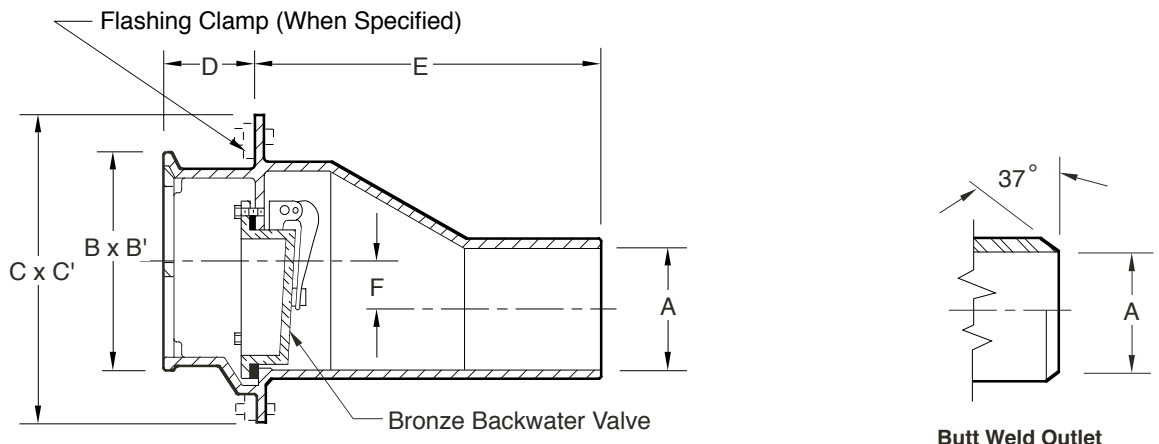


PIT DRAINS WITH BACKWATER VALVE STAINLESS STEEL - CARBON STEEL

FUNCTION: Used at base of side walls in pits, where low elevation requires a vertical inlet grate and side outlet roughing. Unless obstructed by debris or sludge, SMITH backflow valves prevent backflow which could damage equipment in pit. Used for gravity flow, not for high flow pump applications.



Butt Weld Outlet
Schedule 40 Regularly Furnished

□ Fig. 9790S . . . SPIGOT OUTLET

A SIZE	B x B'	C x C'	D	E	F	Free Area
03(75),04(100)	6 3/4(170) x 9 1/2(240)	10 1/4(260) x 12(305)	3(76)	11 1/4(285)	2 3/4(70)	15.07 SQ IN (97) SQ CM
05(125),06(150)	7 3/4(195) x 11(280)	9 3/4(250) x 13(330)	4(100)	13 1/4(335)	1 1/4(32)	24.57 SQ IN (159) SQ CM
08(200)	12 1/2(320) x 14 1/2(370)	17 1/4(440) x 19(485)	4(100)	22(560)	3 1/2(89)	56.14 SQ IN (362) SQ CM

NOTE: Backwater Valve flapper set at factory to hang in closed position. Pin can be moved to permit flapper to hang open 1/4" (6) to permit air circulation.

NOTE: Dimensions shown in parentheses are in millimeters.

NOTE: These valves offer protection against backwater surges. Backflow is prevented when valve is not obstructed by debris or sludge. Use for gravity flow only, not for pressurized applications.

Design Pressures and Temperatures

1. With proper outlet connection, shall be watertight up to 10 ft. of water column (4.34 psig).
2. When exposed to effluent appropriate for drain material, the drain shall withstand effluent temperatures of 180 degrees F at ambient pressure.

REGULARLY FURNISHED:

CF8 (Equivalent to Type 304) Rough Finish Stainless Steel Body with Secured Grate and Bronze Backwater Valve.

VARIATIONS:

- Flashing Clamp -C
- Stainless Steel Backwater Valve -BWV
- Vandal Proof Grate -U
- BW Butt Weld Outlet (Specify Schedule -S05, -S10 or -S40)

OPTIONAL MATERIALS:

- A-27 Carbon Steel -A27
- Cast Iron Grate -CIG
- CF8M (Equivalent to Type 316) Stainless Steel -316

9790

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

DRAWN BY: PJ

CHECKED BY: VGD

APPROVED BY: TD

DATE: 11-12-84

SCALE: NONE

SIZE: A

DRAWING NUMBER: S9790

G

REV.	DATE	DESCRIPTION	BY	CKD. BY	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
	10-18-11 5-1-06 05/31/00 7-10-95	Added Note Rev. Variations Changed Metric Equivalents Added Millimeters	TBW RN JJ EMB	CL CL BS BS			9790