

ENGINEERING COMMUNIQUÉ

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From: THE SMITH ENGINEERING GROUP

**SUBJECT: QUAD CLOSE® TRAP SEAL (STINK STOPPER) –
FIGURE NO. 2692**

**The Quad Close® Trap Seal (Stink Stopper) is now available in
1½" and 6" sizes.**

◆ These sizes conform to the ASSE Standard #1072 – Barrier Type Floor Drain Trap Seal Protection Devices in design, performance and protocols.

◆ Design: They feature the same unique and Patent Pending quad seal design, reducing the need for the periodic admission of water into the floor drain's trap to maintain a trap seal.

◆ Ideally suited for retrofitting/repairing of existing floor, shower, area drains and similar applications where there is no existing trap protection or the current protection has failed.

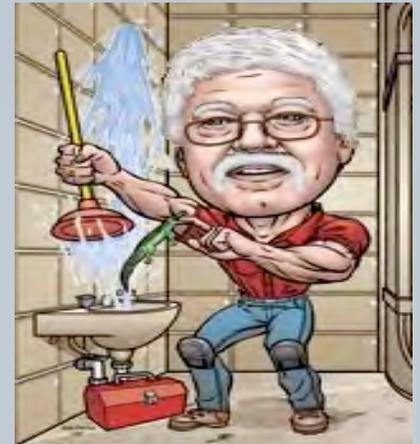
◆ Prevents odors by eliminating the emission of offensive sewer gases from entering the living/work environment. Also, assists as a barrier to prevent insects from entering through the floor drain.

◆ Designed to fit the inside diameters of 1-1/2" and 6" ABS, PVC and cast iron pipe.

◆ Fast & simple to install, easily removed for inspection, cleaning or replacement. No special tools required.

◆ Statistics:

- Ten-year warranty,
- Meets or exceeds the minimum flow rates of 6 GPM (22.7 l/m) for the 1-1/2" and 215 GPM (814 l/m) for the 6" as established by the Standard,



LISTINGS:

IAPMO or ASSE listings have not been at this time obtained as indicated on the attached submittal drawing. These two sizes have passed the internal testing to the Standard so these listings will be pursued in the future. These units are engineered and produced the same as the other four sizes. Therefore, when discussing features, material or function, they are the same quality product.

- The same superior elastomeric material as used with the 2"-4" sizes enabling the devices to be installed in all types of floor applications including dirt & debris, wax and grease laden floors,
- Weather tested for 250 continuous hours per ASTM G154 and ASTM D412 with no cracking, checking, blistering or surface pitting occurring after the 250 hours of UV exposure,
- Meets the water absorption test per ASTM D471 when submerged in water with no significant weight gain after 48 hours and
- Reduces evaporation from the trap seal in both tests, one being an unobstructed device and the other being a device fouled with a 1/8" diameter wire



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MEMBER OF:



LOCATION

DRAWING NUMBER
S2692SIZE
ASCALE:
NONEDATE:
5-20-08APPROVED BY:
JMCHECKED BY:
CLDRAWN BY:
RN

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

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

QUAD CLOSE® TRAP SEAL

FUNCTION: The Quad Close Trap Seal forms a barrier to minimize the evaporation of the trap seal of a floor drain. The Quad Close Trap Seal will open to allow drainage and close when there is no flow. It is for use in floor drain outlets or the adjustable strainer throats.

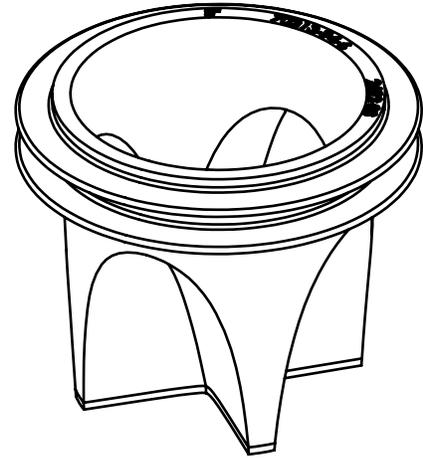
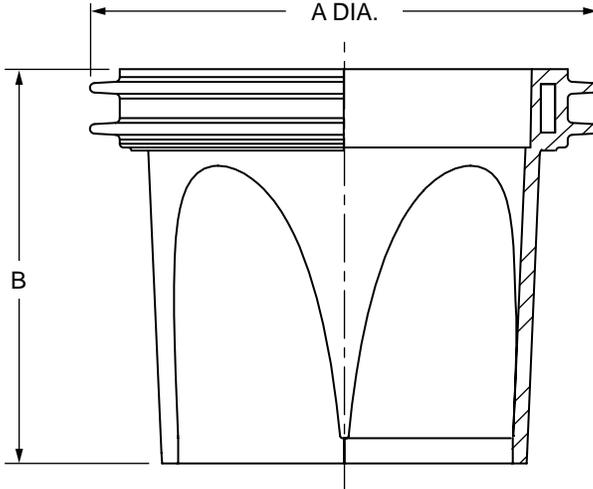


