



Quality People. Building Solutions.

Comfort Systems USA (Arkansas), Inc.
P.O. Box 16620
LittleRock, AR 72231
Phone 501-834-3320
Fax 501-834-5416

Date: 8/21/2025

Return Request: 9/4/2025

Project: Hot Springs National Park – Rehabilitate Bathhouses – Libbey Bathhouse

Supplier: Sanders Supply

Manufacturer: Varies

Submittal: Plumbing Specialties

Submittal Number: 221030.001

Spec Section: 221030, 2.1 through 2.11

Drawing # and Installation Location: P1.1

ARCHITECT

Quinn Evans Architects
219-1/2 N. Main Street
Ann Arbor, Michigan 48104
(734)663-5888

GENERAL CONTRACTOR

Tepa, LLC
2345 Grand Blvd, Suite 700
Kansas City, Missouri 64108
(816)708-1110

ENGINEER

IMEG Corp.
1600 Baltimore Street, Suite 300
Kansas City, Missouri 64108
(816)842-8437

MECHANICAL SUBCONTRACTOR

Comfort Systems USA (Arkansas), Inc.
9924 Landers Road
North Little Rock, Arkansas 72117
(501)834-3320

Comments:

CSUSA PROJECT NO.

25-7065

joe@comfortar.com

9924 Landers Road
No. LittleRock, AR 72117



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Fax 501-834-5416

Spec Section 221030, 2.1

Clean-Outs (FCO)

FCO-1

Engineering Specification

Job Name Maurice
 Job Location HS
 Engineer IMEG
 Approval _____

Contractor Comfort Systems USA
 Approval _____
 Contractor's P.O. No. _____
 Representative Sanders Supply

CO-200-R

Floor Cleanout With Round Top

Specification

Watts CO-200-R epoxy coated cast iron floor cleanout with 5"(127) round adjustable gasketed nickel bronze top, removable gas tight gasketed brass cleanout plug, and no hub (standard) outlet.

Call customer service if you need assistance with technical details.

Pipe Sizing		
Suffix	Description	
2	2"(51) Pipe Size	☐
3	3"(76) Pipe Size	☐
4	4"(102) Pipe Size	☐

Outlet Type		
Suffix	Description	
NH	No Hub (MJ)	☐
P	Push On	☐
X	Inside Caulk	☐

Options		
Suffix	Description	
-C	Membrane Clamp	☐
-6	Vandal Proof	☐
-13	Galvanized Body	☐
-CF	Carpet Clamping Flange	☐
-SO	Side Outlet	☐

Optional Body Material		
Suffix	Description	
-60	PVC Body w/Poly Plug	☐
-61	ABS Body w/Poly Plug	☐

Load Rating

MD

NOTICE

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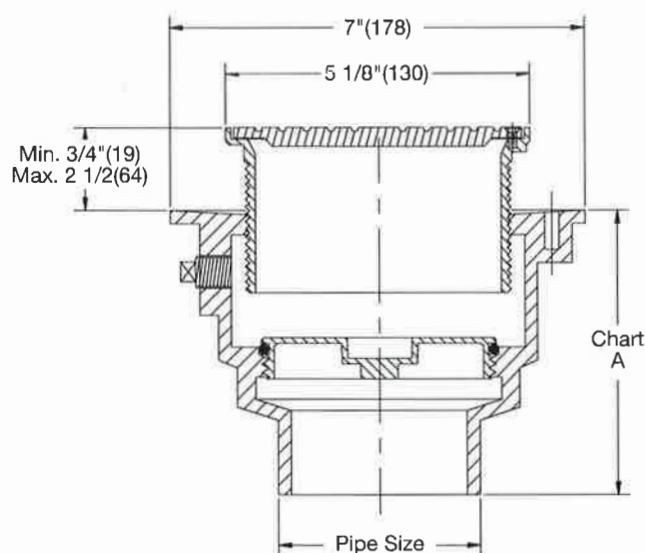


Chart A

Pipe Size	NH	Push On	PVC/ABS
2"(51)	4 3/4"(121)	5 1/2"(140)	4"(102)
3"(76)	4 3/4"(121)	5 1/2"(140)	4"(102)
4"(102)	4 3/4"(121)	5 1/2"(140)	4"(102)

NOTICE

The load classifications are in accordance with the American National Standards ASME A112.36.2M-91(R2012) ASME Ratings are as follows:
 MD - Safe Live Load 2000-4999 lbs. (900-2250 kg)
 The above categories are given as a guide only.
 Please consult factory.



