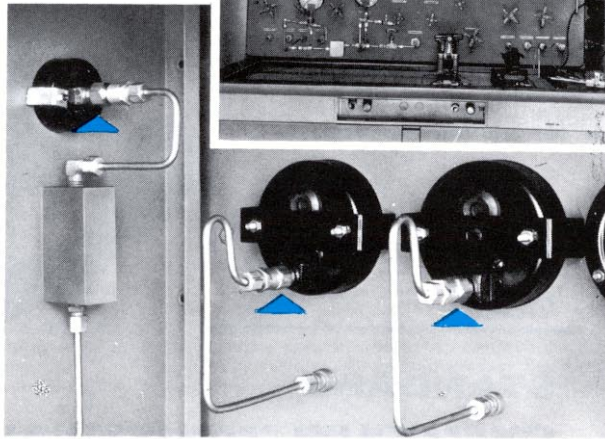


Chemiquip snubbers protect pressure gages on test station for HAWK MISSILES, Raytheon Co., Andover, Mass. Produced for the U.S. Army.

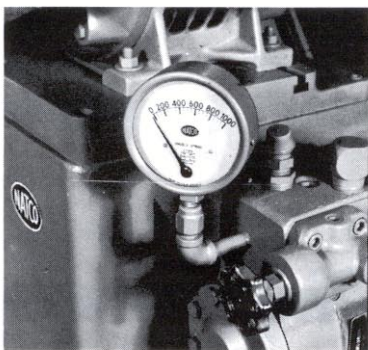


TYPICAL INDUSTRIAL APPLICATIONS FOR CHEMIQUIP POROUS METAL PRESSURE SNUBBERS

DAMPENING PULSATIONS: Systems which establish pulsations—such as reciprocating machines or force pumps—require protection for the pressure-sensitive instruments assembled to them. The snubber is designed to afford a mean average pressure-response with a maximum of accuracy.

DAMPENING SURGES: If the pressure-sensitive instrument is unprotected in systems where high pressure may be suddenly vented, the mechanism will be damaged or the pointer broken, bent or shifted up scale. These snubbers are calibrated to give an equilibrium reading either up or down scale in about 2-3 seconds.

PRESSURE SNUBBERS



High pressure hydraulic Natco pump. Snubber protects gage from rotary pump pulsations.



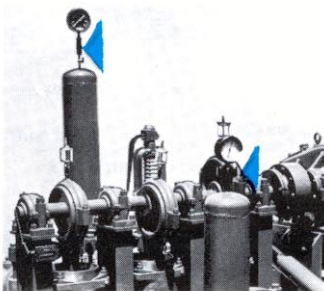
Kent-Moore power steering tester. Snubber damps pump pulsations.

FOR FILTERING SMALL QUANTITIES OF LIQUIDS OR GASES: The porous membrane in the snubber provides a surface upon which droplets of oil or moisture suspended in a gaseous phase may coalesce. Hence it is possible to remove small quantities of such liquids. When the snubber is used as a filter, particles $\frac{1}{2}$ the pore diameter, or smaller, are effectively removed. Information concerning pore size and permeability can be supplied on request.

FOR METERING: Many types of instruments and machines require that a certain amount of liquid or gas be constantly bled. Here the pressure snubber replaces capillary tubing which is much more cumbersome, harder to control and shows a greater tendency toward plugging. Throughput rates may be supplied in an infinite variety.

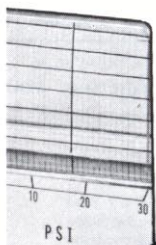
FOR MERCURY - TYPE INSTRUMENTS: The snubber dampens pulsations and surges and also confines mercury in the tube. Mercury will not penetrate the Grade HX snubber at pressures under 25 psi. Finer grades of snubbers will confine the mercury at higher pressures.

NOTE: The snubber may be effectively adapted for use with systems containing high concentrations of suspended solids by filling the bourdon tube of the gage with glycerin, light viscosity oil or non-miscible fluid and capping the Pressure Instrument connection with a snubber.

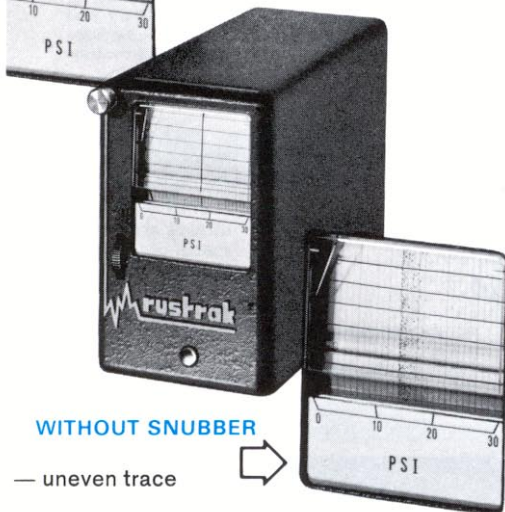


Carter Triplex Piston Pump. Used in oil refining and chemical processing.

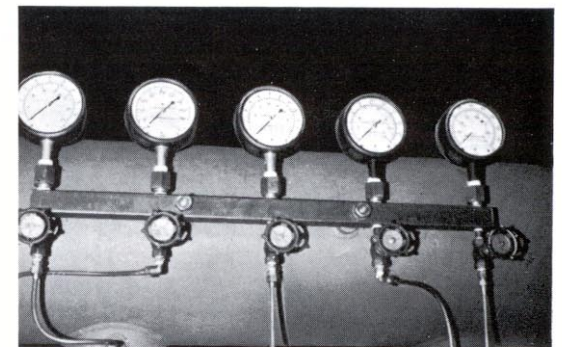
Snubber steadies trace on Rustrak Pressure Recorder No. 162 at chemical processing plant.



← **WITH SNUBBER**
— smooth even trace



WITHOUT SNUBBER
— uneven trace →



Norwalk 5-stage air compressor. Snubbers protect the pressure gages on each stage.