KELE Install Sheet

Number 47 Snubber Piston Installation

As Shipped Packaging

Typical Installation

Specifications:

Process Connections	Inline (1/8” MNPT and 1/8” FNPT)
Construction	
47B	Brass
47S	Stainless Steel
Pressure Rating	
47B	3000 PSIG
47S	5000 PSIG
Temperature	400°F (204°C)
Mediums	Water, air, thick liquids
Piston Buffer	Comes with 3 (Size is imprinted on each one)
Piston #02	Low snubbing effect (Low pressure water or air)
Piston #2	Medium snubbing effect (Typical for water or air in HVAC systems)
Piston #3	High snubbing effect (Large water pumps in industrial application)
Dimensions	See Below

Application:

Snubbers will stop shocks and pulsations that damage pressure instruments, thus cutting costs of maintenance, calibration, and repair. They will also assure accuracy of the instruments and the readings, increase life of instruments, and prevent false operation of control equipment. This is especially needed within 5 feet of a pump where the pump impeller induces a pulsing pressure in the fluid which affects pressure measuring devices.

Operation:

Snubbers incorporate a piston that moves up and down inside of an internal tube within the snubber. This movement of the piston, caused by the shocks and pulsations of the fluid, dampens the effect of these pulsations.

Components:

Model 47 comes with three piston sizes: #02, #2, and #3. Piston #2 is installed in the factory in the snubber. It is used for most applications, such as water and air. The #3 piston is used for a greater snubbing effect, while the #02 piston is used for relatively thick fluids or low pressure water applications. There is a disk plate that be taken out with a flat head screwdriver. The body is a one-piece Brass or Stainless Steel barrel machined from bar stock.

Piston Insertion Directions:

- Remove the Disk in the middle (Fig.1) of the Instrument end of the snubber (fig.2) with a flat head screwdriver.
- Remove the old piston (if there is one) and replace it with a new piston (Pointy end in first).
- Then install the disk once more to hold the piston in place.

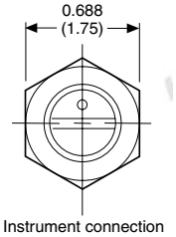

Fig. 1 (Top View)

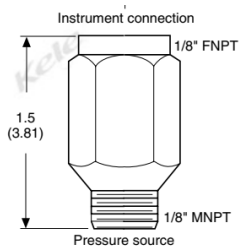

Fig. 2 (Side View)

Fig 3 (Photo w/#2 piston installed & #02 & #3 in package)