USA: T: (800) 338-2581 • Watts.com
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ES-WD-CO-200-R 2410

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Spec Section 221030, 2.3

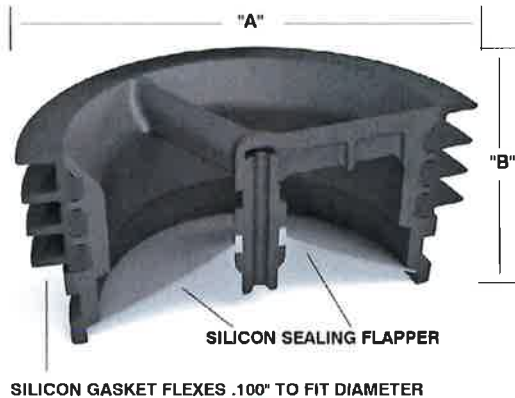
Trap Seals (for FS-1 and FS-2)


MI-GARD®
FLOOR DRAIN TRAP SEAL

Specification: MIFAB® MI-GARD® Series inline floor drain trap seal with UV resistant ABS plastic frame, silicon rubber sealing flapper and four flexible sealing ribs. Tested and certified to the ASSE 1072 Standard and listed with IAPMO and I.P.C. Specify connection size (1 1/2", 2", 3", 3 1/2", 4" or 6"). 10 year warranty is included.



Function: Used in the outlet connections of floor drain bodies, or the inside of floor drain strainers to seal the opening to prevent odors, sewer gases, and insects from entering up through the floor drain grate. The MI-GARD®'s four flexible silicone sealing ribs ensure easy installation into openings that have variations in size. The MI-GARD® will open to allow drainage and close when there is no water flow. MI-GARD can be used independent or in conjunction with trap seal primers for added protection against sewer gases and insects entering up through the floor drain grate. MI-GARD is not designed to substitute the trap seal primers.


BOTTOM OF BODY

TOP OF STRAINER

MODEL NO.	"A" (PIPE SIZE)	"B" (HEIGHT)
MI-GARD-1.5	1-1/2" (38)	2" (51)
MI-GARD-2	2" (51)	2" (51)
MI-GARD-3	3" (76)	2" (51)
MI-GARD-3.5	3 1/2" (89)	2" (51)
MI-GARD-4	4" (102)	2" (51)
MI-GARD-6	6" (152)	2" (51)
MI-GARD-TS (used with Top Set Drains with 4" outlet)	4" (102)	2" (51)

Note: The MI-GARD-6 is designed in accordance with industry standards but is not IAPMO listed. All MI-GARD Floor Drain Trap Seals are in compliance with International Plumbing Code (I.P.C.)



MI-GARD-3, 4 and 6 are I.C.C. and BMEC approved.

MI-GARD® prevents the following from entering through the top of floor drains:
-Odors -Sewer gases -Insects

CALIFORNIA PROPOSITION 65 WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

 Job Name: **HS Bathhouses**

Page No: _____

Section No: _____

 Contractor: **CSUSA**

Schedule No: _____

Purchase Order No: _____



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Spec Section 221030, 2.4

Floor Sinks (FS-1 and FS-2)

FS-1

Engineering Specification

Job Name HS BathhousesContractor Comfort Systems USAJob Location HS

Approval _____

Engineer IMEG

Contractor's P.O. No. _____

Approval _____

Representative Sanders Supply

FS-740

12" Square x 8" Deep Sanitary Floor Sink

Specification

Watts FS-740 12" square x 8" deep sanitary floor sink with white acid resistant porcelain enamel coated interior, loose set porcelain enamel coated cast iron grate, polypropylene dome bottom strainer, and no hub (standard) outlet.

