

Designed for use with hydraulic and pneumatic systems in Industry...

FOR AIRCRAFT, REFRIGERATION AND AUTOMOTIVE APPLICATIONS

100% Inspection

Each Snubber is individually tested for flow rate before shipping

CHEMIQUIP POROUS METAL

- Eliminate pressure instrument failure due to hydraulic or pneumatic shock
- Smooth out pressure impulses and fluctuations
- Remove harmful solids from actuating fluid
- Assure steady average pressure readings

The key to the superior performance and efficiency of Chemiquip Pressure Snubbers is the corrosion-resistant porous membrane used as the snubbing element. A product of electric furnace technology, the porous metal disc is fabricated by sintering pre-alloyed, type 316 stainless steel powder, or other corrosion-resistant materials, in an electric furnace. The powder particles are firmly welded at their tangent points to create a mechanically stable structure with a tensile strength of 20,000 psi. There is absolutely no evidence of particle migration regardless of the magnitude of the pressure, shock, or longevity of service.

The particle size of the powder determines the pore opening. The standard flow capacity of the snubber is

adjusted by using the pore size most suited to the viscosity of the pressure-actuating medium. Various pore sizes are available for use with oils, water, gases or mercury.

With a Chemiquip Snubber, positioned up-stream of a pressure-sensitive instrument, the instrument response to system pressure changes is at a rate in proportion to the pressure differential across the snubber element. A moderately rapid, smooth response of the pressure-sensitive instrument is obtained, free of transient surges or pulsations. The snubber is calibrated to give an equilibrium reading, up-scale or down-scale, in approximately 2-3 seconds.

Instrument failure due to pressure shock is eliminated.

CHEMIQUIP SNUBBERS can also be connected to any line:

- for filtration of small quantities of fluids (for example, flue gas sampling);
- as a metering device (fluid to be metered should be free of suspended solids-inclusions);
- a variety of other applications (see following pages).

The myriads of minute pores in the porous disc resist clogging by solids suspensions, a frequent occurrence with single orifice types of snubbers. Small and compact, the Chemiquip Snubber is easily cleaned. It is inexpensive; has no moving parts to be out of order or wear. Before shipping, all male threads of Chemiquip Snubbers are wound with TEPTape™ Thread Sealant (see Back Cover) to assure 100% sealing.

CHEMIQUIP SNUBBERS CONFORM WITH U.S. MILITARY SPECIFICATIONS

Chemiquip Snubbers conform with Specifications MIL-S-2940B (Dampeners, Fluid Pressure, Gauge Protection). In addition to style and size of ports specified, Chemiquip Snubbers are available with a wide variety of other sizes and connections.

