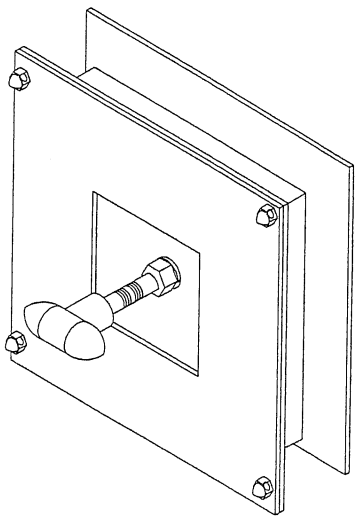
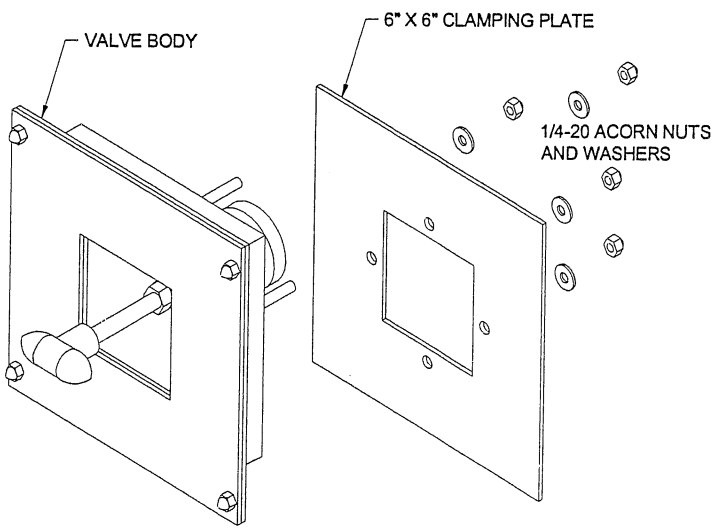
Installation Instruction for Pressure Relief Valve

INS-PRV



1 Kit Contains: 1 - Pressure Relief Valve
1 - 6" x 6" Clamping Plate
4 - ¼-20 Acorn Nuts (type 316 stainless steel)
8 - ¼" Flat Washers (type 316 Stainless Steel)



Installation:

Preparing the door: A 5" square hole (+/- 1/16") must be made in the door to accommodate the valve body. It must be relatively square (+/- 1/16"). And all burrs must be removed. Reinforce the door at the 5" square hole so that the clamping action of the valve body does not distort the faces of the door.

> Generally the valve is located within a reasonable distance to the latching handle so that the user can depress the valve to equalize the pressure and, while holding the valve open, operate the door latch to allow the door to open.

Remove the four (4) stainless steel acorn nuts and washers to allow the 6" x 6" clamping plate to be removed from the valve body. Insert the valve body through the 5" square hole previously cut into the door. (The valve body is to be inserted through the hole from the "**HIGH**" pressure side; with the 6" x 6" clamping plate mounting on the "**LOW**" pressure side). Replace the 6" x 6" clamping plate onto the threaded studs. Replace the flat washers and acorn nuts. Tighten the acorn nuts to compress the 1/8" thick sponge neoprene to approximately 1/32" to 1/16".

Operate the valve to check for free movement. Recheck the acorn nuts. Make sure that the nuts are "snug".

Apply an approximately 1/8" bead of 100% silicon caulk to the flanges of the valve body where it meets the door skin. (The 1/32" to 1/16" space caused by the compressed sponge neoprene gasket). Allow the silicon caulk to cure 24 hours prior to heavy usage.

Operation:

> **From the "HIGH" pressure side** pull on the "T" handle to allow the air to flow through the valve and equalize the pressure. (Please note: the time required to equalize the pressure is dependent on the differential pressure and must be determined by the user).
>
> **From the "LOW" pressure side** press on the round knob to allow the air flow through the valve and equalize the pressure. (Please note: the time required to equalize the pressure is dependent on the differential pressure and must be determined by the user).