Pressure Snubbers

Piston Type Snubbers

- Resist clogging and are self cleaning
- Five different sized pistons included with each snubber to ensure the correct amount of snubbing for virutally every application
- Available in brass and 316 Stainless steel in 1/4 NPT, 1/2 NPT or 7/16-20 SAE-4

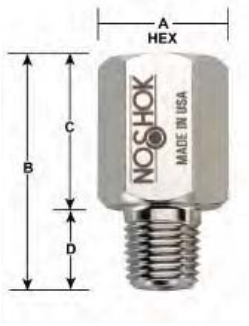
Piston Type Snubbers

Options & Accessories

Piston Type Snubbers Specifications

MODEL NO.	SIZE	MATERIAL	PRESSURE RATING
1325	1/4″ NPT	Brass	6000 psi
1335	7/16-20 SAE-4	Brass	6000 psi
1350	1/2″ NPT	Brass	6000 psi
5025	1/4″ NPT	316 Stainless Steel	15000 psi
5050	1/2″ NPT	316 Stainless Steel	15000 psi

DIMENSIONS		1/4 NPT	1/2 NPT	7/16-20 SAE-4
A	IN	0.812	1.125	0.812
	MM	20.6	28.6	20.6
B	IN	1.60	1.875	1.60
	MM	40.6	47.6	40.6
C	IN	1.04	1.25	1.24
	MM	26.4	31.8	31.5
D	IN	.56	0.625	0.36
	MM	14.2	15.9	9.1



PISTON	SUGGESTED USE
A, B*	Gases
B, C	Water
C, D	Light Oil
E	Heavy Oil

* Snubber assembled and shipped with the B piston installed.

Sintered Snubbers

- Cost effective solution to protect expensive instrumentation
- Increases gauge readability by smoothing out pressure surges, pulsations and spikes
- Eliminates instrument failure due to pressure shock
- 5 basic elements available for each snubber to accommodate specific application needs
- Snubbing action achieved by utilizing a corrosion resistant 316 Stainless Steel sintered porous element
- Exotic materials or intermediate disc grades available on a per order basis
- Provides long service life with no moving parts to wear out

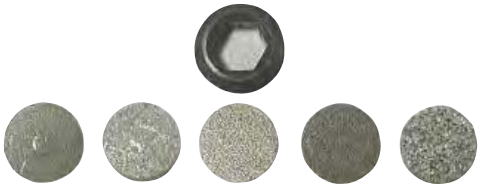
Sintered Snubbers

Options & Accessories

Sintered Snubbers Specifications

MODEL NO.	SIZE	MATERIAL	PRESSURE RATING
1125-X	1/4″ NPT	Brass	6000 psi
1135-X	7/16-20 SAE-4	Brass	6000 psi
1150-X	1/2″ NPT	Brass	6000 psi
5125-X	1/4″ NPT	316 Stainless Steel	15000 psi
5150-X	1/2″ NPT	316 Stainless Steel	15000 psi

NOTE: The "X" in the Model Number denotes the Disc option (example: 1135-C). See chart below for Disc options.


Sintered Snubbers Replacement Discs

DIMENSIONS		1/4 NPT	1/2 NPT	7/16-20 SAE-4
A	IN	0.812	1.125	0.812
	MM	20.6	28.6	20.6
B	IN	1.60	1.875	1.60
	MM	40.6	47.6	40.6
C	IN	1.04	1.25	1.24
	MM	26.4	31.8	31.5
D	IN	.56	0.625	0.36
	MM	14.2	15.9	9.1

Sintered Snubbers Replacement Disc Options

DISC OPTION	MODEL NO.	AVERAGE AIR FLOW ESTIMATE	SUGGESTED USE
A	PD8-A-SS1	0.25 L/MIN @ 1 psi	Gases
B	PD8-B-SS1	0.63 L/MIN @ 1 psi	Gases, Water
C	PD8-C-SS1	1.46 L/MIN @ 1 psi	Water, Light Oil
D	PD8-D-SS1	2.79 L/MIN @ 1 psi	Light Oil
E	PD8-E-SS1	3.14 L/MIN @ 1 psi	Heavy Oil

