

Product Submittal	
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Architect/Owner	
Contractor	
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Notes	

HoldRite™ HR-FR Series Fixture Outlet Box

Product Specification

HoldRite™ Fire-Rated Fixture Outlet Boxes are designed for use in commercial and residential applications and allow for installation of water supply valves during the rough-in phase. Can be installed directly to a stud via flange holes or between studs using a HYCO bar, HoldRite™ 170, or other HoldRite™ galvanized bracketing. Outlet Box Assemblies include a chrome-plated quarter-turn full port brass ball valve Angle Stop with 1/4" or 3/8" compression connection. Can be used with Copper, PEX, or CPVC. Protective debris cover included. Escutcheons, Valve Extension, and other accessories sold separately.

Materials

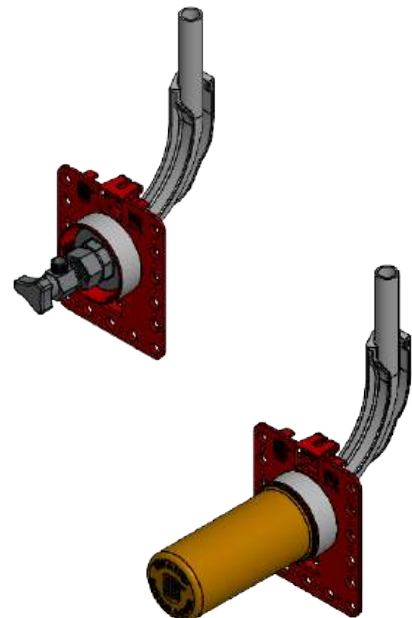
Stop Valve:

Body: Chrome-plated corrosion resistant DZR LF Brass
 Stem: Corrosion resistant DZR LF Brass
 Ball: Chrome-plated corrosion resistant DZR LF Brass
 Seat: PTFE
 O-rings: EPDM Rubber
 Handle: Chrome-plated corrosion resistant Zinc Alloy
 Screw: Steel
 Compression Nut: Chrome-plated Brass
 Ferrule: Brass

Box: ABS

Escutcheon: ABS, White (paintable) or Chrome-plated

Debris Cover: Polypropylene



Valve Performance

Maximum working temperature: 160 °F

Maximum working pressure: 125 PSI

Codes and Listings

Box: IAPMO PS54

Valves: ASME A112.18.1/CSA125.1, NSF/ANSI 14, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372

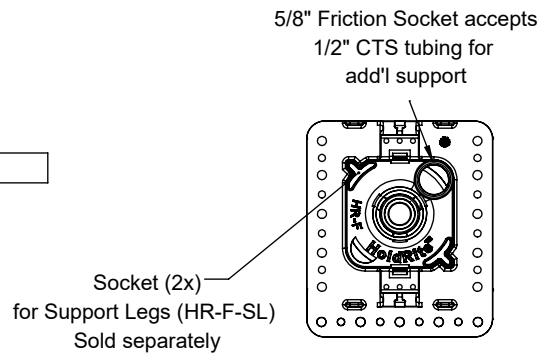
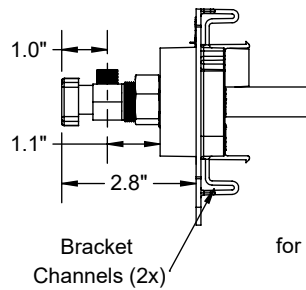
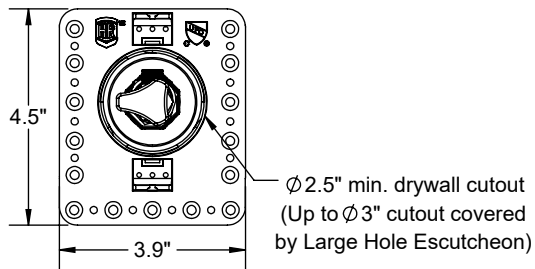
[Q] This product meets the reduced Q test statistic criteria of 0.5 µg for lead per Section 9.5.1.1 of NSF/ANSI/CAN 61.

