

Product Description

AS-Schneider Gauge Syphons are used to protect the pressure gauge from the effect of hot pressure media such as steam and also to reduce the effect of rapid pressure surges. The syphon allows condensate to form and be collected inside the syphon, preventing the hot media (hot vapors, not just steam) from coming in direct contact with the pressure instrument. Also used as freeze protector when used with proper fill fluids.

AS-Schneider is providing 3 different syphon designs. The Coil Syphon is normally used for vertical installations and the U Type Syphon for horizontal installations. The third design is a compact Gauge Syphon which can be used instead of the Coil Syphon. In addition, AS-Schneider is providing pipe connectors where a syphon is not required, such as Elbows and Straight Pipes.

The standard syphons are designed, manufactured and tested according to DIN 16282. The standard pipe dimension is Ø 20 x 2.6 mm. 1/2" pipe (Ø 21.3 mm) dimensions are also available. AS-Schneider is also providing so-called Commercial Style Syphons. These types have a standard pipe dimension of Ø 21.3 x 3.2 mm – using threaded pipe connections instead of weld fittings. The Compact Gauge Syphon is available as standard type and also as integral snubber type.

Standard Features

- The standard DIN 16282 U Type Syphon is bended to the left side, optional also to the right side (see also Page 27).
- Commercial Style U Type Syphons are bended in a single-plane
- Range of application: For liquids, gas, steam and vapors

Surface treatment of Carbon Steel Types:

- DIN 16282 Style: Phosphatized
- Commercial Style: Oiled, optional phosphatized

Certification:

Inspection certificate 3.1 acc. to EN 10 204 for pipe material available on request.

Optional Features

The standard AS-Schneider circular shaped syphons are Coil Syphons. Should you require Pigtail Syphons please contact the factory.

Coil Syphon



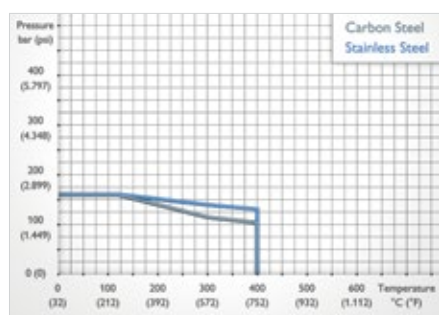
Pigtail Syphon



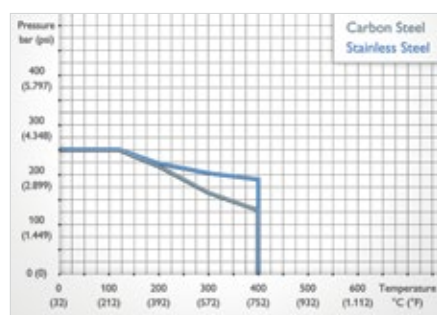
Other Materials, Pressure-Temperature Ratings and Connections on request.

Pressure-Temperature Ratings

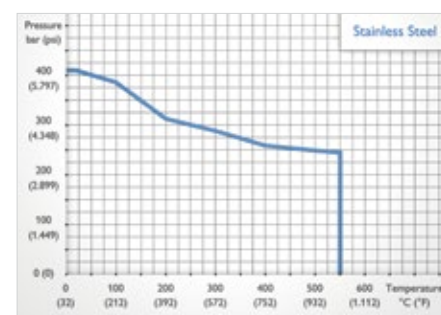
Coil and U Type Syphons and Elbows



Straight Pipes



Compact Gauge Syphon



Components	Carbon Steel	Stainless Steel
	Material / Material No.	
Pipe	1.0345	1.4571
Pipe Connector	1.1141	
Adjusting Nut	Carbon Steel	Stainless Steel

Components	Stainless Steel
	Material / Material No.
Body	1.4571
Tubes	
Swivel Nut	

Syphon Features

Syphon Details

DIN 16282 Style Syphons



Commercial Style Syphons

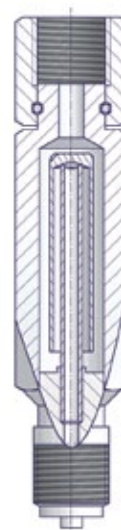


Compact Gauge Syphons

Standard Syphon

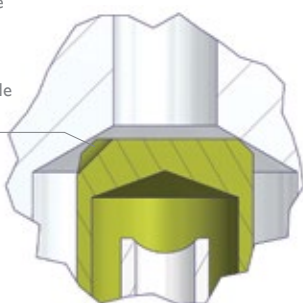


Integral Snubber Type



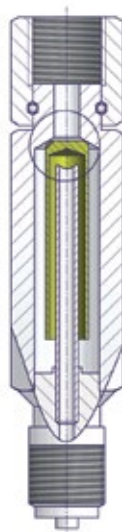
Integral Snubber Type

Slot in deflection tube to minimize pressure surges and equalize pressure all inside the syphon

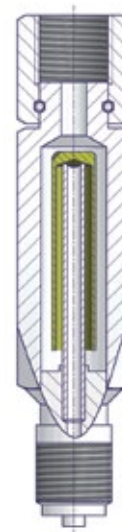


The Integral Snubber Type Syphon eliminates damage due to pressure surges. A slot is providing an auto reset of the deflector tube.

