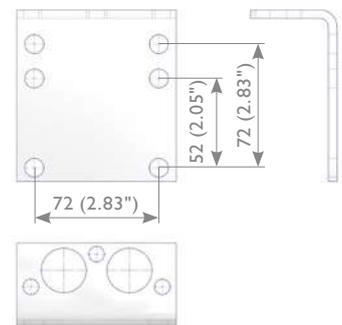
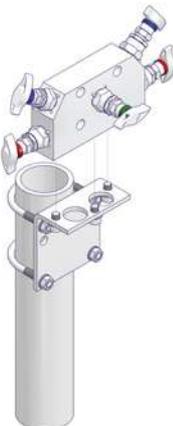
AKM-D Type and AKM-C Type

For Manifolds Type D, W and 5



AKM-B Type

For Wafer Style Manifolds with Bottom Inlet Design

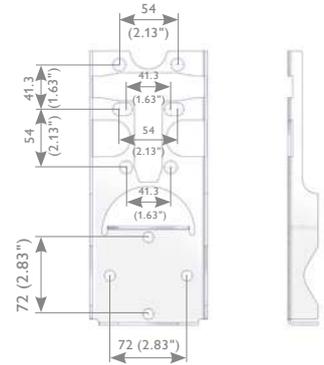


Accessories – Mounting Bracket Kits

Mounting Bracket Kits for Horizontal Impulse Piping Installations

AKM-T Type

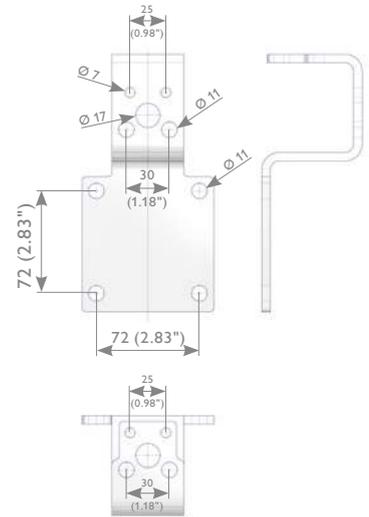
For Integral Manifolds – Traditional Style



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	9
	A	K	M	-	S	P	S	-	
AKM Mounting Bracket Kits									
Mounting Bracket incl. screws for mounting the bracket to the manifold (if applicable)									
S	Valves and Manifolds with 1 1/4" Square Valve Body (Type H, G, M 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								
B	Wafer Style Manifolds with Bottom Inlet Design								
U	Manifolds Type H (not for Integral Manifolds for Rosemount 2051/3051 Coplanar™ Pressure Transmitters)								
	Manifolds Type W (except Bottom Inlet Design)								
	Manifolds Type T								
C	Integral Manifolds - Coplanar™ Style								
T	Integral Manifolds - Traditional Style								
Mounting Method									
P	2" Pipe Mounting – incl. 'U' Bolt, Nuts and Washers								
Material									
C	Carbon Steel zinc plated (only available Mounting Bracket Kit AKM-D and AKM-C)								
S	316 Stainless Steel								
H	Mandatory for Manifolds Type H and U-Type Bracket (incl. Spacer)								

Mounting Bracket Kit

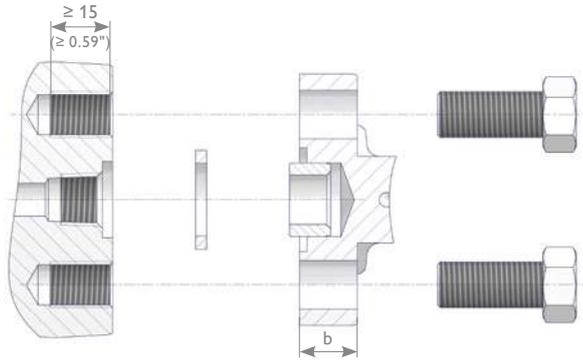
Mounting Bracket Kits on Page 48 and 49 are containing:

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

* Amount depending on bracket type. See illustrations.

