

THROUGH-PENETRATION FIRESTOP SYSTEM

Assembly Usage Disclaimer

Search Parameters

Manufacturer

Holdrite

XHEZ - Through-penetration Firestop Systems

XHEZ7 - Through-penetration Firestop Systems Certified for Canada

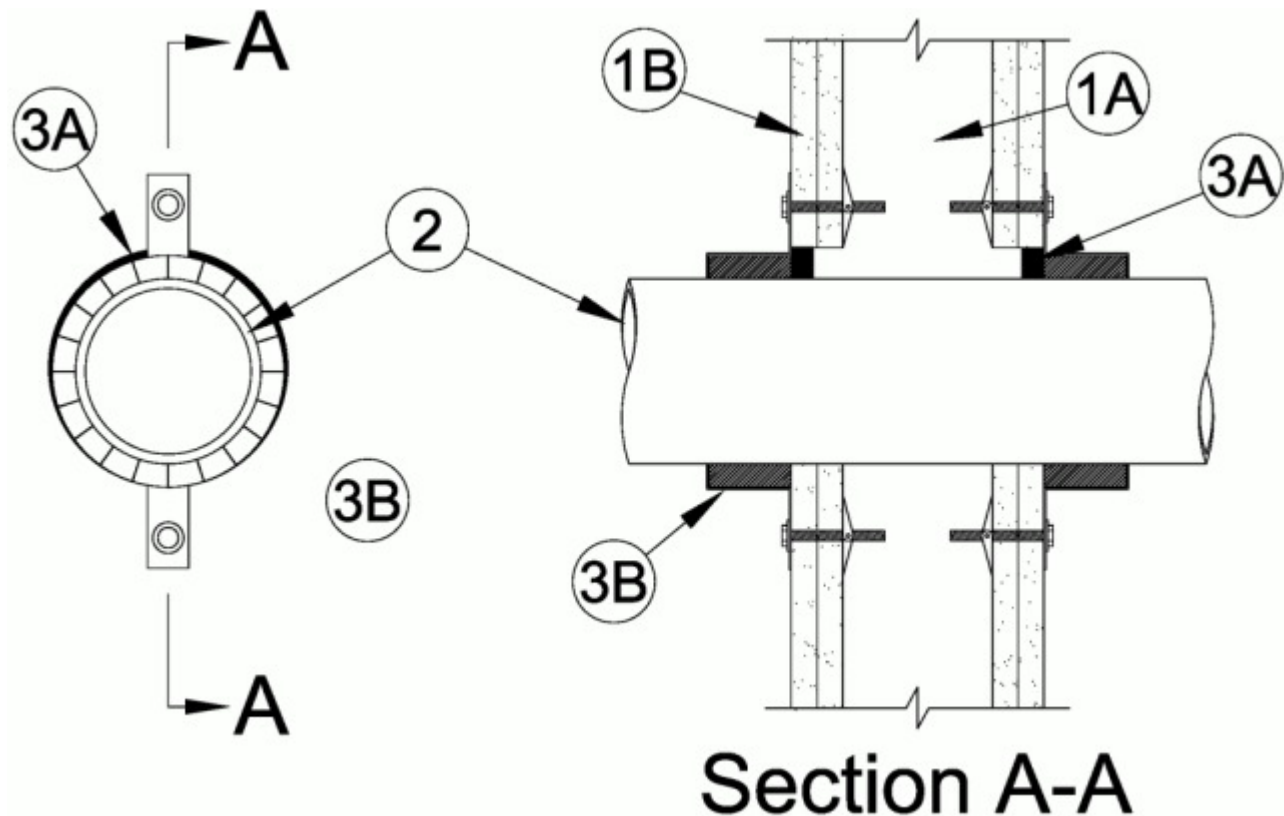
See General Information for Through-penetration Firestop Systems

See General Information for Through-penetration Firestop Systems Certified for Canada

System No. W-L-2706

January 10, 2019

| ANSI/UL1479 (ASTM E814) | CAN/ULC S115 | |
|--|--|--|
| F Ratings — 1 and 2 Hr (See Item 1) | F Ratings — 1 and 2 Hr (See Item 1) | |
| T Ratings — 0, 1/2 and 1 Hr (See Item 2) | FT Ratings — 0, 1/2 and 1 Hr (See Item 2) | |
| | FH Ratings — 1 and 2 Hr (See Item 1) | |
| | FTH Ratings — 0, 1/2 and 1 Hr (See Item 2) | |



System tested with a pressure differential of 2.5 Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed side.

1. Wall Assembly — The 1 or 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing shall consist of min 3-1/2 in. (89 mm) wide steel channel studs spaced max 24 in. (610 mm) OC.