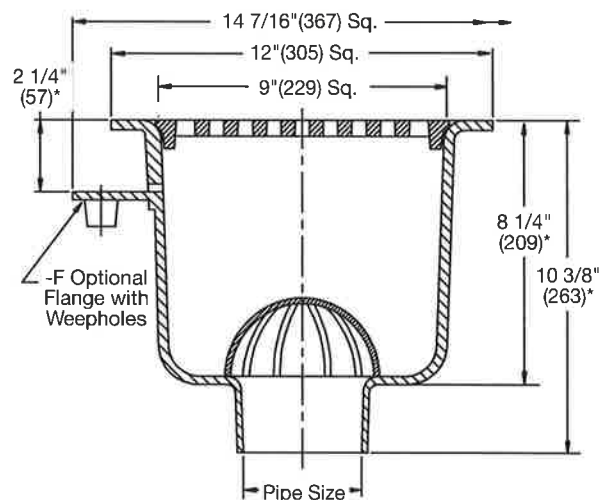
Call customer service at 1 (800) 338-2581 if you need assistance with technical details.

Pipe Sizing		
Suffix	Description	
2	2" (51) Pipe Size	☐
3	3" (76) Pipe Size	☐
4	4" (102) Pipe Size	☐

Outlet Type		
Suffix	Description	
NH	No Hub (MJ)	☐
P	Push-On	☒

Options		
Suffix	Description	
-F	Flange with Weepholes	☐
-FC	Flange w/Weepholes & Flashing Clamp	☐
-FS-DS-SS	Stainless Steel Dome Strainer	☐
-1	Nickle Bronze Top	☒
-3	Stainless Steel Rim & Grate	☐
-5	Sediment Bucket	☐
-6	Vandal Proof (-1, -3 Only)	☐
-7	Trap Primer Tapping	☐
-9	Hinged Grate (-1 Only)	☐
-21	Secondary Strainer	☐
-33	Less Grate	☐
-128	Grate w/2 1/2" (64) Center Opening	☐
-150	1/2 Grate	☐
-175	3/4 Grate	☐
-F4-1	4" Round Nickel Bronze Funnel	☐
-F6-1	6" Round Nickel Bronze Funnel	☐
-G-1	4 x 9" Oval Nickel Bronze Funnel	☐

Free Area Sq. In.	
Standard Grate	With -1/-3 Rim & Grate
31	47



*Add 5/8" (16) for -1 Nickel Bronze Top or -3 Stainless Steel Top

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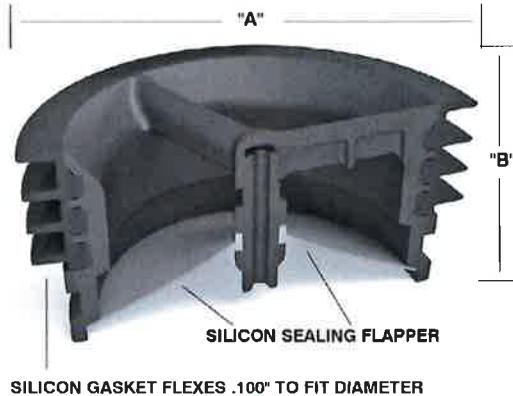
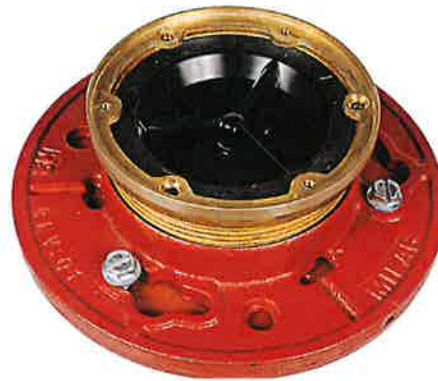
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MI-GARD®
FLOOR DRAIN TRAP SEAL

Specification: MIFAB® MI-GARD® Series inline floor drain trap seal with UV resistant ABS plastic frame, silicon rubber sealing flapper and four flexible sealing ribs. Tested and certified to the ASSE 1072 Standard and listed with IAPMO and I.P.C. Specify connection size (1 1/2", 2", 3", 3 1/2", 4" or 6"). 10 year warranty is included.