PEX-A Tubing: ASTM F876, ASTM F877, CSA B137.5 and listed for approval with the following connection methods: ASTM F1807/F2098/F1960/F2159/F3347/F3348 and ASSE 1061.

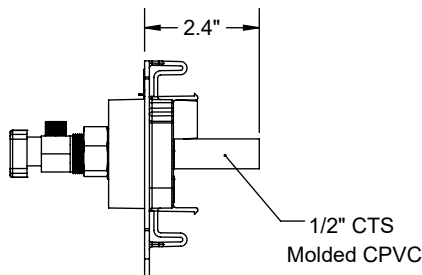
Copper Type L Tubing: ASTM B88

CPVC Tubing: ASTM D2486

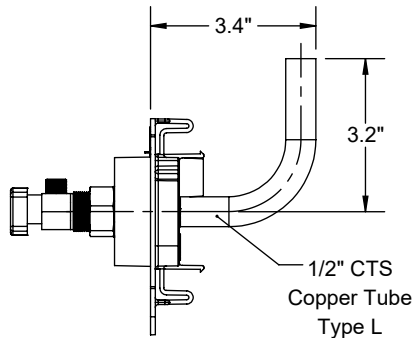
Dimensions



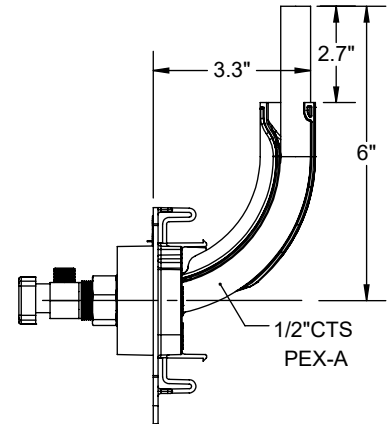
Tubing Connection Types



- ☐ HR-FR-C-0 (1/4" Outlet)
- ☐ HR-FR-C-1 (3/8" Outlet)



- ☐ HR-FR-M-0 (1/4" Outlet)
- ☐ HR-FR-M-1 (3/8" Outlet)

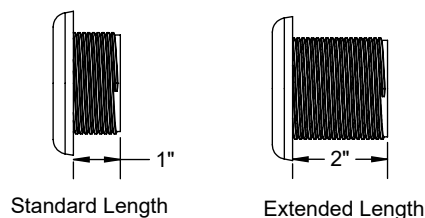
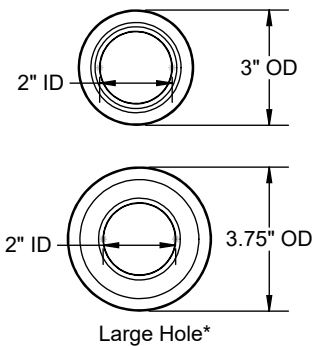


- ☐ HR-FR-P-0 (1/4" Outlet)
- ☐ HR-FR-P-1 (3/8" Outlet)

Accessories (Sold Separately).

Escutcheons

- ☐ HR-F-CH (Chrome)
- ☐ HR-F-WH (White)
- ☐ HR-F-CHE (Chrome, Extended)
- ☐ HR-F-WHE (White, Extended)
- ☐ HR-F-CHL (Chrome, Large Hole)
- ☐ HR-F-wHL (White, Large Hole)

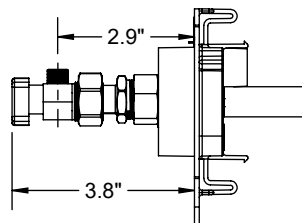
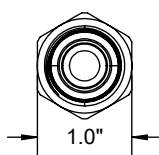
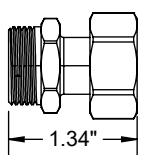


*Large Hole Escutcheon available only in Standard Length

Drywall Config.	Standard Length	Extended Length
1/2"	✓	-
5/8"	✓	-
1/2" & 5/8"	✓	-
2x 1/2"	✓	-
2x 5/8"	✓	-
Cabinet Walls	-	✓

Valve Extension

- ☐ HR-F-VE



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HoldRite™ HR-FR Series Fixture Outlet Box

Design Listing Information

HoldRite™ Fire-Rated Fixture Outlet Boxes may be installed on each side of the supporting wall assembly when installed in separate wall cavities. The fixture outlet boxes shall not be installed in the same cavity back-to-back. A maximum of one fixture outlet box may be installed on a single stud. A maximum of two boxes may be installed in a single cavity on a support bracket or directly to the studs.