FIG. NO.	A (Pipe Size)	B	IAPMO LISTED ①	ASSE LISTED ①	GPM FLOW RATE ③
<input type="checkbox"/> 2692-0150	01.5(38)	2.09(53)	—	—	6.0 (22.7 L/M)
<input type="checkbox"/> 2692-02	02(50)	2.66(68)	FILE # 7479	REC.#1435 AF-GW ⑤	12.0 (45.4 L/M)
<input type="checkbox"/> 2692-03	03(75)	2.66(68)	FILE # 7479	REC.#1435 AF-GW ⑤	34.0 (128.7 L/M)
<input type="checkbox"/> 2692-0350 ②	0350(89) ②	2.66(68)	FILE # 7479	REC.#1435 AF-GW ⑤	51.0 (193.06 L/M)
<input type="checkbox"/> 2692-04	04(100)	2.66(68)	FILE # 7479	REC.#1435 AF-GW ⑤	73.0 (276.4 L/M)
<input type="checkbox"/> 2692-06	06(150)	3.66(93)	—	—	215.0 (814.0 L/M)

INSTALLATION: The 01.5(38), 02(50), 03(75), 04(100) & 06(150) Quad Close Trap Seal sizes install in the drain outlet. To install, simply insert the Quad Close Trap Seal in the drain outlet or ② throat of strainer until the top of it is flush with top of drain outlet or strainer throat. See reverse side of submittal for illustration.

NOTES:

- ① Tested by The IAPMO R&T Product Certification Agency to ASSE Standard #1072, Barrier Type Floor Drain Trap Seal Protection Devices. All sections of the Standard was successfully passed.
- ② The 0350 (89) Quad Close Trap seal size installs in the throat of Smith adjustable strainers. See reverse side of submittal for illustration.
- ③ Required flow rates per ASSE Standard #1072, Section I. All sizes meets or exceeds these flow rates.
- ④ Do not use in applications where the room/space has an atmospheric pressure less than the ambient pressure of the exterior of the room/space or building.
- ⑤ AF-GW represents floor designation/rated for all floor types per ASSE 1072, Section II.
- ⑥ Copies of the listing certificates and/or ASSE 1072 Test Report available upon request.

NOTE: Dimensions shown in parentheses are in millimeters.

