FIRE-RATED GAS OUTLET BOX

696R SERIES

OxBox™

ITEM # SUBMITTED_____

JOB NAME_____

LOCATION _____

ENGINEER_____

CONTRACTOR_____

PO#_____ TAG _____

SPECIFICATION

Sioux Chief 696 series OxBox fire-rated gas outlet box shall be used where necessary in residential or commercial plumbing and gas supply systems. Box shall allow for mounting with supply line from top or bottom, on-stud or between studs. Valve shall be ¼-turn operation with yellow handle. Metal support bracket shall install into top track of box for between-stud configuration. Designed in accordance with IAPMO PS 54-2021a.

MATERIALS

Valve: Nickel-plated brass with powder-coated yellow aluminum handle
Internal components: PTFE seats, chrome-plated brass ball
Valve Adapter: Brass[1]
Adapter Locknut: Zinc
Valve plug: Zinc-plated steel
Outlet box: ABS
Box frame: Fire-rated ABS
Frame extension: Fire-rated ABS[3]
Fire guard: intumescent material

VALVE RATING

Max Working Pressure: 1/2 PSIG
Max Testing Pressure: 10 PSI

APPROVED GASES

Natural gas, propane

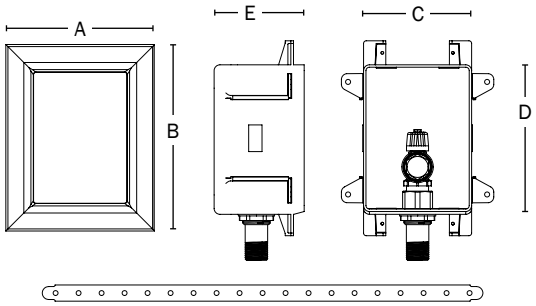
CERTIFICATIONS/APPROVALS

ANSI Z21.15, CSA
Listed by Warnock Hersey (see back side)
System design number: SC/WA120, W/N 14409

696R1021GF

DIMENSIONS

	Model	696-1020GF	696-1021GF	696-1031GF
	Adapter inlet x outlet	n/a	1/2" MIP x 1/2" FIP	3/4" MIP x 3/4" FIP
	Valve inlet x outlet	1/2" FIP x 1/2" FIP	1/2" MIP x 1/2" FIP	3/4" MIP x 3/4" FIP
A:	Frame width	5-7/8"		
B:	Frame height	7-1/4"		
C:	Box width	4"		
D:	Box height	5-1/2"		
E:	Box depth	3-1/2"		
	Bracket length	18"		



Create Item Number

696-A

e.g. 696R1021GF: Fire-rated gas supply outlet box with brass adapter and valve - 1/2" MIP inlet x 1/2" FIP outlet

VALVE/ADAPTER CONNECTION A

- ☐ **R1020GF** = 1/2" FIP inlet x 1/2" FIP outlet valve[2]
- ☐ **R1021GF** = 1/2" MIP inlet (adapter) x 1/2" FIP outlet (valve)
- ☐ **R1031GF** = 3/4" MIP inlet (adapter) x 3/4" FIP outlet (valve)

Accessories - Available Separately:
696-EX: Frame extension[3]

1 Only models 696-G1021 and 696-G1031 include valve adapter | 2 For use with CSST adapter - supplied by others
3 696-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.² of penetrations per 100 ft² 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" × 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

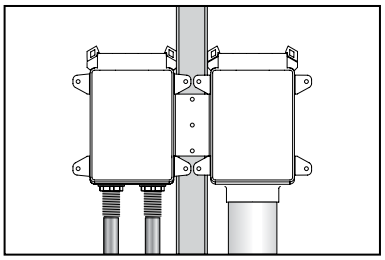


FIGURE 3

"separate stud bay" installation

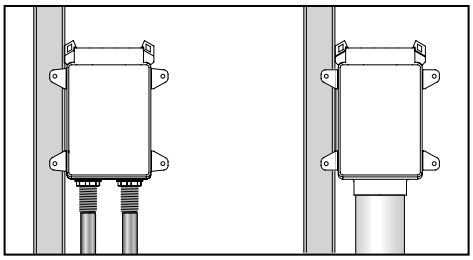


FIGURE 4

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

ASTM E-814	CAN/ULC S115
2 hours (F), 90 mins (T) for 2-hour design	2 hours (F), 90 mins (T) for 2-hour design
1 hour (F), 31 mins (T) for 1-hour design	1 hour (F), 31 mins (T) for 1-hour design
ASTM E119	**UL 1479**

SCM SPEC ID 23320

FIGURE 1

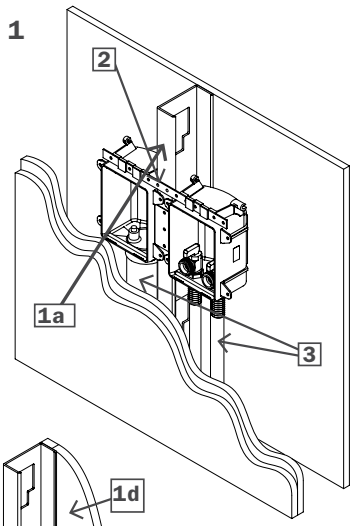
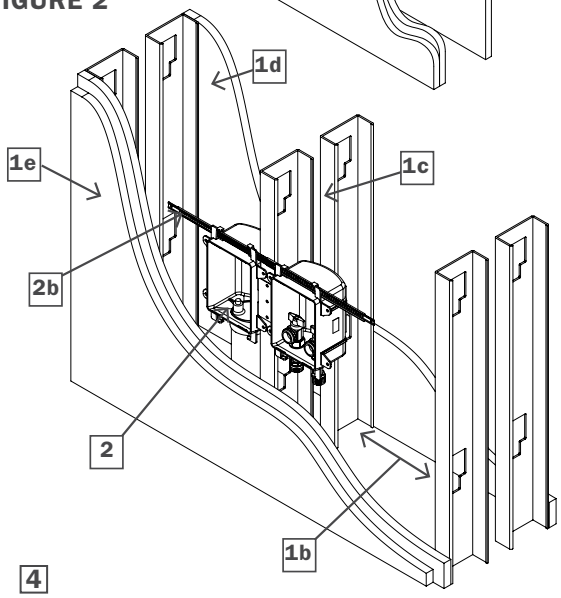


FIGURE 2



UL D.#U341