There's more to a

Ray Pressure Snubber™

than gauge accuracy and protection...



OMS

Operating & Maintenance Specialties, Inc.

A simple, cost-effective solution to damaging pressure surges and shocks.

Through its unique design, the Ray Snubber's™ rugged piston moving within its chamber kicks out the sediment and pipe scale that will clog needle valves, filters, porous metal discs and other designs. While each model is built to exacting specifications with tolerances to ten-thousandths of an inch, the unit-to-unit uniformity and easy piston changing makes installing a Ray Snubber™ into your system a smart choice.

There is a Ray Snubber™ for every application:

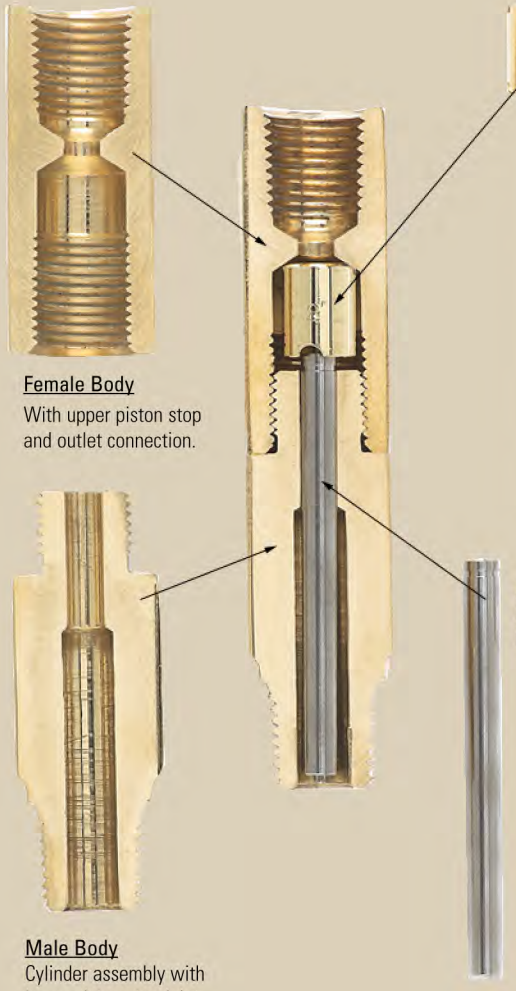
- Brass, Stainless Steel, Aluminum or Monel construction
- Pressure rating from vacuum to 20,000 psi (up to 60,000 psi with special high pressure connections)
- Air, water, gases, petrochemicals
- British taper threads or American NPT
- Over 100 models in stock featuring 12 piston options

To accommodate variations in viscosities, every snubber is delivered with three easily changed, clearly marked pistons for gas, water / light oil and heavy oil. The unique piston movement prevents the clogging that is common with other snubber designs.

Why risk your system's efficiency? Put the protection of a Ray Snubber™ to work for you today.

Center Joint Snubber

- Pistons are easily changed from one size to another.
- Longer orifice offers superior protection.
- Larger piston/cylinder clearances provide enhanced self cleaning.

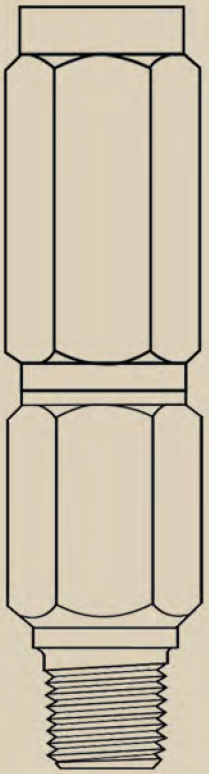


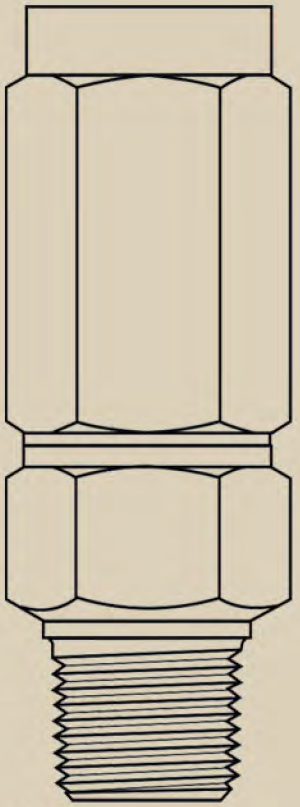
Female Body
With upper piston stop and outlet connection.

