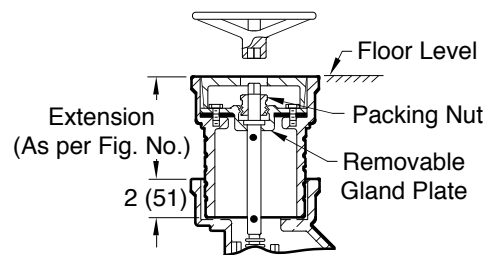
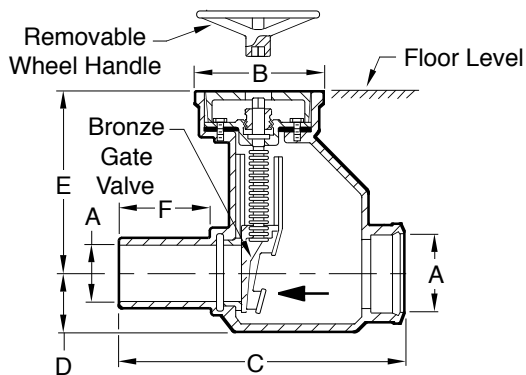


GATE VALVES

IN-LINE MANUAL SHUT-OFF GATE VALVE

FUNCTION: Operates as a drainage control valve. Manually closed "spade" type gate valve provides complete "closure" protection during emergency storm conditions or when building is completely shut down.



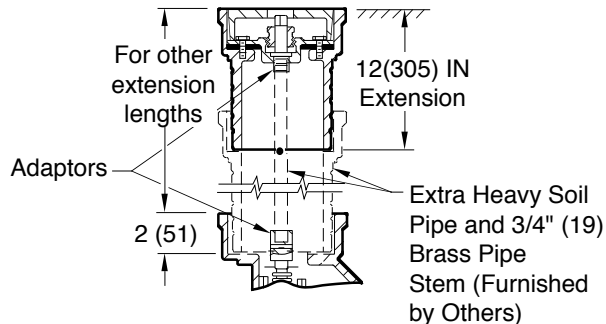
- Fig. 7160C CAULK INLET NO-HUB OUTLET
- Fig. 7160Y NO-HUB INLET & OUTLET

- Fig. 7161C . . . with 12(305) in. Extension/04(100) in. Inlet & Outlet
- Fig. 7161Y . . . with 12(305) in. Extension/04(100) in. Inlet & Outlet
- Fig. 7162C . . . with 24(610) in. Extension/04(100) in. Inlet & Outlet
- Fig. 7162Y . . . with 24(610) in. Extension/04(100) in. Inlet & Outlet
- Fig. 7163C . . . with 9 1/2(240) in. Extension/06(150) in. Inlet & Outlet
- Fig. 7163Y . . . with 9 1/2(240) in. Extension/06(150) in. Inlet & Outlet
- Fig. 7164C . . . with 21 1/2(545) in. Extension/06(150) in. Inlet & Outlet
- Fig. 7164Y . . . with 21 1/2(545) in. Extension/06(150) in. Inlet & Outlet

A SIZE	B DIA.	C	D	E	F
04(100)	8 (205)	18(455)	3 3/4(95)	12(305)	5(125)
06(150)	10 1/2(265)	20(510)	4 1/2(115)	14 1/2(370)	5(125)

NOTES:

- Fig. 7160C and 7160Y are accessible from finished floor. Non-rising stem with spade-shaped gate assures positive closure.
- Extension joint(s) must be caulked using 1"(25) of oakum and 1"(25) of poured lead. Not sized for compression type gaskets.
- During periods when manual shut-off valve is closed, use of building plumbing fixtures and drains must be avoided.
- Use for gravity flow only, not for pressurized applications.
- Dimensions shown in parentheses are in millimeters.



- Fig. 7165C . . . CAULK WITH EXTENSION ADAPTOR
- Fig. 7165Y . . . NO-HUB WITH EXTENSION ADAPTOR

REGULARLY FURNISHED:

Duco Cast Iron Body and Cover with Removable Wheel Handle. Bronze Gate Valve. Cast Iron Extensions as Indicated by Figure Number Selected.

