

EXCESS FLOW CHECK SNUBBER

A simple, low-cost method of protecting both plant personnel and valuable instruments. Suitable for either bourdon tube or diaphragm type, it...

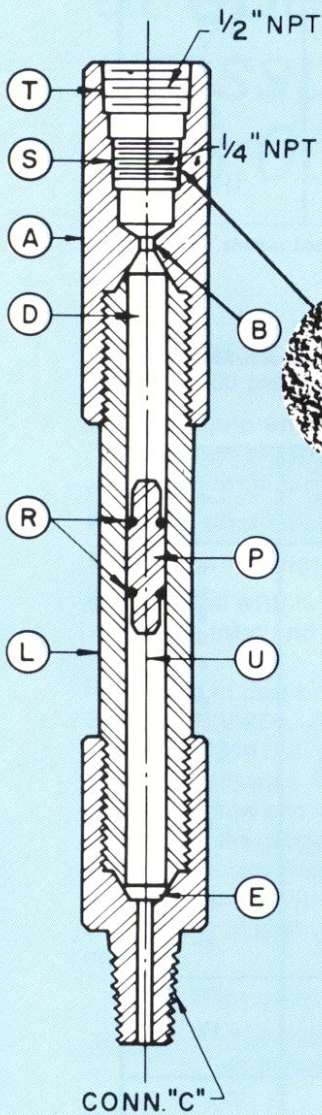
- prevents the escape of noxious, toxic or flammable liquids or gases in the event of instrument rupture;
- completely isolates instrument from pressure actuating medium;
- maximum working pressure—30,000 psi;
- prevents transmission of surges or pulsations;
- is designed not to plug, clog or fail;
- has just one moving part which moves only a fraction of an inch, resulting in virtually no mechanical wear.

The Excess Flow Check Snubber of Type 316 stainless steel has an overall length of 6" approximately. It consists of a free bobbin type piston (P), equipped with two Buna "N" or Viton O Ring (R) for positive mechanical seal, assembled into a cylinder (L) which is carefully honed and lapped to provide a good mechanical bearing surface. In operation, the instrument and cylinder are completely filled with light mineral oil, glycerine or other low viscosity non-corrosive liquid. Pressure applied upstream of the piston (U) causes movement in the piston which is directly transmitted to the instrument through the filled, sealed system.

A specially-designed Chemiquip porous metal snubber (S) is built into the sealed side (A) of the device. The snubber smooths out transient surges or pulsations, preventing their transmission to the pressure instrument, yet permitting a full scale equilibrium reading of the instrument within three seconds. For unusual requirements, specially calibrated snubbers are available.

For assembly to the pressure instrument, a 1/2" npt female threaded connection is provided. For pressure instruments equipped with 1/4" npt threads, a 1/4" npt x 1/2" npt reducing bushing, Part No. RB2, is available.

In the event of instrument rupture pressure upstream of the piston (U) forces the piston (P) to the opposite end of the cylinder (L), closing the port (B) and thus prevents loss of product, at pressures as high as 30,000 psi. Since the snubber is built into the sealed end of the device, there is no danger of contamination of its porous material with entrained solids suspensions which may be present in the pressure-actuation medium.



- CONN."C"
- 5-RMB
 - 15-RMB
 - 15-RMC
 - 15-RMD

Cat. No.	Maximum Operating Pressure (psi)	Connection C
5-RMB	5,000	1/4" npt male
15-RMB	15,000	1/4" npt male
15-RMC	15,000	3/8" npt male
15-RMD	15,000	1/2" npt male
30-RHM 4	30,000	1/4" male high pressure tubing
30-RHM 6	30,000	3/8" male high pressure tubing
15-RAF 1	15,000	1/8" female taper seal tubing
15-RAF 2	15,000	1/8" female taper seal tubing
30-RHF 2	30,000	1/8" female high pressure tubing
30-RHF 4	30,000	1/4" female high pressure tubing
30-RHF 6	30,000	3/8" female high pressure tubing
30-RHF 9	30,000	3/8" female high pressure tubing