1) Installation Components

A. HoldRite™ Fire-Rated Fixture Outlet Boxes

B. Brackets: Fixture Outlet Boxes to be mounted using either HoldRite™ 170 brackets and/or HYCO bar.

C. Brass valves: Nominal 1/4" or 3/8" compression valve(s) with nominal 1/2" compression inlets.

D. Water line: Copper pipe, CPVC, or PEX tubing

2) Wall Assembly

A. Framing: Nominal 2" x 4" wood studs or minimum 26 GA steel studs located at maximum 24" on center (oc).

B. Gypsum Sheathing (1hr Fire-Rated wall): One layer of minimum 5/8" thick, Type X gypsum, compliant with ASTM C1396, on each face.

C. Gypsum Sheathing (2hr Fire-Rated wall): Two layers of 5/8" thick, Type X gypsum, compliant with ASTM C1396, on each face.

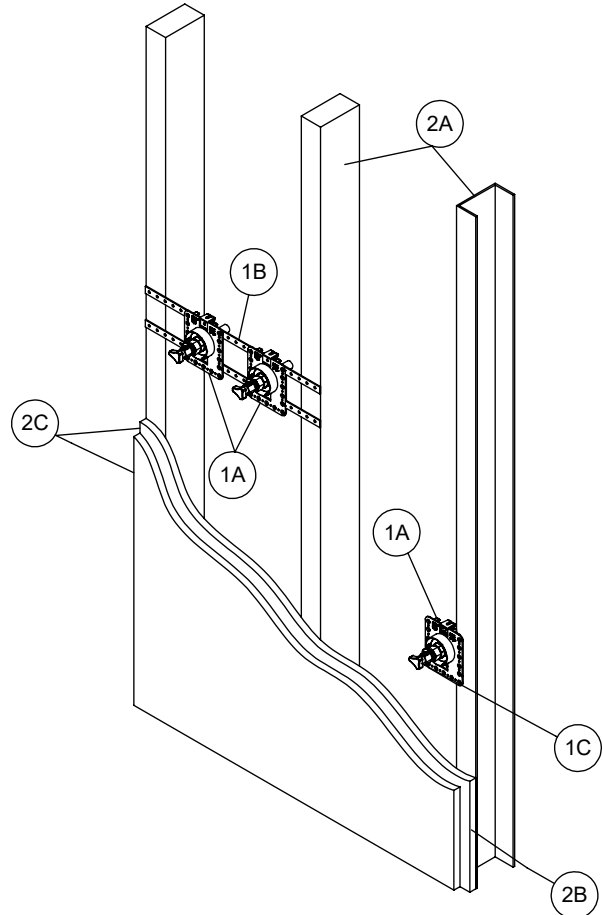


Figure 1. Fire Rated Wall

3) Ratings

Inlet Fitting	ASTM E814 Ratings		CAN/ULC-S115 Ratings	
	RWC/PF 60-01	RWC/PF 120-01	RWC/PF 60-01	RWC/PF 120-01
PEX or CPVC	F-Rating: 60 Min.	F-Rating: 120 Min.	F/FH-Rating: 60 Min.	F/FH-Rating: 120 Min.
	T-Rating: 60 Min.	T-Rating: 120 Min.	FT/FTH-Rating: 60 Min.	FT/FTH-Rating: 120 Min.
Copper	F-Rating: 60 Min.	F-Rating: 120 Min.	F/FH-Rating: 60 Min.	F/FH-Rating: 120 Min.
	T-Rating: 51 Min.	T-Rating: 102 Min.	FT/FTH-Rating: 51 Min.	FT/FTH-Rating: 102 Min.

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