Pigtail Steam Syphons

Pigtail Steam Syphons

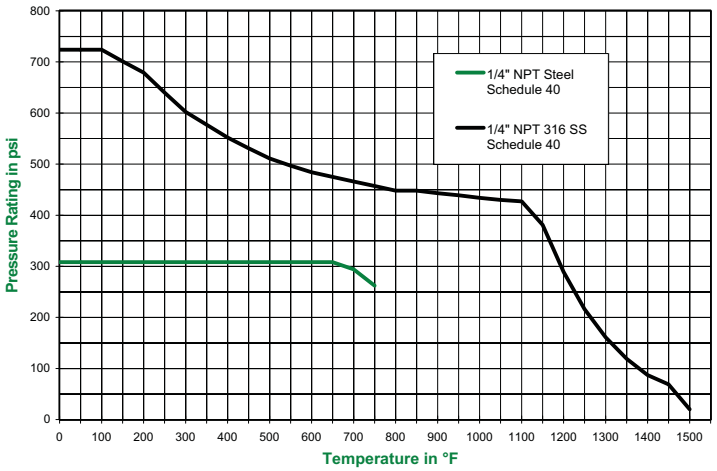
- Protect the instrument from the damaging effects of high temperature steam
- Recommended for use in all steam applications
- Available in 1/4 and 1/2 NPT sizes in welded steel, welded 316 Stainless steel or seamless 316 Stainless steel with ratings to 3,800 psi @ 850º F

Pigtail Steam Syphons

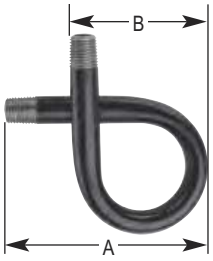
Product Specifications

MODEL NO.	COIL STYLE	SIZE	MATERIAL
1225	90°	1/4″ NPT	Welded Steel, Schedule 40
1250		1/2″ NPT	Welded Steel, Schedule 80
2225		1/4″ NPT	Welded 316SS, Schedule 40
2250		1/2″ NPT	Welded 316SS, Schedule 80
1025	180°	1/4″ NPT	Welded Steel, Schedule 40
1050		1/2″ NPT	Welded Steel, Schedule 80
2025		1/4″ NPT	Welded 316SS, Schedule 40
2050		1/2″ NPT	Welded 316SS, Schedule 80
1425	270°	1/4″ NPT	Welded Steel, Schedule 40
1450		1/2″ NPT	Welded Steel, Schedule 80
2325		1/4″ NPT	Welded 316SS, Schedule 40
2350		1/2″ NPT	Welded 316SS, Schedule 80
1525	360°	1/4″ NPT	Welded Steel, Schedule 40
1550		1/2″ NPT	Welded Steel, Schedule 80
2525		1/4″ NPT	Welded 316SS, Schedule 40
2550		1/2″ NPT	Welded 316SS, Schedule 80

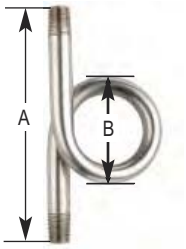
1/4" NPT Steam Syphons Temperature vs. Pressure



