Reliance Worldwide Corporation Limited
Design No. RWC/PF 60-02
Penetration Firestopping
Holdrite Washing Machine Outlet Box
ASTM E814 and CAN/ULC-S115
Table 1. Ratings

Water Line	ASTM E814 Ratings	CAN/ULC-S115 Ratings
CPVC or PEX	F-Rating: 60 Minutes T-Rating: 60 Minutes	F-Rating, FH-Rating: 60 Minutes FT-Rating, FTH Rating: 60 Minutes
Copper	F-Rating: 60 Minutes T-Rating: 32 Minutes	F-Rating, FH-Rating: 60 Minutes FT-Rating, FTH Rating: 32 Minutes

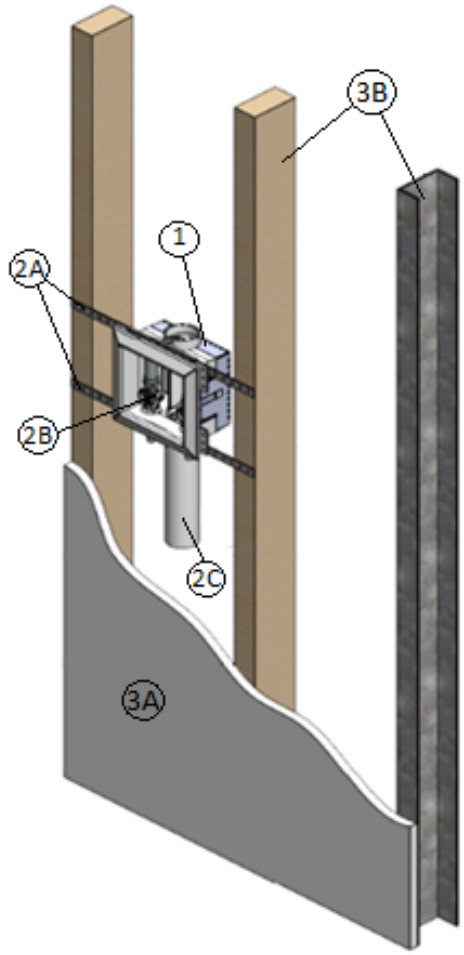


Figure 1. HR-WR Washing Machine Outlet Box in 1 Hour Fire Rated Walls

1. **COMPONENT NAME:** Washing Machine Outlet Box

   CERTIFIED PRODUCT: Reliance Worldwide Corporation Limited, Holdrite Washing Machine Outlet Box

   CERTIFIED SERIES: HR-WR Product Family

   Holdrite Washing Machine Outlet Boxes may be installed on each side of the supporting wall assembly (Item 3) when installed in separate wall cavities. The boxes shall not be installed in the same cavity back-to-back. A max. of one box may be installed in a single cavity on the support bracket. The outer edge of box must be min. 2-1/2 in. away from the nearest stud.

2. **INSTALLATION COMPONENTS:**

   A. BRACKETS – Box to be mounted using either HoldRite 170 brackets and/or HYCO bars. Refer to manufacturer's instructions for installation.
   B. BRASS VALVES – Brass valves with or without water hammer arrestor and nominal 1/2 in. PEX, CPVC, or copper inlets.
   C. DRAINPIPE – Nominal 2 in. DWV, PVC, or ABS drainage pipe. Use PVC solvent cement for PVC drainpipe, ABS solvent cement for ABS drainpipe, or solvent weld DWV pipe to drain opening.

3. **WALL ASSEMBLY:** Use a 1 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: - One layer of min. 5/8 in. thick, Type X gypsum, compliant with ASTM C1396, on each face.

      The perimeter of the box must have dry joint compound to fill any voids prior to face plate application of the box.
   C. OTHER APPROVED 1HOUR 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 5/8 in. thick; unless otherwise noted, lead backed or lined gypsum membrane options are not approved.**
      i. UL Design Nos. U305, U312, U321, U327, U333, U345, U359, U379, U383, U385, U386, U387, U390, U392, U394, U405, U406, U407 (1-Hr rated only), U430, U432, U485
      ii. UL Design Nos. U303, U329, U354, U358, U364, U397, U442, U460. This listing only covers installation from interior gypsum board side of wall for the referenced non-symmetrical fire rated designs.
      iii. UL Design No. U309: Approved for use with the following conditions. Design No. U309 Item 9F Optional Mineral and Fiber Board Layer and Item 10 Optional Wall and Partition Facings and Accessories shall be excluded.
      iv. UL Design No. U311: Approved for use with the following conditions. Design No. U311 Item 6 Optional Wall and Partition Facings and Accessories and Item 7 Optional Mineral and Fiber Board shall be excluded.
      v. UL Design No. U341: Approved for use with the following conditions. Design No. U341 Items 8 and 10 Mineral and Fiber Board shall be excluded.

vi. UL Design No. U344: Approved for use with the following conditions. Design No. U344 Items 6-6G Optional Framing Members and Item 8 Optional Building Units shall be excluded.

vii. UL Design No. 419: Approved for use with the following conditions. Only approved with single layer 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.

viii. UL Design No. 423: Approved for use with the following conditions. Only approved with single layer 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.