Product Submittal	
Name	
Date	
Architect/Owner	
Contractor	
Tag	
Notes	

HoldRite™ HR-IMR Ice Maker and HR-AFR Appliance/Fixture Fire-Rated Outlet Boxes

Product Specification

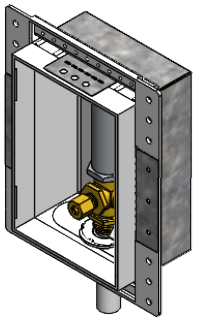
HoldRite™ Ice Maker and Appliance/Fixture Fire-Rated Outlet Boxes are designed for use in commercial and residential applications and allow for installation of water supply valves during the rough-in phase. Valves come in locked position and can be installed upright or inverted for top or bottom supplied water lines. Can be installed directly to a stud via flange holes or between studs using a HYCO bar or HoldRite™ 170. Outlet Box Assemblies include a lead-free brass shut-off valve with quarter-turn handle and 1/4" (Ice Maker) or 3/8" (Appliance/Fixture) threaded compression connection. Can be used with Copper, PEX, or CPVC. Face plate included. Optional integral water hammer arrestors for water shock wave prevention available.

Materials

Shut-off Valve:

- Body: Corrosion resistant DZR LF Brass (Appliance/Fixture chrome-plated)
- Stem: Corrosion resistant DZR LF Brass
- Ball: Chrome-plated DZR LF Brass
- Seat: PTFE
- O-rings: EPDM Rubber
- Handle: Corrosion resistant AL Alloy
- Screw: Stainless Steel
- Nut: Brass (Appliance/Fixture chrome-plated)
- Ferrule: Brass

Arrestor: Stainless Steel, DZR LF Brass
Box: Fire-rated ABS
Face Plate: Fire-rated ABS (paintable)
Drain Funnel: ABS





Valve Performance

Maximum working temperature: 160 ˚F
Maximum working pressure: 125 PSI

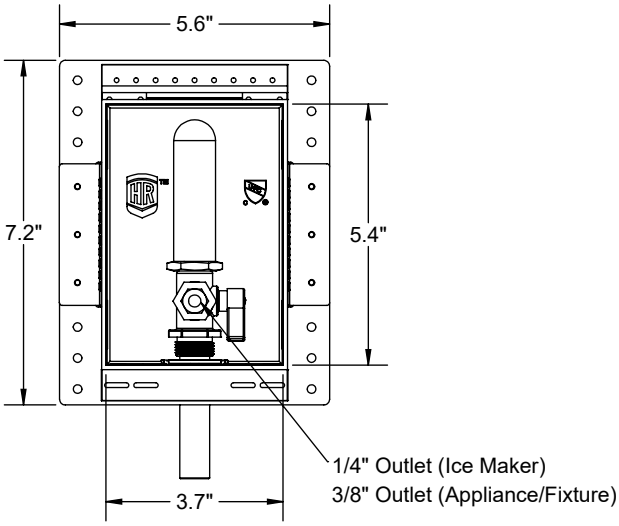
Codes and Listings

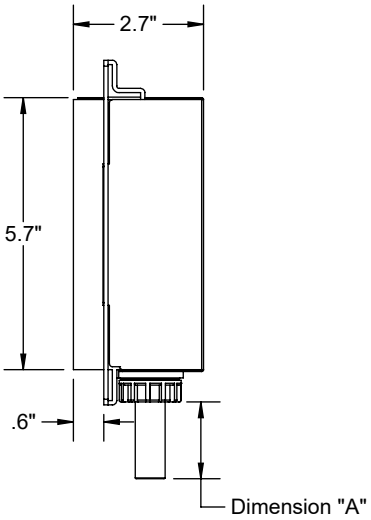
Box: IAPMO PS54
Valves: ASME A112.18.1/CSA125.1, NSF/ANSI 14, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372

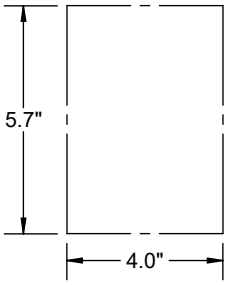
- [Q] This product meets the reduced Q test statistic criteria of 0.5 µg for lead per Section 9.5.1.1 of NSF/ANSI/CAN 61.

Arrestors: ASSE1010
PEX-A Tubing: ASTM F876, ASTM F877, CSA B137.5 and listed for approval with the following connection methods: ASTM F1807/F2098/F1960/F2159/F3447/F3448
Copper Type L Tubing: ASTM B88
CPVC Tubing: ASTM D2486

