



# FIRE-RATED LAV/SINK OUTLET BOX

» 696R SERIES

OxBox™

## SPECIFICATION

Sioux Chief 696 series OxBox™ fire-rated outlet box shall be used where necessary in plumbing systems. Unit shall allow for mounting with supply lines from top or bottom, on-stud or between-studs. Unit shall include plated, 1/4-turn valves with 3/8" compression outlet. Valve outlets shall be provided with tamper-resistant test caps. Metal support bracket can be installed into tracks of box. Designed in accordance with IAPMO PS 54-2021a.

## MATERIALS

**Valve body:** Forged brass<sup>1</sup>

**Valve shank:** Brass<sup>1</sup> or CPVC with 304SS grip ring, brass nut, silicone seal

**Outlet box:** ABS

**Box frame:** Fire-rated ABS

**Frame extension:** Fire-rated ABS<sup>2</sup>

**Arrester body:** 304SS barrel with brass<sup>1</sup> body

**Arrester piston:** Polypropylene with EPDM o-rings

**Fire guard:** intumescent material

## CERTIFICATIONS/APPROVALS

NSF-372 compliant<sup>1</sup>, IAPMO listed box and valves,  
Arresters meet ASSE 1010, Valves meet ASME A112.18.1  
Listed by Warnock Hersey (see back side)  
System design number: SC/WA120, W/N 14409

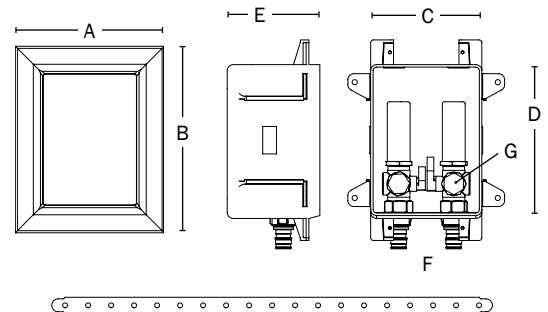
## VALVE/ARRESTER WORKING LIMITS

**Max Working Temperature:** 200° F

**Max Testing/Working Pressure:** 150 PSIG

## DIMENSIONS

|                         |                    |
|-------------------------|--------------------|
| <b>A:</b> Frame width   | 5-7/8"             |
| <b>B:</b> Frame height  | 7-1/4"             |
| <b>C:</b> Box width     | 4"                 |
| <b>D:</b> Box height    | 5-1/2"             |
| <b>E:</b> Box depth     | 3-1/2"             |
| <b>F:</b> Supply inlet  | 1/2" Nom., 2" O.C. |
| <b>G:</b> Supply outlet | 3/8" Compression   |
| Bracket length          | 17"                |



Create Item Number

**696AB**

e.g. **696RG2011XF:** Lavatory outlet box with frame, valve with arrester, F1807 connection

### ARRESTERS A

**RG2001** = No arresters

**RG2011** = With arresters

### SUPPLY CONNECTION B

**CF** = CPVC (male)

**MF** = MIP/FSWT

**VF** = F3347 PEX

**WF** = F1960 PEX

**XF** = F1807 PEX

Accessories - Available Separately:

696-EX: Frame extension<sup>2</sup>

<sup>1</sup> C69300 material is DZR and SCC resistant, compliant with NSF-61 & 372, and compliant with California No Lead Plumbing Law  
<sup>2</sup> 696-EX frame extension available separately. Use with 2 layers of drywall for 2-hour specifications

# FIRE-RATED OXBOX

## DESIGN SPECIFICATION

### 1. WALL CONSTRUCTION

- a. Wood or metal stud construction, max 100 in.<sup>2</sup> of penetrations per 100 ft<sup>2</sup> of wall.
- b. 16" or 24" on-center stud construction.
- c. Can be installed with a gap between front and back wall assemblies (UL Design # U341) (Figure 2).
- d. Single-layer 5/8" gypsum construction with 1-hour fire rating.
- e. Double-layer 5/8" gypsum construction with 2-hour fire rating.
- Frame extensions can be used.
- f. Boxes cannot be installed back-to-back.

### 2. PIPE/BOX SUPPORT

- a. Each outlet box shall be installed in a separate stud bay and attached to the stud (Figure 3 & 4). Fire rating does not apply to installations of two or more boxes in the same stud bay.
- b. Supplied support bar.
- c. Supply lines to be installed using ordinary methods.
- d. Drain line to be supported using ordinary methods.

### 3. PIPE MATERIAL

- a. 2" or larger metallic, PVC, or ABS DWV pipe.
- b. Metallic or plastic water supply pipe.