Piston
With rod finished to ± .0001. The rugged head has built-in fluid by passes. The head moves between the stops with each surge.

Cylinder
I.D. finished to ± .0002.

Male Body
Cylinder assembly with lower piston stop inlet connection.





Model 010

Model No.	Connections Inlet	Connections Outlet	Body MTRL	Max. PSI	LN.	Hex
010B	¼ NPT	¼ NPT	Brass	3000	3.46	¾
010S			303 Stainless	5000		
010SS			316 Stainless	5000		

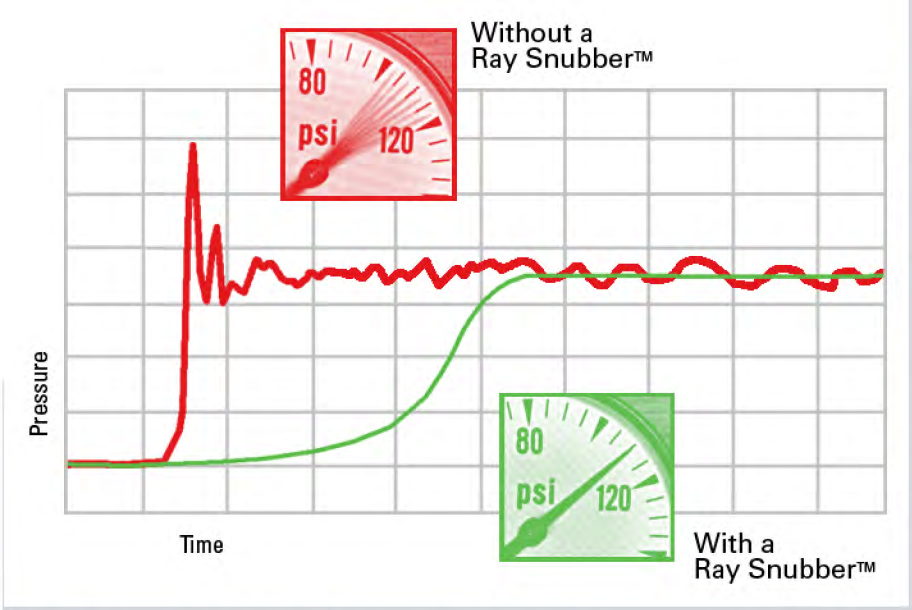
Model 010, 050 & 060 are available in British Taper Pipe Threads: Add BSP to part number.

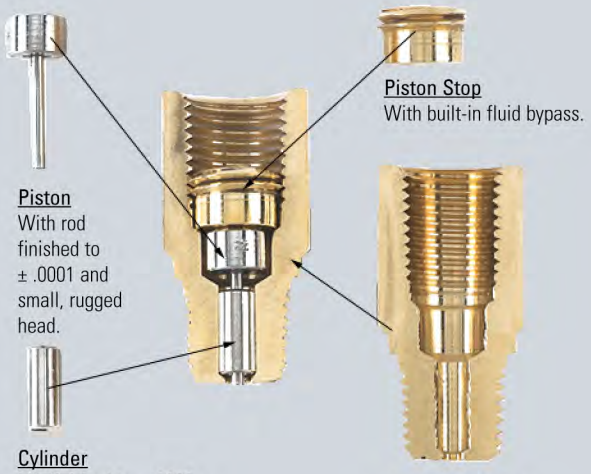
Model 050

Model No.	Connections Inlet	Connections Outlet	Body MTRL	Max. PSI	LN.	Hex
050B	⅜ NPT	⅜ NPT	Brass	5000	3.61	1⅛

Model 060

Model No.	Connections Inlet	Connections Outlet	Body MTRL	Max. PSI	LN.	Hex
060B	½ NPT	½ NPT	Brass	5000	3.61	1⅛
060S			303 Stainless	10,000		
060SS			316 Stainless	10,000		





Piston Stop
With built-in fluid bypass.

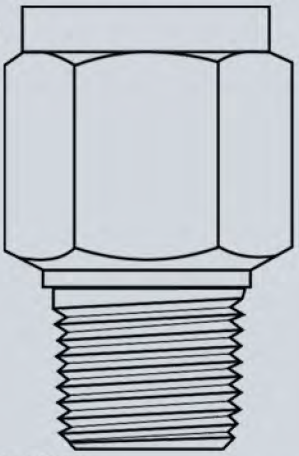
Piston
With rod finished to ± .0001 and small, rugged head.