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

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



b = Depending on manifold thickness

Ordering Information

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
	A	K	S	-	H	U	4	C	-	P	A	F	4	4			
AKS Transmitter Mounting Kit																	
Type of Screw																	
H	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 Option Code W – Incl. washer																
M	M10 – Max. allowable (Working) Pressure (PS): 160 bar (2,320 psi) – Screws supplied with Washer																
W	7/16-20 UNF – Screws supplied with Washers																
Number of Screws and Seal Rings																	
2	2 Screws and 1 Seal Ring For 2 Valve Manifolds and Oval Flanges																
4	4 Screws and 2 Seal rings For Differential Pressure Manifolds																
5	4 Screws and 1 Seal Ring For 2 Valve Manifolds Type H2A - For Gauge/Absolute Pressure Transmitters																
8	4 Screws and 4 Seal Rings For Wafer Style Manifolds together with Oval Flanges - Screw Length 2 3/4"																
Material*																	
C	Carbon Steel UNF Thread: Hex Cap Screw ASTM A449 - Type 1 Socket Head Cap Screw ASTM A574 Metric Thread: ISO 898-1 Class 8.8																
S	316 Stainless Steel UNF Thread: ASTM A193 B8M Class 2 Metric Thread: ISO 3506 A4-70																
F	316 Stainless Steel UNF Thread: ASTM F593 GP2 CW																
Seal Ring																	
DIN EN 61518 Type A								DIN EN 61518 Type B									
PA	PTFE							PB	PTFE								
GA	Graphite							GB	Graphite								
FA	O-Ring FPM (FKM by ASTM)																
Screw Length																	
UNF Thread								Metric Thread									
F25	1"							M25	25 mm								
F38	1 1/2"							M40	40 mm								
F44	1 3/4"							M45	45 mm								
F51	2"							M50	50 mm								
F70	2 3/4" (For Wafer Style Manifold c/w Oval Flange)																
F76	3" (For Rosemount 2051/3051 Coplanar™ Pressure Transmitter)																
Option																	
B	Cleaned for Oxygen Service (only for PTFE Seal Ring → Carbon filled PTFE)																



* 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!

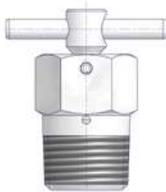
Accessories – Pipe Plugs, Vent Valves, Adaptors

Vent Valves, Pipe Plugs and Pipe Fittings

Vent Valve
VS Type



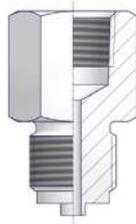
Vent Valve
VT Type



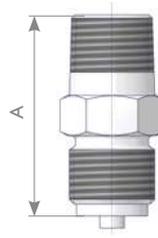
Pipe Plug
PP Type



Female to Male
Adaptor
FM Type



Hex Nipple
HN Type



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

Ordering Information - Pipe Plugs and Vent Valves

				1	2	3	4	5	6	7	8	9	10
				V	S	M	S	-	N	4	-	M	
PP	Pipe Plug												
VS	Vent Valve with Bleed Screw												
VT	Vent Valve with T Handle												
Connection													
M	Male												
Material													
S	1.4401 / 1.4404 / 316 / 316L	F	Duplex UNS S31803	B	6Mo UNS S31254								
M	Alloy 400 UNS N04400	D	Super Duplex UNS S32750	T	Titanium Grade 2								
H	Alloy C-276 UNS N10276	V	Alloy 625 UNS N06625										
Threaded Connection													
N2	1/4 NPT												
N3	3/8 NPT												
N4	1/2 NPT												
Options - Specify in alphabetical order (digits first, then letters)													
B	Cleaned for Oxygen Service												
M	Wetted Parts with 3.1 certificate – Not applicable for Pipe Plug Type PP												