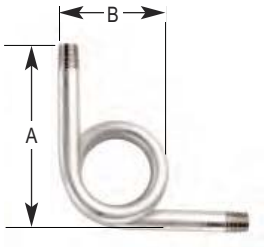
90° Syphon



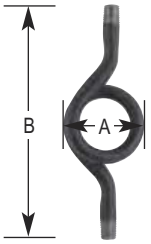
180° Syphon



270° Syphon

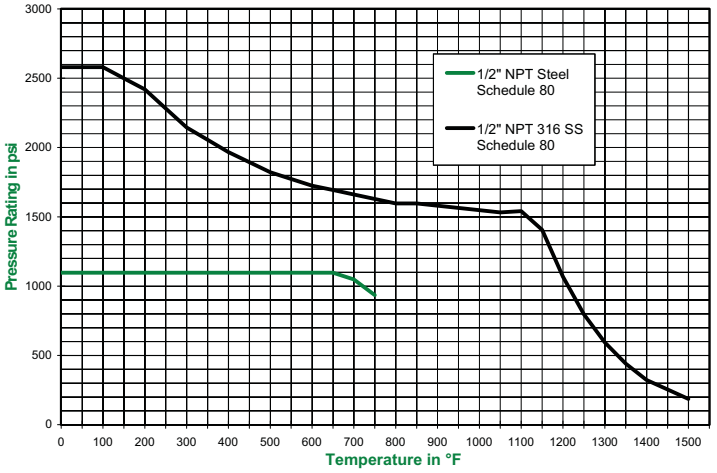


360° Syphon



CONNECTION SIZE			1/4 NPT	1/2 NPT
90°	A	IN	4.25	6.5
		MM	107.95	165.1
	B	IN	2.625	4.0
		MM	66.675	101.6
180°	A	IN	5.5	8.875
		MM	139.7	225.425
	B	IN	2.5	4.0
		MM	63.5	101.6
270°	A	IN	4.5	7.5
		MM	114.3	190.5
	B	IN	2.625	4.0
		MM	66.675	101.6
360°	A	IN	7.25	12.0
		MM	184.15	304.8
	B	IN	2.625	4.125
		MM	66.675	104.775

1/2" NPT Steam Syphons Temperature vs. Pressure



Swivel Adapter

- Temperature ratings: 15,000 psi @ 200° F and 3,000 psi @ 1,000° F
- Used with gauges and gauge valves to adjust the line of sight
- Rotates 360° to allow the connected instrument to be positioned in the desired direction
- The pressure connection is achieved with a tapered cone style compression fitting simply by tightening the swivel hex nut
- All 316 Stainless steel construction
- Standard with 1/2 NPT male process – 1/2 NPT female instrument connections
- Also available with 1/4 NPT connections

Magnetic Spring Contact Switch (MSCS)

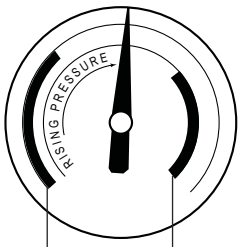
- An excellent choice when an accurate pressure switch is required in addition to a reliable pressure gauge
- Fully adjustable by the user
- These switches are actuated by the pressure gauge pointer to provide accurate field adjustment
- A removable adjustment key makes them tamper-proof
- They operate with an extremely broad power supply, AC or DC up to 250V max. (30W 50 VA), allowing them to be used virtually anywhere in the world in addition to very remote applications with only DC battery pack power available
- Standard units consist of (2) two magnetic spring switches; either one or both switches may be used:
  - Switch (1) one is normally closed
  - Switch (2) two is normally open with operation referenced on rising (or increasing) pressure
- Magnetic Spring Contact Switches are available as a factory installed option on models 40-105, 40-115, 40-400 and 40-410
- The lowest full scale pressure range this switch may be used on is 0 psi to 60 psi because of the increased load on the pointer and bourdon tube
- A matching 4-pin connector with 5 feet of 4-wire and color coded shielded cable is standard

Magnetic Spring Contact Switch

SPECIFICATIONS	
Type of Power	A.C. or D.C. 24 to 250V max
Maximum Amps	1.0 A
Maximum Switching Capacity	30W/50 VA
Gauge Accuracy	Add an additional ±2%
Minimum Magnet Holding Force	1g
Contact Pin Material	Silver Tungsten
Ambient Temperature Limitation	0°F to 140°F (-18°C to 61°C)
Minimum Full Scale Pressure Range	0-60 psi

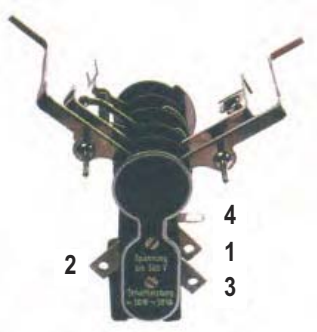
APPLICATIONS

- Air compressors
- Gas compressors
- Hydraulic and pneumatic circuitry
- Die-cast machinery
- Plastic injection molding machinery
- Anywhere accurate off/on switching capabilities based on pressure are required



CONTACT NO. 1
Normally Closed,
Opens on Rising
Pressure

CONTACT NO. 2
Normally Open,
Closes on Rising
Pressure



WIRING AND TERMINAL LOCATION

1. Contact Switch No. 1; Red or Black
2. Contact Switch No. 2; Blue
3. Power; Green or Brown
4. Ground; Yellow/Green Stripe