B. Gypsum Board* — Thickness, type, number of layers and fasteners as required in the individual Wall and Partition Design. Wall opening to be max 5/8 in. (16 mm) larger than outside diam of nonmetallic pipe. Max diam of opening is 4 in. (102 mm).

The F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.

2. Nonmetallic Pipe — One nom 3 in. (76 mm) diam (or smaller) nonmetallic pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems. Pipe to be installed either concentrically or eccentrically within the firestop system. The annular space between the pipe and periphery of opening shall be min 0 in. (point contact) to max 1/2 in. (13 mm). Pipe to be rigidly supported on both sides of wall assembly. The following types and sizes of nonmetallic pipe may be used:

A. Polypropylene (PP) Pipe — Nom 2 in. (51 mm) diam (or smaller) Aquatherm Greenpipe SDR 7.4 with Faser PP pipe for use in closed (process or supply) or vented (drain, waste and vent) piping systems.

B. Polypropylene (PP) Pipe — Nom 3 in. (76 mm) diam (or smaller) Aquatherm Greenpipe SDR 11 PP pipe for use in closed (process or supply) or vented (drain, waste and vent) piping systems.

C. Polypropylene (PP) Pipe — Nom 3 in. (76 mm) diam (or smaller) Aquatherm Climatherm SDR 11 with Faser PP pipe for use in closed (process or supply) or vented (drain, waste and vent) piping systems.

D. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 3 in. (76 mm) diam (or smaller) ADR 13.5 CPVC pipe for use in closed (process or supply) piping systems.

When max 2 in. (51 mm) diam pipe is used, the T, FT and FTH Ratings of the firestop system are 1/2 Hr when installed in 1 Hr fire rated wall and 1 Hr when installed in 2 Hr fire rated wall. When max 3 in. (76 mm) diam pipe is used, the T, FT and FTH Ratings of the firestop system are 0 Hr when installed in 1 Hr fire rated wall and 1/2 Hr when installed in 2 Hr fire rated wall.

3. Firestop System — The firestop system shall consist of the following:

A. Fill, Void or Cavity Materials * - Caulk — Min 1/2 in. (13 mm) thickness of caulk applied within annulus, flush with both surfaces of wall assembly. When the annular space between the pipe and the edge of the wall opening is less than 1/4 in. (6 mm), use of the caulk in the annulus is optional.

**RELIANCE WORLDWIDE CORPORATION DBA HOLDRITE
HYDROFLAME** — HydroFlame 100, HydroFlame 200

B. Firestop Device* — Galv steel collar lined with an intumescent material sized to fit specific diam of the through penetrant. Devices to be installed around through penetrant on each side of the wall in accordance with accompanying installation instructions. Device incorporates anchor tabs for securement to the wall surface with 3/16 in. (5 mm) diam steel hollow wall anchors.

**RELIANCE WORLDWIDE CORPORATION DBA HOLDRITE
HYDROFLAME** — HydroFlame Pipe Collar

C. Fill, Void or Cavity Material* - Wrap Strip — (Not Shown) - As an alternate to Item 3B when max 2 in. (51 mm) diam pipe is used, single layer of nom 1/4 in. (6 mm) thick by 1 in. (25 mm) wide intumescent wrap strip wrapped around the outer circumference of the pipe on each side of the wall. Wrap strip installed with butted seam and such that edge of wrap strip is flush with the surface of wall. Wrap strip temporarily secured with tape or tie wire.

**RELIANCE WORLDWIDE CORPORATION DBA HOLDRITE
HYDROFLAME — HydroFlame Wrap Strip**

D. Steel Collar — (Not Shown) - When Item 3C is used, a collar fabricated from coils of precut min 0.016 in. thick (0.41 mm) galv steel available from fill material manufacturer shall be installed to restrain wrap strip. Collar shall be nom 1 in. (25 mm) deep with 1 in. (25 mm) wide by 1-1/2 in. (38 mm) long anchor tabs for attachment to wall. In addition, collar provided with 1/2 in. (13 mm) wide by 3/4 in. (19 mm) long retainer tabs opposite the anchor tabs. Collar shall be wrapped over the wrap strip, overlapping min 1 in. (25 mm). The retainer tabs are folded 90 deg towards the pipe to maintain the annular space around the pipe and to retain the wrap strip. Collars secured to wall at three anchor tabs with Type G laminating screws or 3/16 in. (5 mm) diam steel hollow wall anchors in conjunction with 1/4 by 5/8 in. (6 by 16 mm) diam steel washers.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2019-01-10

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online

Certifications Directory with permission from UL" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "© 2019 UL LLC".

UL and the UL logo are trademarks of UL LLC © 2019 All Rights Reserved.