

FIRE-RATED DOUBLE 3/8" COMPRESSION OUTLET CONNECTION OUTLET BOX

696 series

Ox Box™

Item # Submitted	_____
Job Name	_____
Location	_____
Engineer	_____
Contractor	_____
PO#	_____ TAG _____

SPECIFICATION

Sioux Chief 696R series Ox Box fire-rated lavatory outlet box shall be used where necessary in plumbing supply systems. Box shall allow for mounting with supply lines from top or bottom, mounted on-stud. Unit shall be available with plain valves or valves with water hammer arresters. Arrester shall be certified to ASSE 1010 and shall be UPC listed. Metal support bracket shall install into top track of box for additional support. Outlet connection shall be generally 3/8".

MATERIALS

- outlet box: ABS
- frame: fire-rated ABS
- frame extension*: fire-rated ABS
- arrester clip/valve platform: ABS
- bracket: galvanized steel
- arrester body: Type L copper tube
- piston: polypropylene with two EPDM o-rings
- piston lubrications: Dow-Corning, 111 FDA approved silicone compound
- valve body: chrome-plated forged brass
- fire-guard: intumescent material

* 696-EX available separately. Used with two layers of drywall for 2-hour specifications.

INSTALLATION

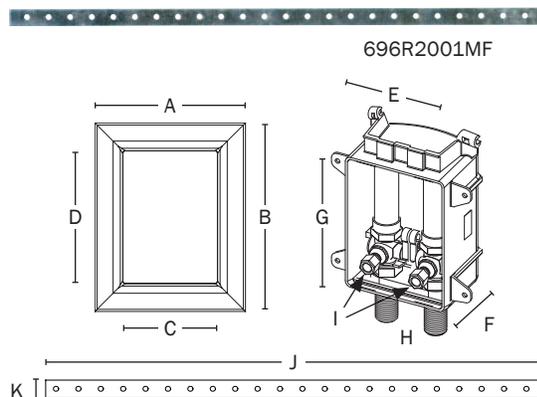
Stud construction can be non-load bearing or load bearing. Wood or metal stud construction, max 100 in² of penetrations per 100 ft² of wall.

VALVE/ARRESTER WORKING LIMITS

- working temp: 250°F
- testing air pressure: 100 PSIG
- working/testing water pressure: 250 PSIG

DIMENSIONS

- | | |
|-------------------------------|------------------------------|
| A: frame width | 5 3/4" |
| B: frame height | 7 1/4" |
| C: frame opening width | 3 5/8" |
| D: frame opening height | 5 1/8" |
| E: rough-in box inner width | 4" |
| F: rough-in box overall depth | 3 1/2" |
| G: rough-in box inner height | 5 1/2" |
| H: supply connections | 1/2" nominal (see 'C' below) |
| I: outlet connections | 3/8" compression |
| J: bracket length | 18" |
| K: bracket width | 5/8" |
| bracket thickness | 16 gauge |



696R2001MF

CERTIFICATIONS/APPROVALS

- Listed by UPC/IAPMO to meet UPC
- Conforms to IPC
- Valves meet ASME A112.18.1
- Listed by Warnock Hersey to meet:
 - ASTM E-814, CAN/ULC S115
 - 2 hours (F), 1 1/2 hours (T) for 2-hour design
 - 1 hour (F), 31 minutes (T) for 1-hour design
 - ASTM E-119, UL 1479
- System design number:
 - SC/WA120, W/N 14409
- SCM items available with no-lead valves are compliant with NSF-61 Annex G and California No Lead Plumbing Law



Create Item Number

696 A 20 B 1 C F

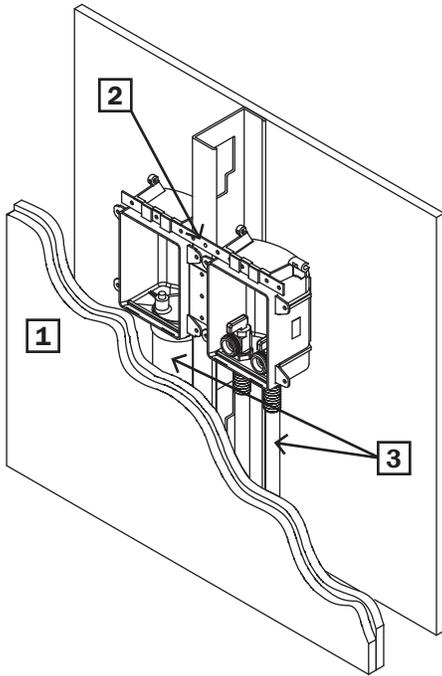
e.g. 696R2011MF = fire-rated lavatory box, female sweat valves with arresters, packaged with frame