Position of the deflector tube in case of a pressure surge.



Normal operating position of deflector tube.



Applications

Horizontal Installation (horizontal tap)

U Type Syphon orientations

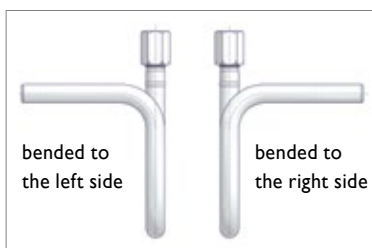
Bended to the left side (standard)



Bended to the right side

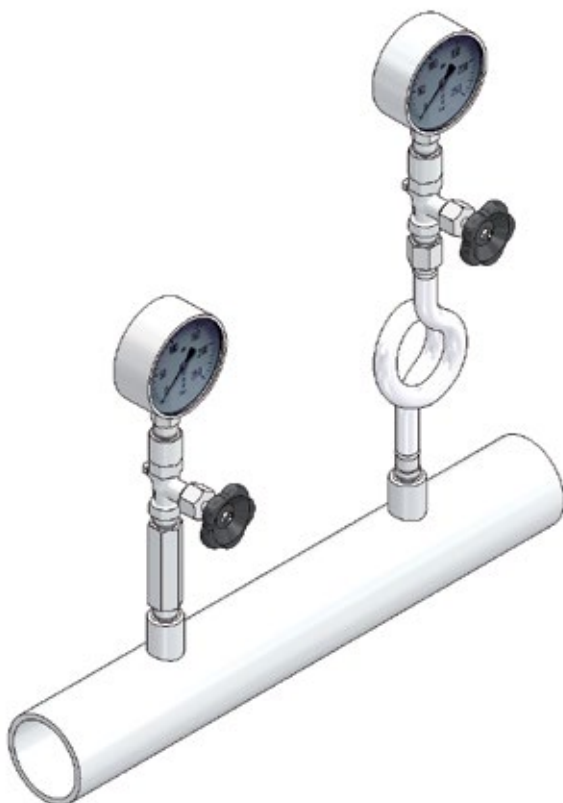


Single-plane bend



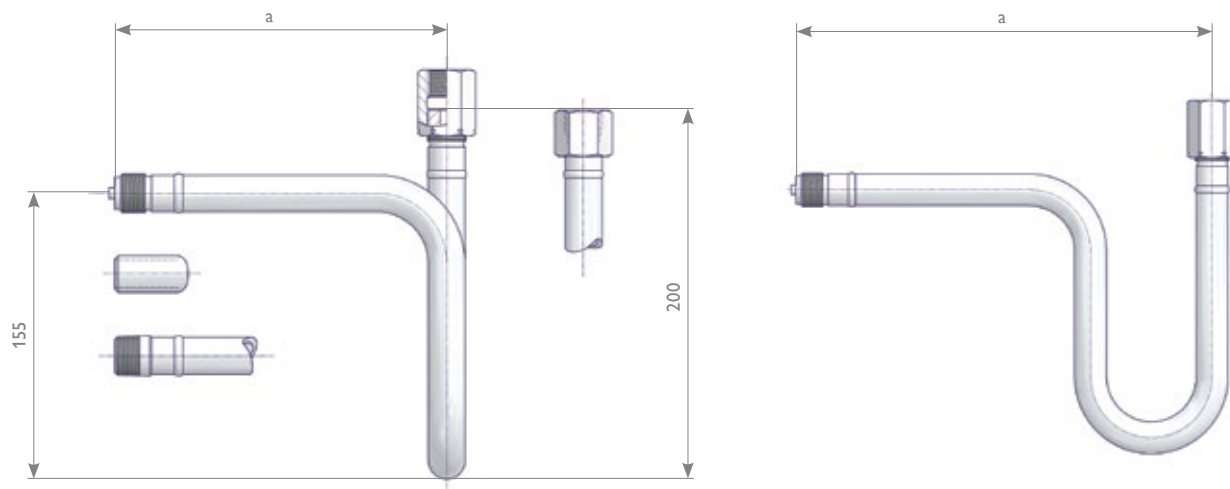
Vertical Installation (vertical tap)