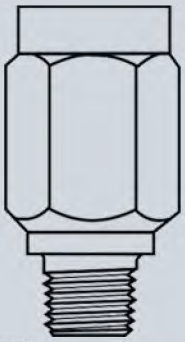
Cylinder
I.D. finished to ± .0002.

Body & Cylinder
With lower piston stop, inlet and outlet connection.

Solid Body Snubber

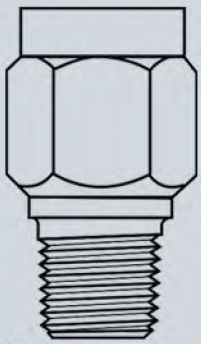
- Shorter length ideally suited for installation with space constraints
- Less material equals less cost
- More end connection fittings available





Model 047

Model No.	Connections Inlet	Connections Outlet	Body MTRL	Max. PSI	LN.	Hex
047B	⅛ NPT	⅛ NPT	Brass	3000	1.5	11/16
047S			303 Stainless	5000		
047SS			316 Stainless	5000		



Model 022

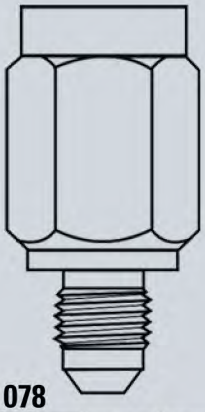
Model No.	Connections Inlet	Connections Outlet	Body MTRL	Max. PSI	LN.	Hex
022B	¼ NPT	¼ NPT	Brass	5000	1.5	¾
022M			Nickel-Copper (Monel)	5000		
022S			303 Stainless	15,000		
022SS			316 Stainless	15,000		

Available in British Taper Pipe Threads: Add BSP to part number.

Model 023

Model No.	Connections Inlet	Connections Outlet	Body MTRL	Max. PSI	LN.	Hex
023B	½ NPT	½ NPT	Brass	5000	2	1⅛
023M			Nickel-Copper (Monel)	5000		
023S			303 Stainless	15,000		
023SS			316 Stainless	15,000		

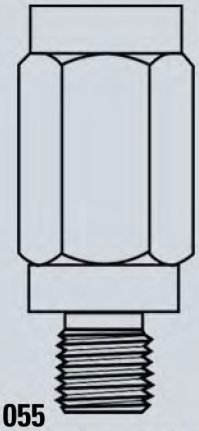
Available in British Taper Pipe Threads:
Add BSP to part number.



Model 078

Model No.	Connections Inlet	Connections Outlet	Body MTRL	Max. PSI	LN.	Hex
078B	¼ Tube	¼ NPT	Brass	3000	1.75	¾
078S			303 Stainless	5000		

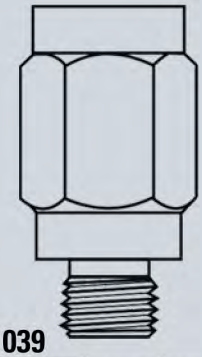
Tube angle is 37° with 7/16-20 threads.



Model 055

Model No.	Connections Inlet	Connections Outlet	Body MTRL	Max. PSI	LN.	Hex
055M	¼ Tube	O-Ring Seal	Nickel-Copper (Monel)	6000	1.85	11/16
055SS			316 Stainless	6000		

Inlet is to MS33514-4 & SAE J514, commonly called flareless bite type. Outlet is to MS16142. Both threads are 7/16-20.
Nuts, ferrules &/or O-rings must be ordered separately.



Model 039

Model No.	Connections Inlet	Connections Outlet	Body MTRL	Max. PSI	LN.	Hex
039B	O-Ring Seal ¼ Tube	O-Ring Seal ¼ Tube	Brass	3000	1.5	11/16
039M			Nickel-Copper (Monel)	6000		
039SS			316 Stainless	6000		

Outlet is to MS16142. Both threads are 7/16-20. O-rings are available.

The Ray Snubber™ protects gauges and other sensitive instruments that function as windows to your system's operation.

By absorbing damaging pulsations and surges, the snubber keeps accurate data flowing so you can keep your system performing at peak efficiency.

As a leader in the industrial market our stringent manufacturing standards on per-unit monitoring has qualified us as a vendor of choice and integral part of our nation's defense... from aviation and missile launch systems to surface and subsurface vessels.



The Ray Pressure Snubber™ "takes the pressure off" to assure that your sensors are performing at their best.

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