### 4. FIRESTOP DEVICE

Sioux Chief fire-rated OxBox uses fire-rated resin. Boxes have 4" x 4" intumescent adhesive pads factory installed on the back of boxes.

NOTE: Gaps up to 1/2" around box can be sealed with drywall plaster. Larger gaps require firestop sealant applied to opening spanning entire drywall depth

FIGURE 1

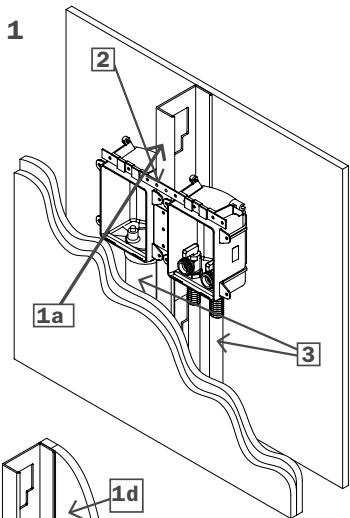
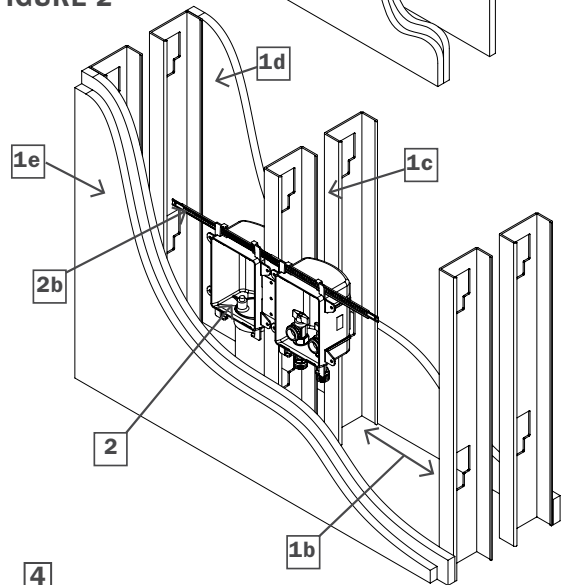


FIGURE 2



UL D.#U341

"over stud" installation

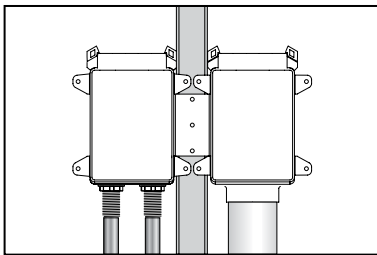


FIGURE 3

"separate stud bay" installation

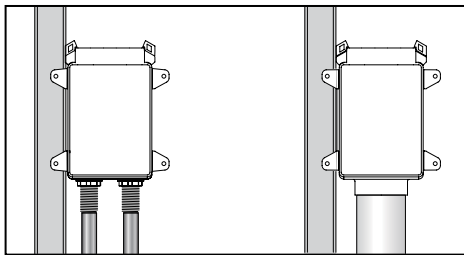
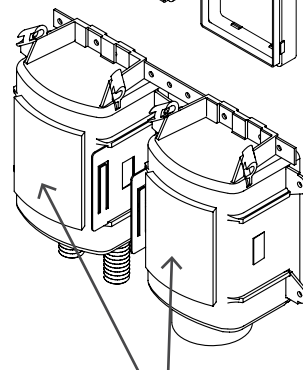
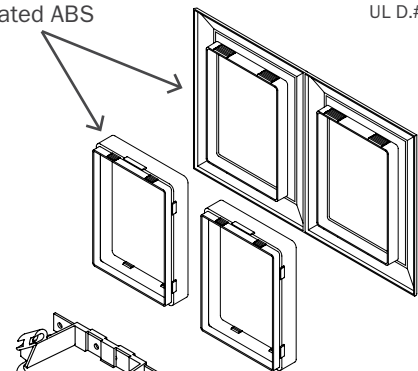


FIGURE 4

4

Fire-rated ABS



Intumescent pads

**THE FIRE-RATED OXBOX IS CERTIFIED BY INTERTEK/WARNOCK HERSEY TO THE FOLLOWING FIRE RATING STANDARDS:**

#### ASTM E-814

2 hours (F), 90 mins (T)  
for 2-hour design  
1 hour (F), 31 mins (T)  
for 1-hour design

#### ASTM E119

#### CAN/ULC S115

2 hours (F), 90 mins (T)  
for 2-hour design  
1 hour (F), 31 mins (T)  
for 1-hour design

#### UL 1479



SCM SPEC ID  
23320