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

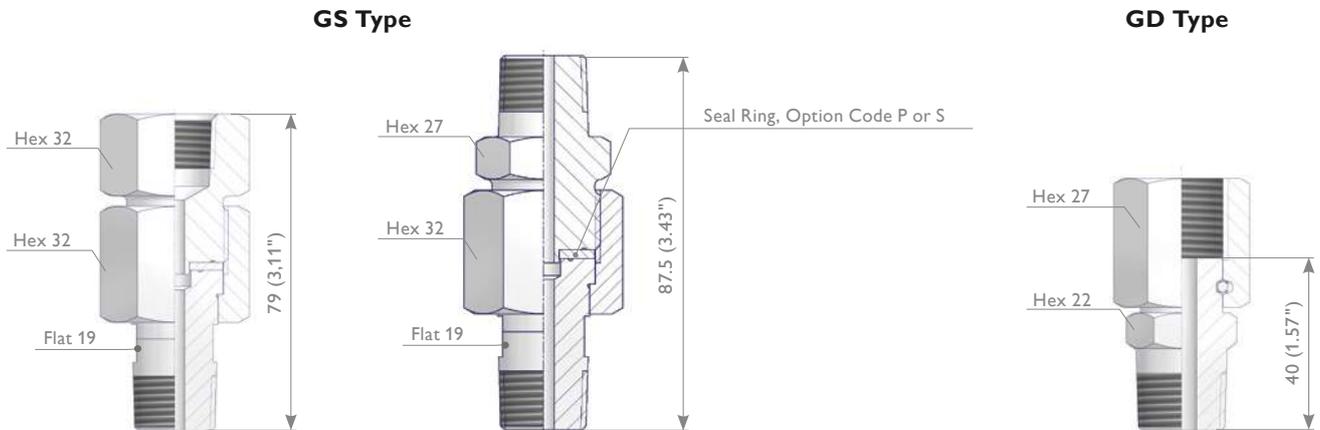
				1	2	3	4	5	6	7	8	9	10	11 - 16
				F	M	S	-	M	4	N	4	-	B	
FM	Female to Male Adaptor													
HN	Hex Nipple – Connections to be specified in alphabetical resp. ascending order. For example HNS-G4N4 (and not HNS-N4G4) resp. HNS-G2G4 (and not G4G2).													
Material														
S	1.4401 / 1.4404 / 316 / 316L	F	Duplex UNS S31803	B	6Mo UNS S31254									
M	Alloy 400 UNS N04400	D	Super Duplex UNS S32750	T	Titanium Grade 2									
H	Alloy C-276 UNS N10276	V	Alloy 625 UNS N06625											
Inlet - FM Type Female Thread														
Thread Type		Inch Size		Metric Size										
N	NPT	2	1/4	4	M20x1.5									
G	BSP Parallel (G) – EN 837-1	4	1/2											
M	Metric similar to EN 837-1													
Outlet														
Thread Type		Inch Size		Metric Size										
N	NPT	2	1/4	4	M20x1.5									
G	BSP Parallel (G) – EN 837-1	4	1/2											
M	Metric similar to EN 837-1													
Options - Specify in alphabetical order (digits first, then letters)														
B	Cleaned for Oxygen Service													
L#.	# → 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	-	B		
GS*	Swivel Gauge Adaptors – Screwed Design (10,000 psi / 689 bar)																
GD	Swivel Gauge Adaptors – Wire Design (6,092 psi / 420 bar)																
Inlet																	
M	Male			F	Female												
Outlet																	
M	Male			S	Swivel Nut (GD Type – G 1/2, Option Code G4 only)												
F	Female																
Material																	
S	1.4401 / 1.4404 / 316 / 316L			F	Duplex UNS S31803			B	6Mo UNS S31254								
M	Alloy 400 UNS N04400			D	Super Duplex UNS S32750			T	Titanium Grade 2								
H	Alloy C-276 UNS N10276			V	Alloy 625 UNS N06625												
Seal Ring																	
P	PTFE (GS Type only)																
S	Same Material as threaded components (GS Type only)																
A	No Seal Ring required (GD Type only)																
Inlet																	
Thread Type		Thread Size															
N	NPT			2	1/4												
G	BSP Parallel (G) – EN 837-1			4	1/2												
H	BSP Parallel (G) – DIN 3852 (GD Type only)																
Outlet																	
Thread Type		Thread Size															
N	NPT			2	1/4												
G	BSP Parallel (G) – EN 837-1			4	1/2												
Options - Specify in alphabetical order (digits first, then letters)																	
B	Cleaned for Oxygen Service																
M	Wetted Parts with 3.1 certificate																