Compact Gauge Syphon and Coil Syphon



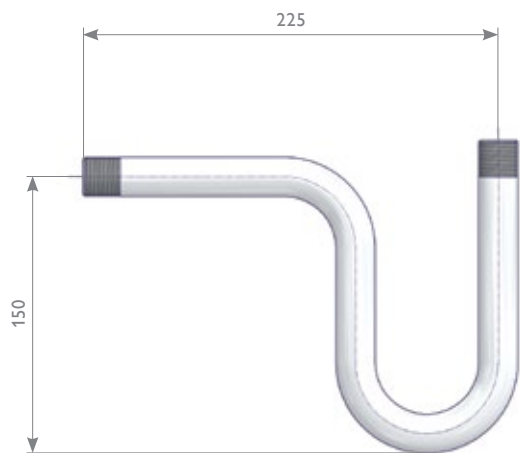
U Type Syphons

Standard Syphons



Inlet	Outlet	Dimension a (mm)	Material	References	Part Number
Butt Weld End Ø 20 x 2.6	G 1/2 Adjusting Nut	145	1.0345	DIN 16282 Type B	S006.07.110
		218		Single-plane bend	S006.07.110.05
		145		Bended to the right side	S006.07.110.20
		218	1.4571	DIN 16282 Type B	S006.07.210
		Single-plane bend		S006.07.210.05	
G 1/2 Male		180	1.0345	DIN 16282 Type A, Rev. 11/1988	S006.07.100
		253		Single-plane bend	S006.07.100.05
		180	1.4571	DIN 16282 Type A, Rev. 11/1988	S006.07.200
	253	Single-plane bend		S006.07.200.05	
Butt Weld End Ø 20 x 2.6	1/2 NPT Female	145	1.0345		S006.07.110.18
			1.4571		S006.07.210.18
1/2 NPT Male	1/2 NPT Female	180	1.0345		S006.07.100.16
			1.4571		S006.07.200.16

Commercial Style Syphons



Inlet	Outlet	Material	References	Part Number
G 1/2 Male	G 1/2 Male	1.4571		S006.07.205.01
		1.0345		S006.07.105.01
	Surface Treatment: Phosphatized		S006.07.105.12	
	G 1/2 Adjusting Nut		Surface Treatment: Phosphatized	S006.07.105.02

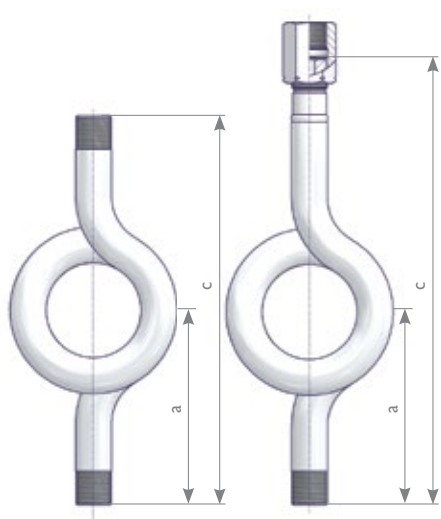
Coil Syphons

Standard Syphons

The image shows a technical drawing of a standard coil syphon. It includes a side view on the left and a front view on the right. The side view shows a vertical pipe with a horizontal loop at the top. The front view shows a vertical pipe with a horizontal loop at the top. Dimension 'a' is indicated as the height from the bottom of the vertical pipe to the top of the horizontal loop. Dimension 'c' is indicated as the total height from the bottom of the vertical pipe to the top of the horizontal loop.

Inlet	Outlet	Dimension (mm)		Material	References	Part Number			
		a	c						
Butt Weld End Ø 20 x 2.6	G 1/2 Adjusting Nut	110	240	1.0345	DIN 16282 Type D	S006.08.110			
				1.4571	DIN 16282 Type D	S006.08.210			
G 1/2 Male		145	275	1.0345	DIN 16282 Type C Rev. 11/1988	S006.08.100			
				1.4571	DIN 16282 Type C Rev. 11/1988	S006.08.200			
1/2 NPT Male				1.0345		S006.08.100.18			
				1.4571		S006.08.200.18			
Butt Weld End Ø 20 x 2.6	1/2 NPT Female	110	240	1.0345		S006.08.100.16			
				1.4571		S006.08.200.16			
				1.0345		S006.08.110.18			
						S006.08.210.18			
M 20 x 1.5 Male	M 20 x 1.5 Adjusting Nut	145	275	1.4571		S006.08.250			

