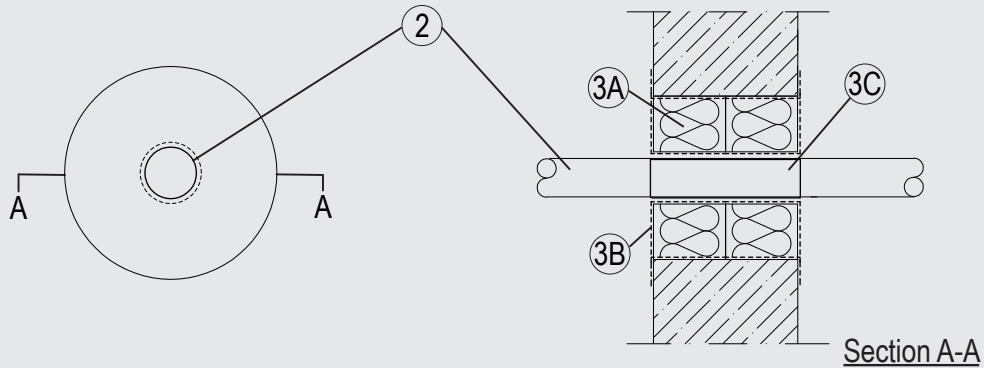


# Through-penetration Firestop Systems

## System No. W-J-2325

ANSI/UL1479 (ASTM E814)	CAN / ULC S115
F Rating — 2 Hr	F Rating – 2 Hr
T Rating — 0 Hr	FT Rating – 0 Hr
	FH Rating – 2 Hr
	FTH Rating – 0 Hr



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

Min 4-1/2 in. (115 mm) thick lightweight or normal weight (100-150 pcf or 1600-2400 kg/m<sup>3</sup>) concrete. Wall may also be constructed of any UL Classified Concrete Blocks\*. Opening shall be circular or rectangular with max dimensions of 5-1/4 in. (132 mm). See Concrete Blocks (CAZT) in the Fire Resistance Directory for names of manufacturers.

### 2. Pipes/ Tubes

Single to be installed within the opening. The annular space between the pipes and the periphery of the opening to be 2 in (50 mm). Pipes to be rigidly supported on both sides of the wall assembly. The following penetrants may be used:

- A. Nominal 1-1/4 in (32mm) diameter, 1/8 in. (3 mm) wall thickness PE/AL/PE composite plastic pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

### 3. Firestop System

The Firestop System shall consist of the following:

- A. Packing material — 2 layers of Nom. 2-3/8 in. (60 mm) thick mineral wool board min. 9.3 pcf (150 kg/m<sup>3</sup>) firmly packed into the opening of the wall as a permanent form.
- B. Fill, Void or Cavity Material\* — Min. 1/16 in. (2 mm) dry film thickness to be applied inside the aperture before installation and over the full surface of the mineral wool boards, and overlapping onto the wall by min. 3/4 in. (20 mm). Min. 1/32 in. (1mm) dry film thickness to be applied over the surface of the cables and tray to a minimum length of 10 in. (254 mm) from both faces of the board.  
SVT BRANDSCHUTZ VERTRIEBSGESELLSCHAFT MBH INTERNATIONAL — PYRO-SAFE FLAMMOTECT A
- C. Fill, Void or Cavity Material\* — 1 layer of 1/16 in (1.5 mm) by 5 in. (125 mm) wrap positioned centrally within the depth of the seal around pipe. SVT BRANDSCHUTZ VERTRIEBSGESELLSCHAFT MBH INTERNATIONAL — PYRO-SAFE DG-CR 1.5"

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

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