VARIATIONS:

- Outlet Sized for Service Weight -SW (When Specified)

OPTIONAL MATERIALS:

- Galvanized Cast Iron -G

DRAWING NUMBER
S7160

SIZE
A

SCALE:
NONE

DATE:
5-17-96

APPROVED BY:

CHECKED BY:

DRAWN BY:
EMB

7160

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

FIGURE NUMBER	A	10-14-15	Rev. Title, Function, Notes	TBW	CL	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
	REV.	DATE	DESCRIPTION	BY	CKD. BY			7160



MEMBER OF:

LOCATION

BACKWATER VALVES

INLINE MANUAL SHUT-OFF GATE VALVE

PARTS LIST AND MAINTENANCE INSTRUCTIONS

PART NO.	DESCRIPTION
1	WHEEL HANDLE
2	COVER PLATE
3	STEM
4	PACKING BUSHING
5	VALVE PLATE BOLTS
10	GATE
11	GATE SEAT
12	BODY
13	VALVE PLATE
14	VALVE PLATE GASKET
15	PACKING
16	EXTENSION ROD ASSEMBLY
17	CHECK PLUG
18	EXTENSION
19	EXTENSION ADAPTOR
20	EXTENSION ADAPTOR STEM - TOP
21	STEM PIN
22	STEM PIN
23	EXTENSION ADAPTOR STEM ASS'Y - LOWER

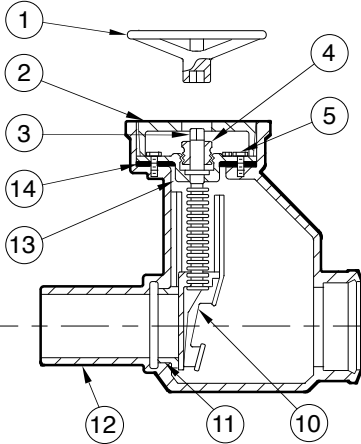


Fig. 7160
04 (100), 06"(150)

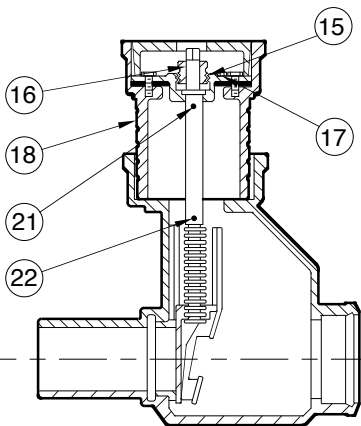


Fig. 7161 04"(100)
Fig. 7162 04"(100)
Fig. 7163 06" (150)
Fig. 7164 06"(150)

NOTE: Extension joint(s) must be caulked using 1" (25) of oakum and 1" (25) of poured lead. Not sized for compression type gaskets.

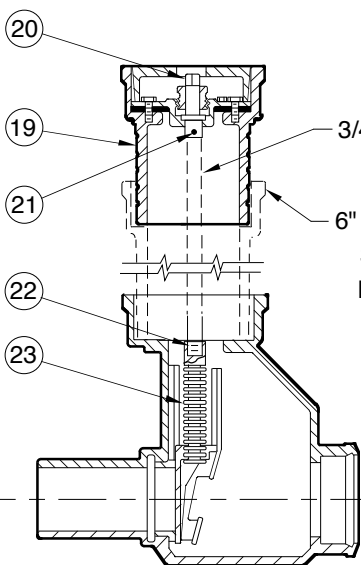


Fig. 7165
04 (100), 06"(150)

NOTE: Dimensions shown in parentheses are in millimeters.

NOTE: For Replacement Parts Specify Part No., Fig. No. and Size Gate Valve.

Cover Plate Dia. For 04" (100) Size 7" (180) Dia.
 Cover Plate Dia. For 06" (150) Size 9 1/2 (240) Dia.

SEMI-ANNUAL MAINTENANCE INSTRUCTIONS

1. REMOVE COVER PLATE.
2. LOOSEN FOUR BOLTS FROM VALVE PLATE.
3. CLOSE GATE VALVE UNTIL VALVE COVER PLATE LOOSENS.
4. REMOVE VALVE PLATE, STEM AND GATE ASSEMBLY.
5. HOSE DEBRIS FROM VALVE BODY AND LUBRICATE STEM
6. REPLACE ASSEMBLY IN VALVE BODY, MAKE SURE THE GATE IS IN TRACK.
7. START THE BOLTS, AND TURN WHEEL HANDLE TO OPEN POSITION.
8. TIGHTEN BOLTS.

DRAWING NUMBER
S7160BS

SIZE
A

SCALE:
NONE

DATE:
5-17-96

APPROVED BY:

CHECKED BY:

DRAWN BY:
EMB

7160BS

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

REV.	DATE	DESCRIPTION	BY	CKD. BY
A	10-14-15	Rev. Instructions	TBW	CL

WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
		7160BS