



National Fire Equipment Ltd.



Technical Specifications Hood Penetration Seals

Product Description:

The NFPA 96 Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations establishes minimal requirements for construction of hoods and ducts in commercial kitchen ventilation systems. NFPA 96 section 5.1.2 requires all penetrations of hood enclosures must be welded or sealed by listed devices that does not distract from the hood's or duct's structural integrity. The standard requires that all seams and joints must be sealed by a liquid-tight, continuous external weld or listed mechanical devices providing a liquid-tight seal. The Evergreen Quik-Seal® for hood penetration was an industry first, giving installers an approved method of replacing the expense and time consuming welding around the pipe at point of penetration of the hood. The fittings are manufactured of carbon steel with a nickel/chrome plate finish. The high-temperature gasket makes a liquid-tight seal between the fitting and hood or duct surface. The entire plated fitting is secured with a lock washer and nut.

Benefits:

Designed to stop leakage of grease from inside the hood or duct to outside of the hood or duct at the hole created for the fire suppression system piping • tested and listed with Underwriters Laboratories under the classification "Hood and Duct Accessories" and compatible with UL listed fire suppression systems • in conformance with the requirements of NFPA 17, 17A, 33 and 96 Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations • ideal for sealing around hose and pipe on vehicle fire suppression systems, gas station fire suppression and storage lockers

Options:

Evergreen Quik-Seal®

The Quik-Seal adapter is designed to stop leakage of grease from inside the hood or duct to outside the hood or duct at the hole created for the fire suppression system piping. The Quik-Seal accepts cut pipe of conduit with threaded ends.

Evergreen Quik-Seal® for Corner Pulley

Specifically designed to handle the tough-to-get-to area between the kitchen fire suppression corner pulley and the ventilation hood.

Evergreen Compression Seal

Designed to give liquid-tight seal around the outside of tubing, pipe or EMT conduit thus eliminating cutting and threading of the pipe at the point of penetration, making installation easier and faster. The compression seal is tested to a differential pressure of over 100-psi from one side of the installed fitting to the other.

Evergreen Quik-Patch®

The Evergreen Quik-Patch gives a liquid-tight seal around an unwanted hole. With the Quik-Patch the unwanted holes are plugged with a safe and attractive fitting. The Quik-Patch is made of the same robust materials as the Quik-Seal and Compression Seal fittings.

Blind Fittings (NEW)

The unique fitting design allows installation of seals from one side of the penetration when access to the backside is not convenient or possible (patent pending).



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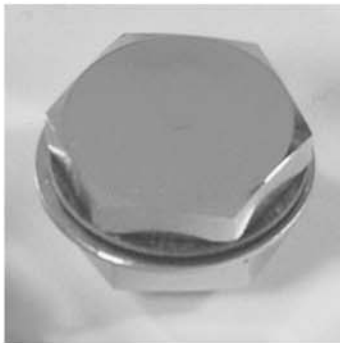
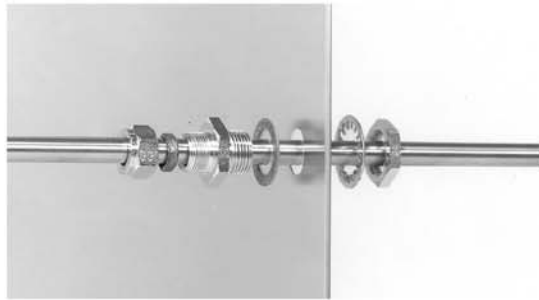
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Evergreen Quik-Seal®	
Size	Part No.
1/4" pipe	218
3/8" pipe "A" 1 1/8" hole	170
3/8" pipe "B" 7/8" hole	899
1/2" pipe	171
3/4" pipe	172
1" pipe	213
1 1/4" pipe	265
1 1/2" pipe	268

Evergreen Quik-Seal® for Corner Pulley	
Size	Part No.
7/8" - 18 UNS x 1/2" NPT Thread	430
15/16" - 20 UNS x 1/2" NPT Thread	682

Evergreen Quik-Patch®	
Size	Part No.
3/4" to 7/8" hole	285
7/8" to 1" hole	916
1 1/8" to 1 5/16" hole	205
1 3/8" to 1 9/16" hole	689
1 5/8" to 1 7/8" hole	694

Evergreen Compression Seal®	
Size	Part No.
1/4" tube	881
3/8" tube	300
1/2" tube & 1/4" pipe	301
5/8" tube & 3/8" pipe	302
1/2" EMT conduit	303
1/2" pipe	304
3/4" pipe	305
1" pipe	306

Evergreen Blind Compression Seal	
Size	Part No.
1/2" EMT conduit	1106
5/8" tube & 3/8" pipe	1172
1/4" tube	1185



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Technical Specifications Quik-Fastener

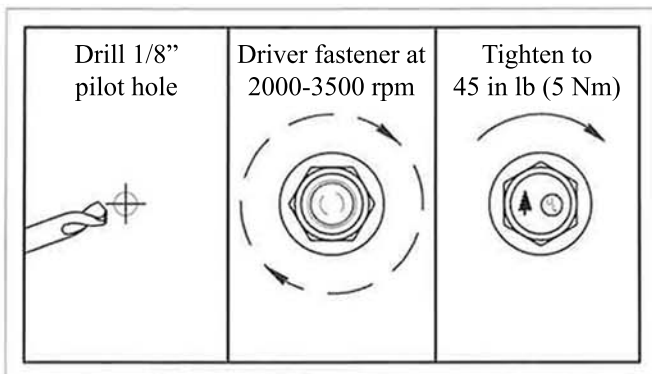
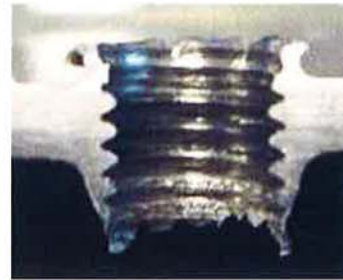
Accessories The NFPA 96 Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations section 5.1.2 requires all penetrations of hood enclosures must be welded or sealed by listed devices. The Standard includes screws, bolts and fasteners. The Evergreen Quik-Fasteners combines the thread producing features of the screw with a high temperature thread jamming coating. The friction from installing the screw activates the thread jammer to assure the grease tight seal. The unique screw design develops thread in the stainless steel sheet for a structurally secure engagement. This product is listed by Underwriters Laboratory. The package includes a double ended 1/8" pilot drill with a 135 degree split point designed for drilling through stainless steel.



Simply pre-drill the holes and use the simple magnetic driver to drive the fastener.

Benefits:

- Two step installation
- Removable when system design changes
- Patch unwanted holes with the fastener
- Take just seconds to install
- UL listed to meet the requirements of NFPA 96.5.1.2



Installation Instructions

Part No.	Description
1404	Evergreen Quik-Fastener (pkg of 24) with double ended 1/8" pilot drill
1399	Double ended 1/8" pilot drill
1395	10mm Magnetic Power Driver

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