Function: Used in the outlet connections of floor drain bodies, or the inside of floor drain strainers to seal the opening to prevent odors, sewer gases, and insects from entering up through the floor drain grate. The MI-GARD®'s four flexible silicone sealing ribs ensure easy installation into openings that have variations in size. The MI-GARD® will open to allow drainage and close when there is no water flow. MI-GARD can be used independent or in conjunction with trap seal primers for added protection against sewer gases and insects entering up through the floor drain grate. MI-GARD is not designed to substitute the trap seal primers.


BOTTOM OF BODY

TOP OF STRAINER

MODEL NO.	"A" (PIPE SIZE)	"B" (HEIGHT)
MI-GARD-1.5	1-1/2" (38)	2" (51)
MI-GARD-2	2" (51)	2" (51)
MI-GARD-3	3" (76)	2" (51)
MI-GARD-3.5	3 1/2" (89)	2" (51)
MI-GARD-4	4" (102)	2" (51)
MI-GARD-6	6" (152)	2" (51)
MI-GARD-TS (used with Top Set Drains with 4" outlet)	4" (102)	2" (51)

Note: The MI-GARD-6 is designed in accordance with industry standards but is not IAPMO listed. All MI-GARD Floor Drain Trap Seals are in compliance with International Plumbing Code (I.P.C.)



MI-GARD-1.5

MI-GARD-3, 4 and 6 are I.C.C. and BMEC approved.



MI-GARD® prevents the following from entering through the top of floor drains:

-Odors -Sewer gases -Insects

CALIFORNIA PROPOSITION 65 WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

 Job Name: **HS Bathhouses**

Page No: _____

Section No: _____

 Contractor: **CSUSA**

Schedule No: _____

Purchase Order No: _____

FS-2

Engineering Specification

Job Name **HS Bathhouses**
 Job Location **HS**
 Engineer **IMEG**
 Approval _____
 Tag **FS-2**

Contractor **Comfort Systems USA**
 Approval _____
 Contractor's P.O. No. _____
 Representative **Sanders Supply**

FS-710

8" Square x 6" Deep Sanitary Floor Sink

Specification

Watts FS-710 8"(203) square x 6"(152) deep sanitary floor sink with white acid resistant porcelain enamel coated interior, loose set porcelain enamel coated cast iron grate, polypropylene dome bottom strainer, and no hub (standard) outlet.

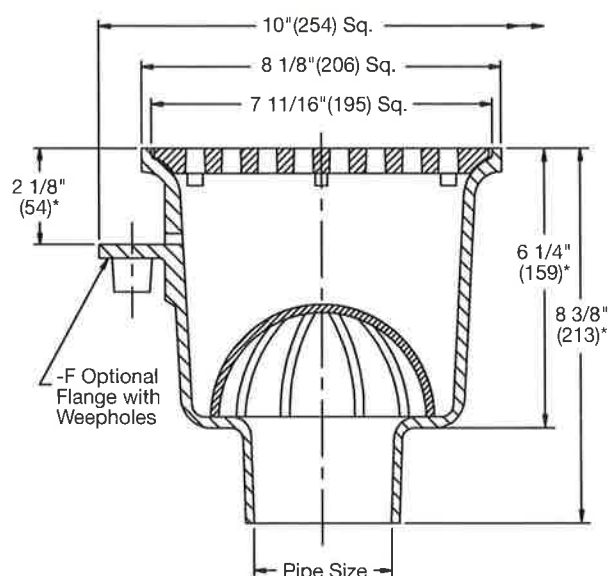


Pipe Sizing		
Suffix	Description	
2	2"(51) Pipe Size	☐
3	3"(76) Pipe Size	☐
4	4"(102) Pipe Size	☐

