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Installation and Maintenance Instructions for BELLOWSFIRE SEAL™ Pipe Penetrating Bellows Seal

- 1) There are two models of the BellowsFire Seal. One for seismic applications and one for non-seismic. The seismic model will allow space around the penetrating pipe in accordance with NFPA13.
- 2) Visually inspect the bellows for any damage that may have occurred during shipping or storage. If there are any dents or other visible damage to the bellows or its components, the entire unit should be replaced.
- 3) The penetrating opening in the wall/floor or ceiling should be large enough to allow the penetrating pipe to pass through the opening. But not so large that the base plate does not have sufficient structure to be bolted around the opening.
- 4) In seismic applications NFPA13 requires an additional 1" gap all around the penetrating pipe and the opening in sizes 3" nominal and down. For sizes over 3" nominal a 2" gap is required all the way around the outside of the penetrating pipe as it passes through the opening.
- 5) The alloy of the bellows element should be compatible with any expected exterior environment. If installed in applications where this may be a concern, consult with factory for recommendations on bellows element alloy.
- 7) The penetrating pipe should be of a similar alloy to the piping system.
- 8) Temporarily place the baseplate against the penetrating hole and mark where bolts will be placed around the hole in the surface being penetrated.
- 9) Fasteners suitable for the material of the floor/ceiling or wall must be used to attach the base plate to the opening.
- 10) The sealing face of the base ring must be clean and free of any debris.
- 11) The fire rated sealant 3M™ CP 25WB+ should be spread all across the face of the base ring, prior to bolting to the penetrating surface.
- 12) While the sealant is still wet the base plate is bolted around the opening. Any excess sealant that oozes out from under the baseplate while tightening may be removed.
- 13) The mating piping should be properly supported so that the bellows fire seal is not carrying the load of the piping system.
- 14) Connect the mating piping to each end of the Bellows Fire Seal.

Maintenance

The BellowsFire Seal requires no maintenance other than periodic inspection for external damage and possible repainting of carbon steel surfaces. If damage is found during inspection the unit should be replaced.



Failure to follow Flex-Hose installation, operation, and maintenance instructions may result in product failure, leakage, property damage, serious injury or death. Installation and service must be performed by qualified personnel in accordance with applicable instructions, codes and industry standards.

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