Patent Pending

2692

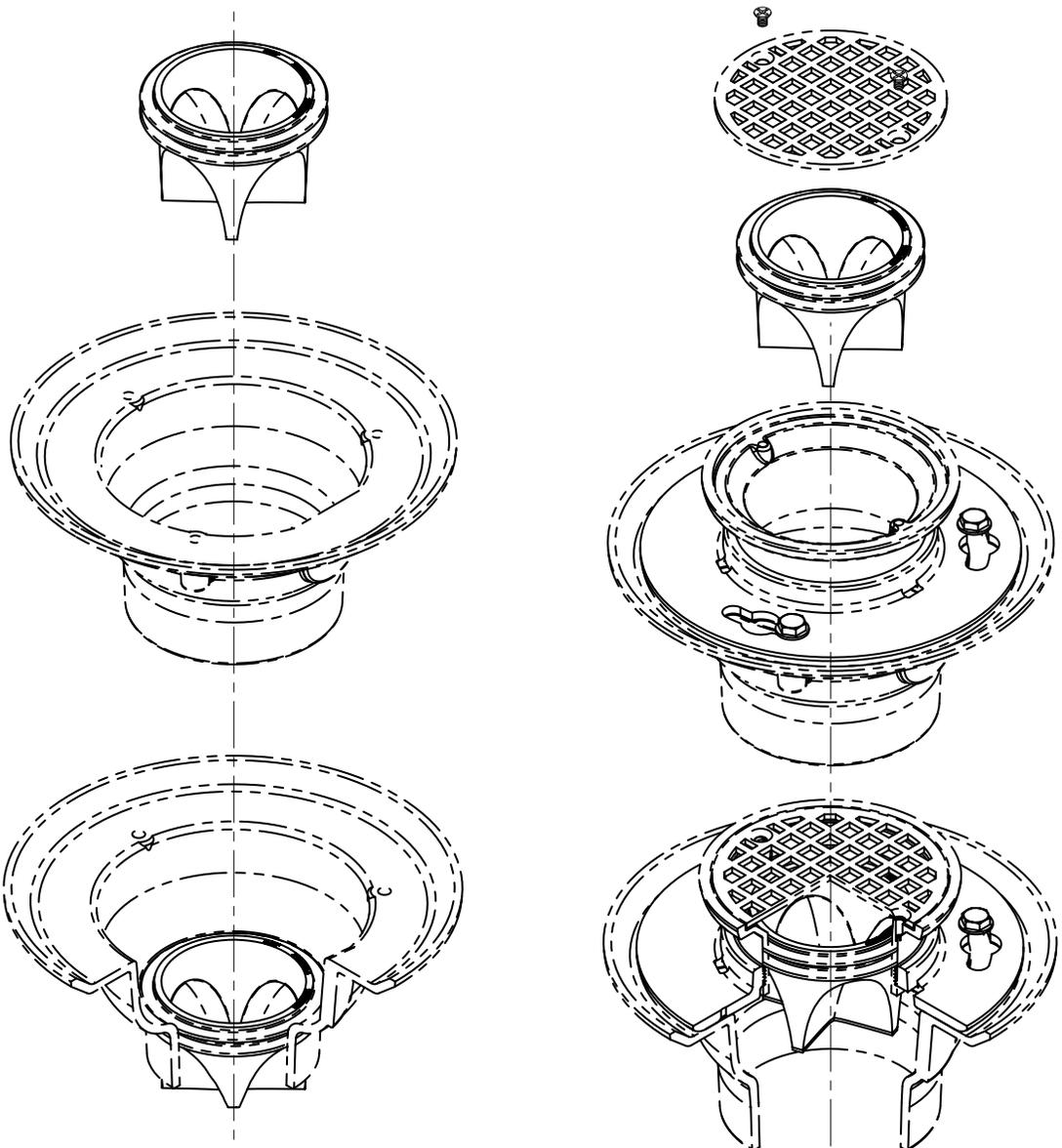
FIGURE
NUMBER

REV.	DATE	DESCRIPTION	BY	CKD. BY
	8-26-14 7-30-14 5-22-14 11-6-12	Revised Table Added L/M Revised Table, Notes Removed▲	TBW TBW TBW TBW	JM JM JM CL

WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
		2692

DRAWING NUMBER s2692 BS	SCALE: NONE	DATE: 5-20-08	APPROVED BY: JM	CHECKED BY: CL	DRAWN BY: RN	SIZE A	FIGURE NUMBER 2692 BS	DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE	WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA	QUAD CLOSE® TRAP SEAL
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Installation Illustrations



Installation in Drain
Body Outlet

0150(38), 02(50), 03(75), 04(100) & 06(150) Sizes

Installation in Strainer
Throat ©

0350(89) Size

INSTALLATION: The 0150(38), 02(50), 03(75), 04(100) & 06(150) Quad Close Trap Seal sizes install in the drain outlet. The 0350(89) Quad Close Trap Seal size installs in the throat of adjustable strainers. To install simply insert the Quad Close Trap Seal in the drain outlet or throat of strainer until the top of it is flush with top of drain outlet or strainer throat.

REV.	DATE	DESCRIPTION	BY	CKD. BY	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER 2692 BS
D	8-26-14	Revised Installation	TBW	JM			
C	4-24-12	Rev. Title, Installation	TBW	CL			
B	4-2-12	Added Note	TBW	DP			
A	2-10-10	Revised Drawing	RN	BW			