Outlet Type		
Suffix	Description	
NH	No Hub (M.J.)	☐
P	Push-On	☒

Options		
Suffix	Description	
-F	Flange with Weepholes	☐
-FC	Flange w/Weepholes & Flashing Clamp	☐
-1	Nickel Bronze Top	☒
-3	Stainless Rim & Grate	☐
-5	Sediment Bucket	☐
-6	Vandal Proof (-1 Only)	☐
-7	Trap Primer Tapping	☐
-9	Hinged Grate (-1 Only)	☐
-21	Secondary Strainer	☐
-33	Less Grate	☐
-150	1/2 Grate	☐
-175	3/4 Grate	☐
-F4-1	4" Round Nickel Bronze Funnel	☐
-F6-1	6" Round Nickel Bronze Funnel	☐
-G-1	4x9" Oval Nickel Bronze Funnel	☐

Free Area Sq. In.	
Standard Grate	With -1/-3 Grate
16	19



*Add 5/8"(16) for -1 Nickel Bronze Top or -3 Stainless Steel Top

NOTICE

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Please refer to watts.com for BAA information on specific models.

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Function: Used in the outlet connections of floor drain bodies, or the inside of floor drain strainers to seal the opening to prevent odors, sewer gases, and insects from entering up through the floor drain grate. The MI-GARD®'s four flexible silicone sealing ribs ensure easy installation into openings that have variations in size. The MI-GARD® will open to allow drainage and close when there is no water flow. MI-GARD can be used independent or in conjunction with trap seal primers for added protection against sewer gases and insects entering up through the floor drain grate. MI-GARD is not designed to substitute the trap seal primers.


BOTTOM OF BODY

TOP OF STRAINER

MODEL NO.	"A" (PIPE SIZE)	"B" (HEIGHT)
MI-GARD-1.5	1-1/2" (38)	2" (51)
MI-GARD-2	2" (51)	2" (51)
MI-GARD-3	3" (76)	2" (51)
MI-GARD-3.5	3 1/2" (89)	2" (51)
MI-GARD-4	4" (102)	2" (51)
MI-GARD-6	6" (152)	2" (51)
MI-GARD-TS (used with Top Set Drains with 4" outlet)	4" (102)	2" (51)

Note: The MI-GARD-6 is designed in accordance with industry standards but is not IAPMO listed. All MI-GARD Floor Drain Trap Seals are in compliance with International Plumbing Code (I.P.C.)



MI-GARD-3, 4 and 6 are I.C.C. and BMEC approved.



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CALIFORNIA PROPOSITION 65 WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Job Name: HS Bathhouses

Page No: _____

Section No: _____

Contractor: CSUSA

Schedule No: _____

Purchase Order No: _____



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Phone 501-834-3320

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Spec Section 221030, 2.6

Backflow Preventer (BFP-1)

BFP-1

Engineering Specification

Job Name **HS Bathhouses**
 Job Location **HS**
 Engineer **IMEG**
 Approval _____

Contractor **Comfort Systems USA**
 Approval _____
 Contractor's P.O. No. _____
 Representative **Sanders Supply**

LEAD FREE*

Series 957

Reduced Pressure Zone Assembly

2½" – 10"

Series 957 Reduced Pressure Zone assembly provides protection to the potable water system from contamination in accordance with national plumbing codes. The assemblies are normally used in health hazard applications for protection against backsiphonage or backpressure.

The series includes a flood sensor to detect excessive water discharges from the relief valve. The sensor is installed on the assembly exterior and does not alter assembly functions or certifications. The sensor relays a signal that triggers notification to facility personnel for corrective action, thus limiting flooding and costly damage.