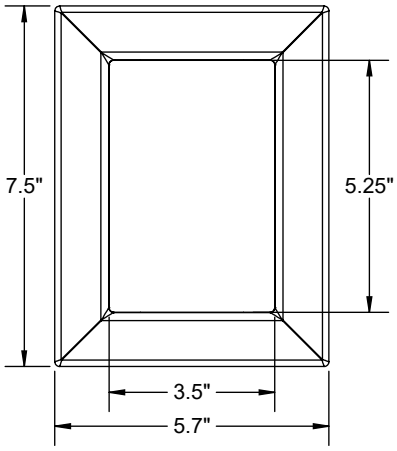
Dimensions

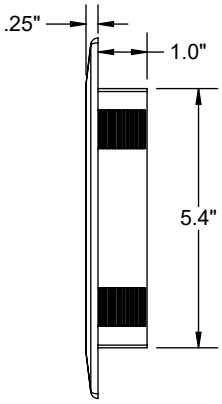


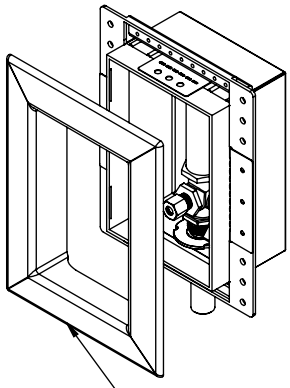




Minimum drywall cutout







Face Plate adjustable between 1/2" and 1-1/4" drywall thickness

Part Number	Outlet Size	Water Hammer Arrestor	Tube Type	Dimension "A"
☐HR-IMR-P-0	1/4"	-	1/2" CTS PEX-A	1.60" Min.
☐HR-IMRA-P-0		✓		
☐HR-AFR-P-1	3/8"	-		
☐HR-AFRA-P-1		✓		
☐HR-IMR-M-0	1/4"	-	1/2" CTS Copper Type L	2.50" Min.
☐HR-IMRA-M-0		✓		
☐HR-AFR-M-1	3/8"	-		
☐HR-AFRA-M-1		✓		
☐HR-IMR-C-0	1/4"	-	1/2" CTS CPVC	1.60" Min.
☐HR-IMRA-C-0		✓		
☐HR-AFR-C-1	3/8"	-		
☐HR-AFRA-C-1		✓		

HoldRite™ HR-IMR Ice Maker and HR-AFR Appliance/Fixture Fire-Rated Outlet Boxes

Design Listing Information

HoldRite™ Ice Maker and Appliance/Fixture Fire-Rated Outlet Boxes may be installed on each side of the supporting wall assembly when installed in separate wall cavities. The boxes shall not be installed in the same cavity back-to-back. A maximum of one box may be installed in a single cavity on the support bracket. When using wood framing, outer edge of box must be min. 2-1/2" away from the nearest stud.

1) Installation Components

A. HoldRite™ Fire-Rated Ice Maker or Appliance/Fixture Outlet Box

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

C. Brass valve: With or without water hammer arrestor and nominal 1/2" PEX, CPVC, or copper inlets.

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 Sheating (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 min. 5/8" thick, Type X gypsum, compliant with ASTM C1396, on each face.

Note: Secure with min. 1-1/4" drywall screws spaced 12" oc around perimeter and across field. Cover exposed screw heads and gypsum joints with two coats of vinyl or casein, dry or premixed joint compound. Embed min. 2" wide paper, plastic, or fiberglass tape in compound mix over exposed gypsum joints.The perimeter of the box must have dry joint compound to fill any voids prior to face plate application.

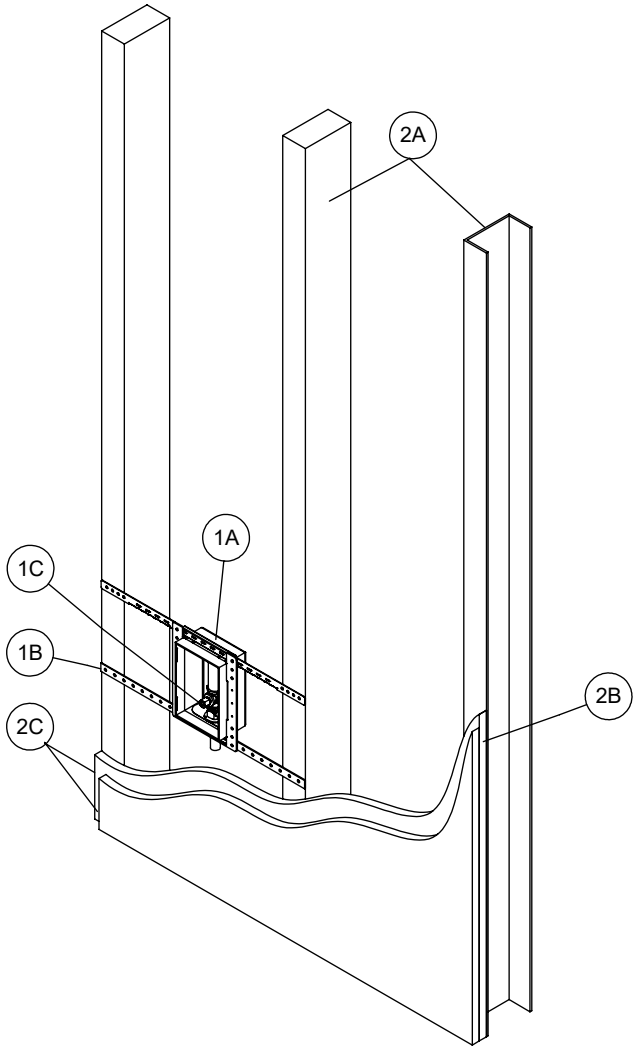


Figure 1. Fire Rated Wall

3) Ratings

Inlet Fitting	ASTM E814 Ratings		CAN/ULC-S115 Ratings	
	RWC/PF 60-03	RWC/PF 120-03	RWC/PF 60-03	RWC/PF 120-03
PEX, Copper, or CPVC	F-Rating: 60 Min.	F-Rating: 120 Min.	F/FH-Rating: 60 Min.	F/FH-Rating: 120 Min.
	T-Rating: 40 Min.	T-Rating: 84 Min.	FT/FTH-Rating: 40 Min.	FT/FTH-Rating: 84 Min.

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