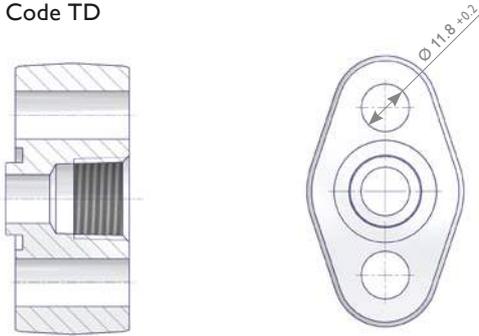
* GS Type only: NPT Threaded Options as standard.

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

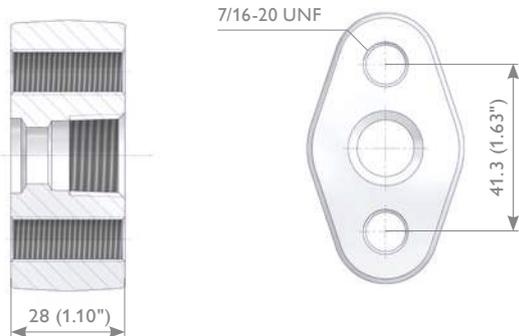
Accessories – Oval Flanges, Anti-Tamper Key

Oval Flanges KF Type

Transmitter Interface EN 61518-A Code TD



Transmitter Interface EN 61518 Code T4



Ordering Information - Oval Flange (Kidney Flange, Futbol)

				1	2	3	4	5	6	7	8	9	10	11	12
				K	F	F	S	-	N	4	T	D	-	1	
KF	Oval Flange														
	Inlet														
F	Female														
	Material														
S	1.4401 / 1.4404 / 316 / 316L	F	Duplex UNS S31803	B	6Mo UNS S31254										
M	Alloy 400 UNS N04400	D	Super Duplex UNS S32750	T	Titanium Grade 2										
H	Alloy C-276 UNS N10276	V	Alloy 625 UNS N06625												
Material Option S as forging, all other materials made from flat bar															
	Inlet														
	Thread Type			Thread Size											
N	NPT	3	3/8												
H	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 alphabetical order (digits first, then letters)														
B	Cleaned for Oxygen Service (if ordered with Transmitter Mounting Kit – Only with PTFE Seal Ring available)														
	Accessory Kits for Oval Flange to Manifold/Transmitter mounting according to DIN EN 61518 – only applicable for Outlet Option TD and TE														
1	2 Hex Cap Screws 7/16-20 UNF, Carbon Steel ASTM A449 - Type 1, 1 PTFE Seal Ring														
2	2 Hex Cap Screws 7/16-20 UNF, Stainless Steel ASTM A193 B8M Cl.2, 1 PTFE Seal Ring														
3	2 Hex Cap Screws 7/16-20 UNF, Carbon Steel ASTM A449 - Type 1, 1 Graphite Seal Ring														
4	2 Hex Cap Screws 7/16-20 UNF, Stainless Steel ASTM A193 B8M Cl.2, 1 Graphite Seal Ring														