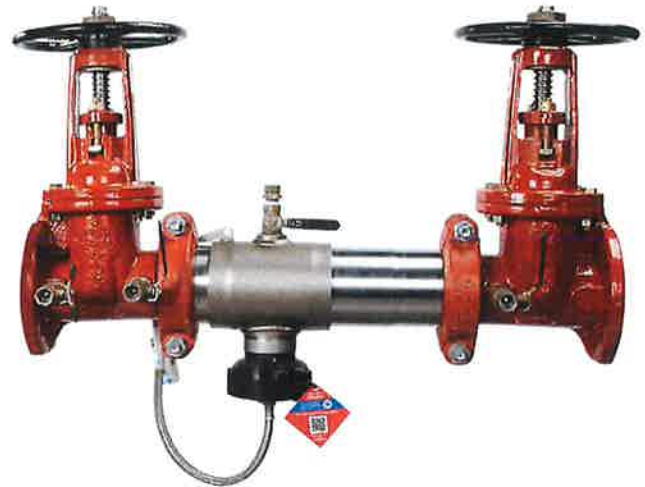
NOTICE

An add-on connection kit is required to activate the flood sensor. Without the connection kit, the sensor is a passive component that has no communication with any other device. (For more information download RP/IS-957/957DCDA.)

Features

- Sizes 2½", 3", and 4" available with quarter-turn ball valve shutoffs
- Replaceable check disc rubber
- Extremely compact design
- 70% Lighter than traditional designs
- 304 (Schedule 40) stainless steel housing and sleeve
- Groove fittings allow integral pipeline adjustment
- Patented torsion spring checks provide lowest pressure loss
- Unmatched ease of serviceability
- Bottom mounted cast stainless steel relief valve
- Available with grooved butterfly valve shutoffs
- Sensor on relief valve for flood detection
- Flood alerts feature activated with add-on sensor connection kit, compatible with BMS and cellular network communication

*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.



957-OSY with Flood Sensor

NOTICE

Use of the flood sensor does not replace the need to comply with all required instructions, codes, and regulations related to installation, operation, and maintenance of this product, including the need to provide proper drainage in the event of a discharge.

Watts is not responsible for the failure of alerts due to connectivity issues, power outages, or improper installation.

NOTICE

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Inquire with governing authorities for local installation requirements.

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WATTS®

Specification

The Reduced Pressure Zone assembly shall consist of two independent torsion spring check modules, a differential pressure relief valve located between and below the two modules, two drip tight shutoff valves, and required torsion spring check modules and relief valve shall be contained with a sleeve accessible single housing constructed from 304 (Schedule 40) stainless steel pipe with groove end connections. Torsion spring checks shall have replaceable elastomer discs and in operation produce drip tight closure against the reverse flow of liquid caused by backpressure or backsiphonage. The assembly shall be a Watts Series 957, and shall include a flood sensor on the relief valve for flood detection.

Model/Option

FS	~~Flood sensor on relief valve for flood detection~~
NRS	Non-rising stem, resilient seated gate valves
OSY	UL Classified and FM Approved outside stem and yoke resilient seated gate valves
N	N-pattern orientation
Z	Z-pattern orientation
BFG	UL Classified and FM Approved grooved gear operated butterfly valves with tamper switch
QT	2½" - 4" quarter-turn ball valves
OSY FxG**	Flanged inlet gate connection and grooved outlet gate connection
OSY GxF**	Grooved inlet gate connection and flanged outlet gate connection
OSY GxG**	Grooved inlet gate connection and grooved outlet gate connection

Materials

Housing & Sleeve	304 (Schedule 40) stainless steel
Elastomers	EPDM, silicone, and Buna-N
Torsion Spring Checks	Noryl®, stainless steel
Check Discs	Reversible silicone or EPDM
Test Cocks	Lead Free* bronze body
Pins & Fasteners	300 Series stainless steel
Springs	Stainless steel

Pressure — Temperature

Temperature Range	33°F – 140°F (0.5°C – 60°C)
Maximum Working Pressure	175 psi (12.1 bar)

**Options for the gate valve:
– Consult factory for dimensions.
– Available with grooved NRS gate valves; consult factory.
– Post indicator plate and operating nut available; consult factory.

Noryl® is a registered trademark of SHPP Global Technologies B.V.

