

Super High-Pressure Snubbers

The Chemiquip Super High-Pressure snubber is designed for the protection of pressure gauges or other pressure devices when they are called upon to work under the extremes of pressure instrument encountered in many chemical processing, refining and synthesizing industry processes.

The porous snubbing element is available in standard porosities for use with a wide variety of liquid viscosities and gases. When the snubber assembly is placed in the line just ahead of the pressure instrument, the instrument reacts to line pressure changes at a rate which is proportional to the pressure differential across the porous membrane. This results in a modularly rapid, but smooth, action of the instrument which is free of fluctuation or pulsations. The snubber element is calibrated to permit equilibrium readings upscale or downscale in approximately three seconds. When it is used with a pulsing system, a mean average pressure reading can be expected with an error to the order of magnitude of 1%. Unlike other types of pressure snubbers, chemiquip porous stainless-steel snubbers resist plugging in service. This freedom from plugging results from the large porous surface which is exposed to the actuating media. The porous material will not erode in service.



- Housing is easily disassembled for cleaning or service
- No moving parts
- Fabricated from Stainless Steel Type 316 for maximum operating Pressures of 30,000 psi or 60,000 psi.
- Unique design, utilizing an O-Ring seal makes it possible to contain pressures to 60,000 psi without applying extreme force to threaded connections.
- Special designs or threaded connections are available to order.

Snubber Element (When ordering, please specify both housing and snubbing element catalog numbers.)

| Catalog # | Type of Service: | Viscosity range | Housing Material | Net Weight |
|-----------|--------------------------------|--------------------------|----------------------------------|------------|
| HP-50C | High Viscosity Fluids | over 500 S.S.U. | Series 300 Stainless Steel | 3 oz. |
| HP-50D | Heavy Oil | 225 S.S.U. to 500 S.S.U. | | |
| HP-50E | Water & Light Oils | 30 to 225 S.S.U. | | |
| HP-50F | Vapor and Low Viscosity Fluids | under 30 S.S.U. | | |
| HP-50G | Air or other Gases | | | |
| HP-50HX | Pulsating Gas | | | |
| HP-50HXX | Extreme Gas Pulsation | | | |

Housing 30,000psi

| Catalog # | Tubing Connection (AMINCO) "A" | Pipe Connection "B" | Housing | Net Weight | Length "L" |
|-----------------|-----------------------------------|--------------------------------|--------------------------------|------------|---------------|
| 30-31 HF-4B-GS | ¼" | ¼" NPT | Type 316 Stainless Steel | | 4 - 3/16" |
| 30-31 HF-4-GS | | ¼" TUBE AMINCO (9/16" - 18NF2) | | | |
| 30-31 HF-6B-GS | ¾" | ¼" NPT | | | |
| 30-31 HF-6-GS | ¾" | ¼" TUBE AMINCO (¾" -16NF2) | | | 4-9/16" |
| 30-31 HF-4-D-GS | ¼" | ½" NPT | | | |
| 30-31 HF-6D-GS | ¾" | ½" NPT | | | |

Housing 60,000psi

| | | | | | |
|-----------------|----|------------------------------|--------------------------------|--|-----|
| 60-31 HF-4B | ¼" | ¼" NPT | Type 316 Stainless Steel | | 5½" |
| 60-31 HF-4-GS | | ¼" TUBE AMINCO (9/16"-18NF2) | | | |
| 60-31 HF-6B-GS | ¾" | ¼" NPT | | | |
| 60-31 HF-6-GS | ¾" | ¼" TUBE AMINCO (¾"-16NF2) | | | 6" |
| 60-31 HF-4-D-GS | ¼" | ½" NPT | | | |
| 60-31 HF-6D-GS | ¾" | ½" NPT | | | |

Special designs, Materials or threads are available to order