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

Anti-Tamper Key ATK Type

ATK-ES Type



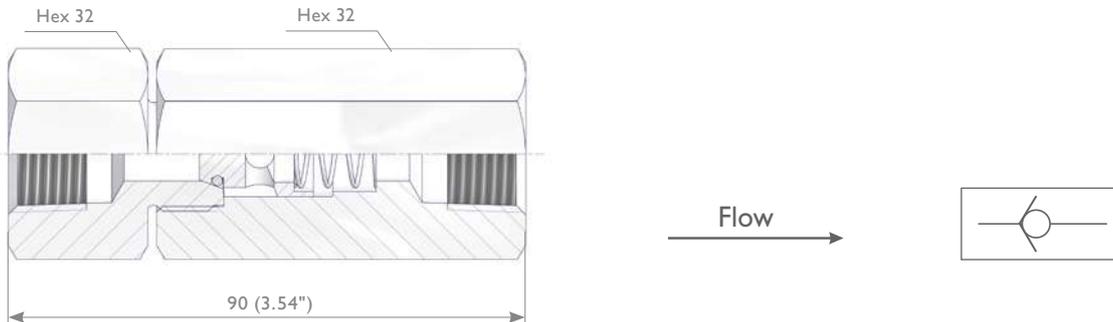
Check Valves

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



Ordering Information - Check Valves

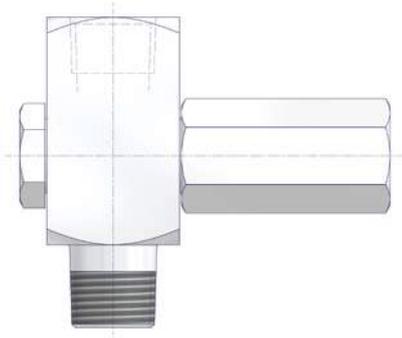
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	C	V	F	F	S	K	-	N	4	N	4	-	M	
CV Check Valve														
Inlet														
M Male														
F Female														
Outlet														
F Female														
Material														
S 1.4401 / 1.4404 / 316 / 316L														
M Alloy 400 UNS N04400														
H Alloy C-276 UNS N10276														
F Duplex UNS S31803														
D Super Duplex UNS S32750														
V Alloy 625 UNS N06625														
B 6Mo UNS S31254														
T Titanium Grade 2														
Seal Ring														
K FKM – Fluorocarbon Rubber														
N HNBR – Hydrogenated Nitrile Butadiene Rubber														
P FFKM – Perfluorinated Rubber														
Inlet														
N2 1/4 NPT														
N4 1/2 NPT														
Outlet														
N2 1/4 NPT														
N4 1/2 NPT														
Options - Specify in alphabetical order (digits first, then letters)														
M 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

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

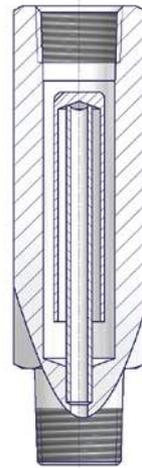
Gauge Protectors



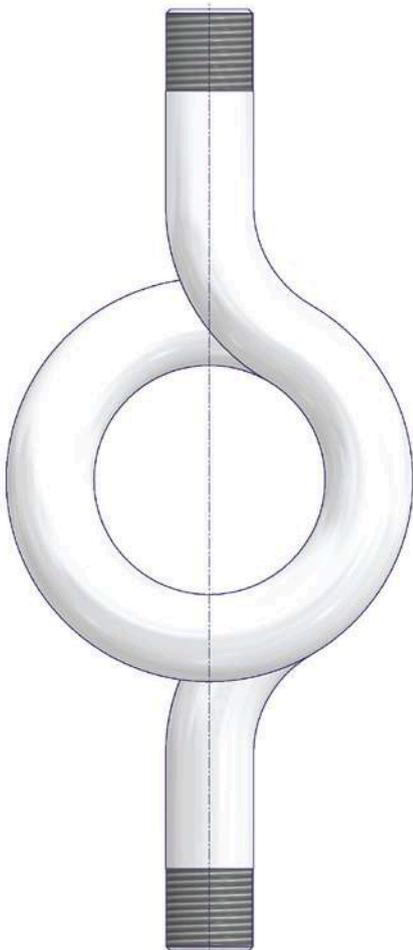
Gauge Snubbers



Compact Syphons



Coil Type Syphons / Pigtail Syphons



Elbows

