Reliance Worldwide Corporation Limited
Design No. RWC/PF 120-01
Penetration Firestopping
Holdrite Fixture Outlet Box
ASTM E814
CAN/ULCS S115

Table 1. Ratings

Water Line	ASTM E814 Ratings	CAN/ULC-S115 Ratings
PEX or CPVC	F-Rating: 120 Minutes T-Rating: 120 Minutes	F-Rating, FH-Rating: 120 Minutes FT-Rating, FTH Rating: 120 Minutes
Copper	F-Rating: 120 Minutes T-Rating: 102 Minutes	F-Rating, FH-Rating: 120 Minutes FT-Rating, FTH Rating: 102 Minutes

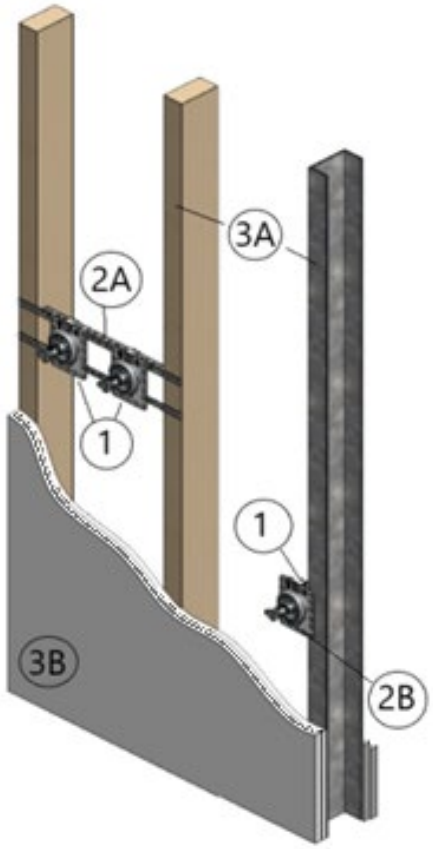


Figure 1. HR-FR Fixture Outlet Boxes in 2 Hour Fire Rated Walls

1. **COMPONENT NAME:** Fixture Outlet Box

   CERTIFIED PRODUCT: Reliance Worldwide Corporation Limited, Holdrite Fixture Outlet Box

   CERTIFIED SERIES: HR-FR Product Family

   Holdrite Fixture Outlet Boxes may be installed on each side of the supporting wall assembly (Item 3) when installed in separate wall cavities. The fixture outlet boxes shall not be installed in the same cavity back-to-back. A max. of one fixture outlet box may be installed on a single stud. A max. of two boxes may be installed in a single cavity on the support bracket or directly to the studs.

2. **INSTALLATION COMPONENTS:**
   A. BRACKETS – Fixture Outlet Boxes to be mounted using either HoldRite 170 brackets and/or Hyco bars.
   B. BRASS VALVES – Nominal 1/4 in. or 3/8 in. compression valve(s) with nominal 1/2 in. compression inlets.
   C. WATER LINE: Copper pipe, CPVC, or PEX tubing.

3. **WALL ASSEMBLY:** Use a 2 hour fire-rated wall assembly with the following min. construction requirements.
   A. FRAMING – Nominal 2 x 4 wood studs or min. 26 GA steel studs located at max. 24 in. on center (oc).
   B. GYPSUM SHEATHING – Install two layers of 5/8 in. thick, Type X gypsum, compliant with ASTM C1396, on each face.
   C. OTHER APPROVED 2HOUR FIRE RATED WALL ASSEMBLIES (Not Shown) – **Unless otherwise noted, combustible insulation options have not been evaluated or approved for use with the certified outlet box (Item 1); unless otherwise noted min. stud cavity of 3-1/2 in. required; unless otherwise noted gypsum wall membrane may not exceed 1-1/4 in. thick; unless otherwise noted, lead backed or lined gypsum membrane options are not approved.**
      i. UL Design Nos. U301, U351, U377, U378 (2 hour rated only), U395 (2 hour rated only), U430 (3 hour rated only).
      ii. UL Design Nos. U302, U372, U418, U443, U474, U475 (2 hour rated only). This listing only covers installation from interior gypsum board side of wall for the referenced non-symmetrical fire rated designs.
      iii. UL Design No. U411: Approved for use with the following conditions. Only approved with two layers of 5/8 in. gypsum board on each side of framing. Design No. U411 Items 8 to 8F Optional Furring Channels and Optional Framing Members shall be excluded. Not approved with lead backed gypsum. Foamed plastic insulation is not approved.
      iv. UL Design No. 419: Approved for use with the following conditions. Only approved with two layers of 5/8 in. gypsum board on each side of framing. Design No. U419 Items 7 to 7H Optional Furring Channels and Optional Framing Members and Item 3 Optional Wood Structural Panel Sheathing shall be excluded. Not approved with lead backed gypsum. Foamed plastic insulation is not approved.
      v. UL Design No. 423: Approved for use with the following conditions. Only approved with two layers of 5/8 in. gypsum board on each side of framing. Design No. U423 Items 4 Optional Wood Structural Panel Sheathing shall be excluded. Not approved with lead backed gypsum or Foamed plastic insulation.

Consult the listing report on the Directory of Building Products (https://bpdirectory.intertek.com) for the edition of the standard(s) evaluated.

Compliance of the assembly described in this Design Listing with the referenced standard relies on verification that the assembly constructed in the field is consistent with that described herein. Intertek certified products may be verified by the approved Intertek label; other products must be verified by the Authority Having Jurisdiction as meeting the specifications stated herein.