Commercial Style Syphons

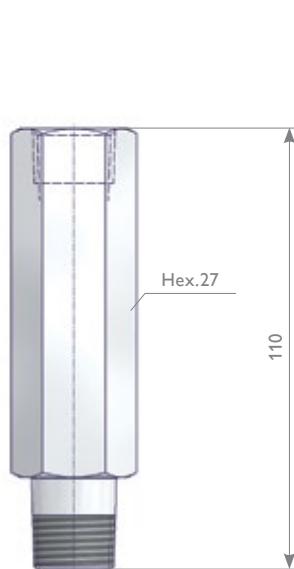


Inlet	Outlet	Dimension (mm)		Material	Special Features	Part Number
		a	c			
G 1/2 Male	G 1/2 Male	115	230	1.0345		S006.08.105.01
					Surface Treatment: Phosphatized	S006.08.105.12
				1.4571		S006.08.205.01
G 1/4 Male	G 1/4 Male	125	250	1.0345		S006.08.105.31
					Surface Treatment: Phosphatized	S006.08.105.15
				1.4571		S006.08.205.31
G 1/2 Male	G 1/2 Adjusting Nut	115	263	1.0345		S006.08.105.02

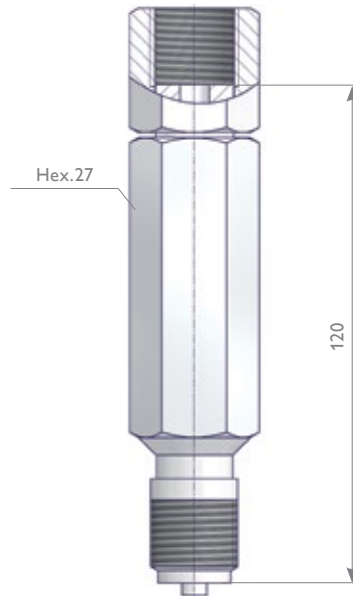
Compact Gauge Syphons | Straight Pipes and Elbows

Compact Gauge Syphons for Vertical Installations

Standard Syphon
1/2 NPT Connection

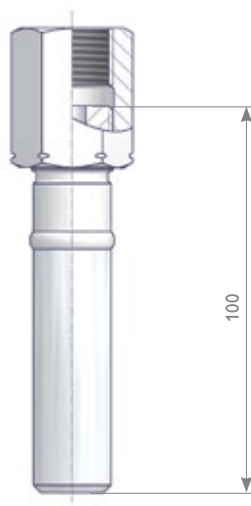


Integral Snubber Type
G 1/2 Connection



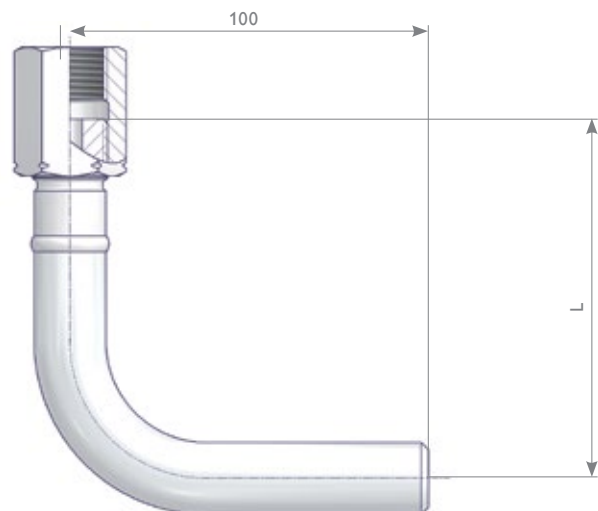
Inlet	Outlet	Material	Part Number
1/2 NPT Male	1/2 NPT Female	1.4571	S006.47.203.05
G 1/2 Male	G 1/2 Swivel Nut		S006.47.201.05

Straight Pipe



Inlet	Outlet	Material	Part Number
Butt Weld End Ø 20 x 2.6	G 1/2 Adjusting Nut	1.0345	S006.17.101.02
		1.4571	S006.17.201.02
	1/2 NPT Female	1.0345	S006.17.101.28
		1.4571	S006.17.201.28

Elbow 90°



Inlet	Outlet	Material	L	Part Number
Butt Weld End Ø 20 x 2.6	G 1/2 Adjusting Nut	1.0345	100	S006.17.100.02
			80	S006.17.102.15
		1.4571	100	S006.17.200.02
			80	S006.17.202.15