- | | | |
|---|---|---|
| <p>A VALVES</p> <ul style="list-style-type: none"> <input type="checkbox"/> R Plain valve <input type="checkbox"/> RG No-lead valves¹ <p>B ARRESTER</p> <ul style="list-style-type: none"> <input type="checkbox"/> 0 No arrester <input type="checkbox"/> 1 With arrester | <p>C SUPPLY CONNECTION</p> <ul style="list-style-type: none"> <input type="checkbox"/> M 1/2" female sweat <input type="checkbox"/> C 1/2" male CPVC <input type="checkbox"/> X 1/2" PEX crimp F1807 <input type="checkbox"/> W 1/2" PEX cold expansion F1960 <input type="checkbox"/> V 1/2" Viega PureFlow® PEX <input type="checkbox"/> A 1/2" PEX cold expansion F2080 | <p>ACCESSORIES</p> <ul style="list-style-type: none"> <input type="checkbox"/> 696-EX frame extension ¹ Compliant with NSF-61 Annex G and California No Lead Plumbing Law |
|---|---|---|

Fire-Rated Ox Box™

Outlet Box

Design Specification



1 Wall Construction

- a Wood or metal stud construction, max 100 in.² of penetrations per 100 ft² of wall
- b Single-layer 5/8" gypsum construction with 1-hour fire rating
- c Double-layer 5/8" gypsum construction with 2-hour fire rating
- d Boxes cannot be installed back to back

2 Pipe/Box Support

- a Each outlet box must be installed in a separate stud bay and attached to the stud, as shown below in "over-stud" or "separate stud bay" installation examples. Fire rating does not apply to installations of two or more boxes in the same stud bay.
- b Supplied support bar to be installed through at least one box's slotted opening
- c Supply lines to be installed using ordinary methods
- d Drain line to be supported using ordinary methods

3 Pipe Material

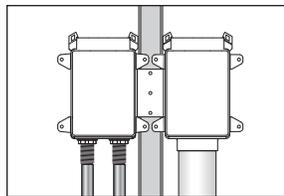
- a 2" or larger metallic, PVC, or ABS DWV pipe
- b Metallic or plastic water supply pipe

4 Firestop Device

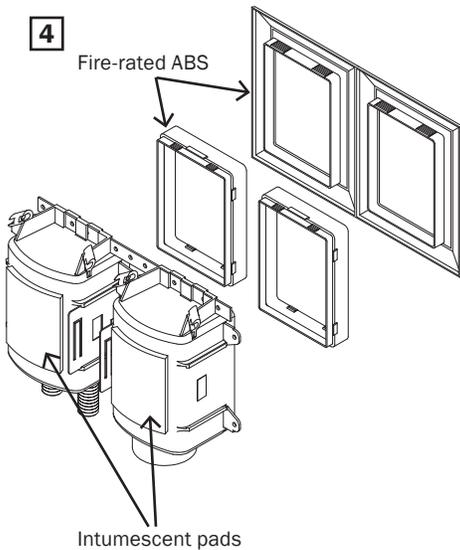
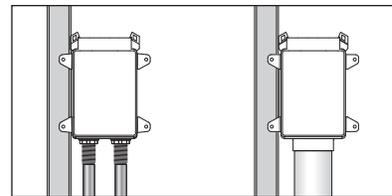
- a Sioux Chief fire-rated Ox Box frame and frame extension are constructed using fire-rated resin. Boxes have 4" x 4" intumescent adhesive pads factory installed on the back of boxes.

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.

"over stud" installation



"separate stud bay" installation



The Fire-Rated Ox Box is certified by Intertek/Warnock Hersey to the following Fire Rating Standards:

ASTM E-814

2 hours (F), 1½ hours (T)
for 2-hour design
1 hour (F), 31 mins (T)
for 1-hour design

ASTM E119

CAN/ULC S115

2 hours (F), 1½ hours (T)
for 2-hour design
1 hour (F), 31 mins (T)
for 1-hour design

UL 1479



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