

# FIRE-RATED GAS OUTLET BOX

696R series

Ox Box™

## SPECIFICATION

Sioux Chief 696R-series Ox Box Fire-rated gas outlet box shall be used where necessary in plumbing and gas supply systems for residential or commercial units. Box shall allow for mounting with supply line from top or bottom, on-stud or between studs. Unit shall be available with yellow handle. Valve shall be available with or without brass shank. Metal support bracket shall install into top track of box for between stud configuration. Outlet shall be ½" or ¾". Valve shall be ¼-turn operation.

## MATERIALS

outlet box: ABS  
frame: Fire-rated ABS  
frame extensions: \*\*Fire-rated ABS  
bracket: galvanized steel  
valve body: cast brass  
valve handle: powder-coated yellow zinc  
screw: chrome steel  
shank: zinc  
adapter\*: brass  
plug: steel  
components: PTFE seats and chrome plated brass ball

\* Available in ½" and ¾".

\*\* 696 Ex available separately. Used with two layers of drywall for 2-Hour specifications.

## VALVE RATING

max working pressure: ½ PSIG

max testing pressure: 10 PSI

## GAS/GAS MIXES

natural gas  
propane

## 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.

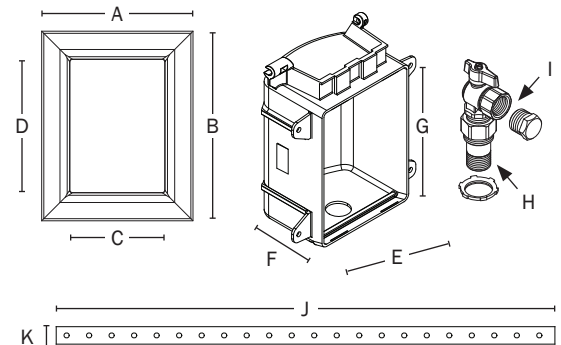
## DIMENSIONS

A: frame width	5¾"
B: frame height	7¼"
C: frame opening width	3⅝"
D: frame opening height	5⅛"
E: rough-in box inner width	4"
F: rough-in box overall depth	3½"
G: rough-in box inner height	5½"
H: supply connection	(see 'A' and 'B' below)
I: outlet connection	(see 'A' below)
J: bracket length	18"
K: bracket width	5⅝"
bracket thickness	18 gauge

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



696-1020GF



## CERTIFICATIONS/APPROVALS

Listed by UPC/IAPMO to meet UPC

Conforms to IPC

Listed by Warnock Hersey to meet:

ASTM E-814, CAN/ULC S115

2 hours (F), 1½ 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

Valves meet ANSI Z21.15-1997 / CGA 9.1-M97



Create Item Number

**696R10AB GF**

e.g. 696R1020GF = Fire-Rated Gas Ox Box with ½" inlet and outlet

### A VALVE CONNECTION

- ☐ 2 ½" outlet × ½" inlet  
☐ 3 ¾" outlet × ¾" inlet

### B ADAPTER

- ☐ 0 none  
☐ 1 female × male NPT adapter

**Sioux Chief**

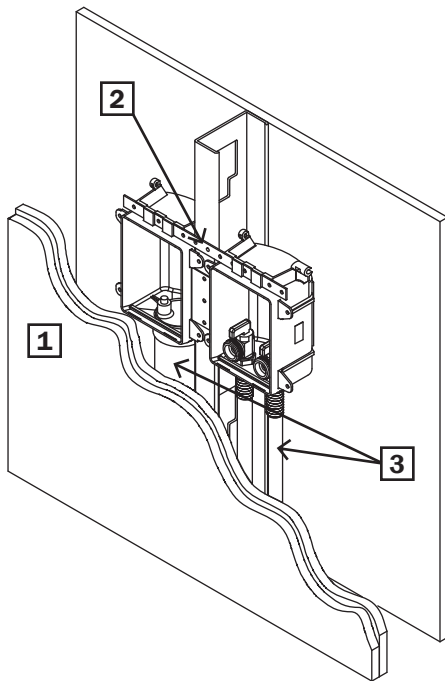
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# Fire-Rated Ox Box™

## Outlet Box

### 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 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

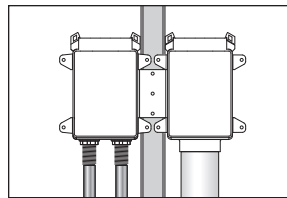
- a 2" or larger metallic, PVC, or ABS DWV pipe
- b Metallic or plastic water supply pipe

#### 4 Firestop Device

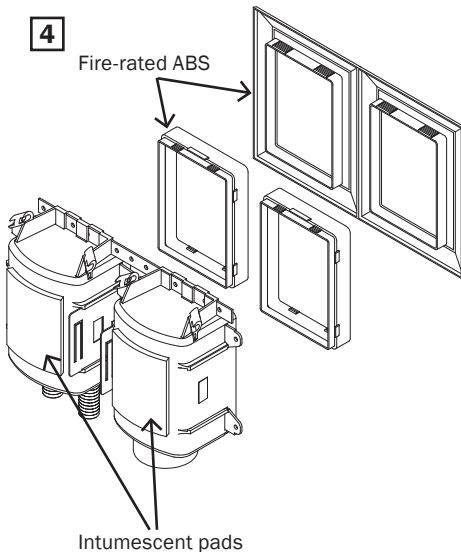
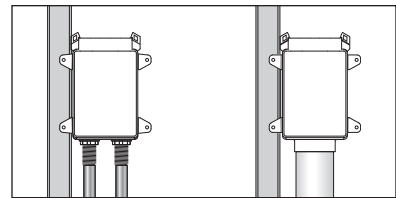
- a Sioux Chief fire-rated Ox Box frame and frame extension are constructed using fire-rated resin. Boxes have 4" x 4" intumescent adhesive pads factory installed on the back of boxes.

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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