Approvals

- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at The University of Southern California (FCCCHR-USC), excluding 10" N-pattern installation as well as 6" and 10" Z-pattern installations
- AWWA C511-97

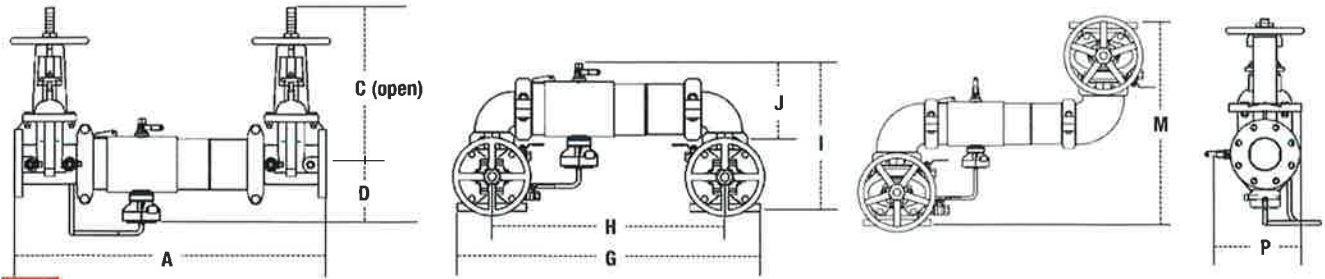


For additional approval information, contact the factory or visit watts.com.

NOTICE

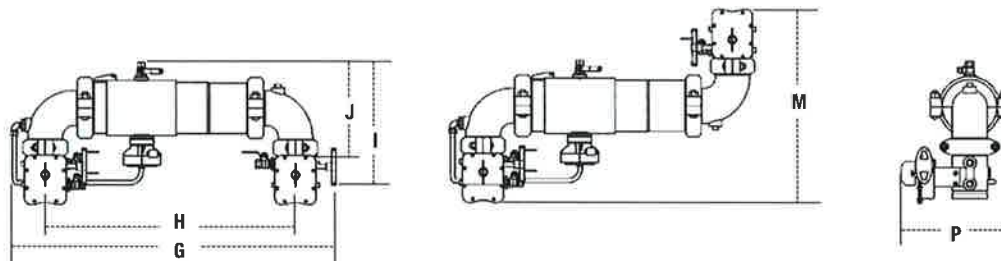
When installing a drain line on Series 957 backflow preventers, use 957AG air gaps. Attach the air gap brackets directly onto the flood sensor. For additional information, refer to ES-AG/EL/TC at watts.com

Dimensions - Weight



957, 957N, 957Z

SIZE			DIMENSIONS																		WEIGHT							
	A		C (OSY)		C (NRS)		D		G		H		I		J		M		P		957NRS		957OSY		957N NRS		957N OSY	
in.	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg	lb	kg	lb	kg	lb	kg
2½	30¾	781	16¾	416	9¾	238	6½	165	29¼	738	21½	546	15½	393	8½	223	21¼	540	9¾	234	118	54	128	58	126	57	136	62
3	31¾	806	18¾	479	10¼	260	6⅞	170	30¼	768	22¼	565	17½	435	9¾	233	23	584	10½	267	134	61	148	67	147	67	161	73
4	33¾	857	22¾	578	12¾	310	7	178	33	838	23½	597	18½	470	9¾	252	26¼	667	11¾	284	164	74	164	74	187	85	187	85
6	43½	1105	30¾	765	16	406	8½	216	44¾	1137	33½	851	23¾	589	13¾	332	34¼	870	15	381	276	125	298	135	317	144	339	154
8	49¾	1264	37¾	959	19½	506	9½	246	54¾	1375	40¾	1019	27¾	697	15½	399	36¾	937	17¾	437	441	200	483	219	516	234	558	253
10	57¾	1467	45¾	1162	23½	605	11¾	285	66	1676	49½	1257	32½	826	17¾	440	44½	1124	20	508	723	328	783	355	893	405	950	431



957NBFG, 957ZBFG

SIZE	DIMENSIONS										WEIGHT	
	G		H		I		J		M		P	
in.	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
2½	32½	826	23	584	15½	394	9½	241	19¾	502	11½	300
3	34	864	24	610	16½	414	10½	256	21¼	540	12½	308
4	35¾	905	25½	648	17¾	437	10½	279	23½	597	12¾	321
6	46½	1181	35¼	895	20½	521	13½	343	27¼	692	15	382

Capacity

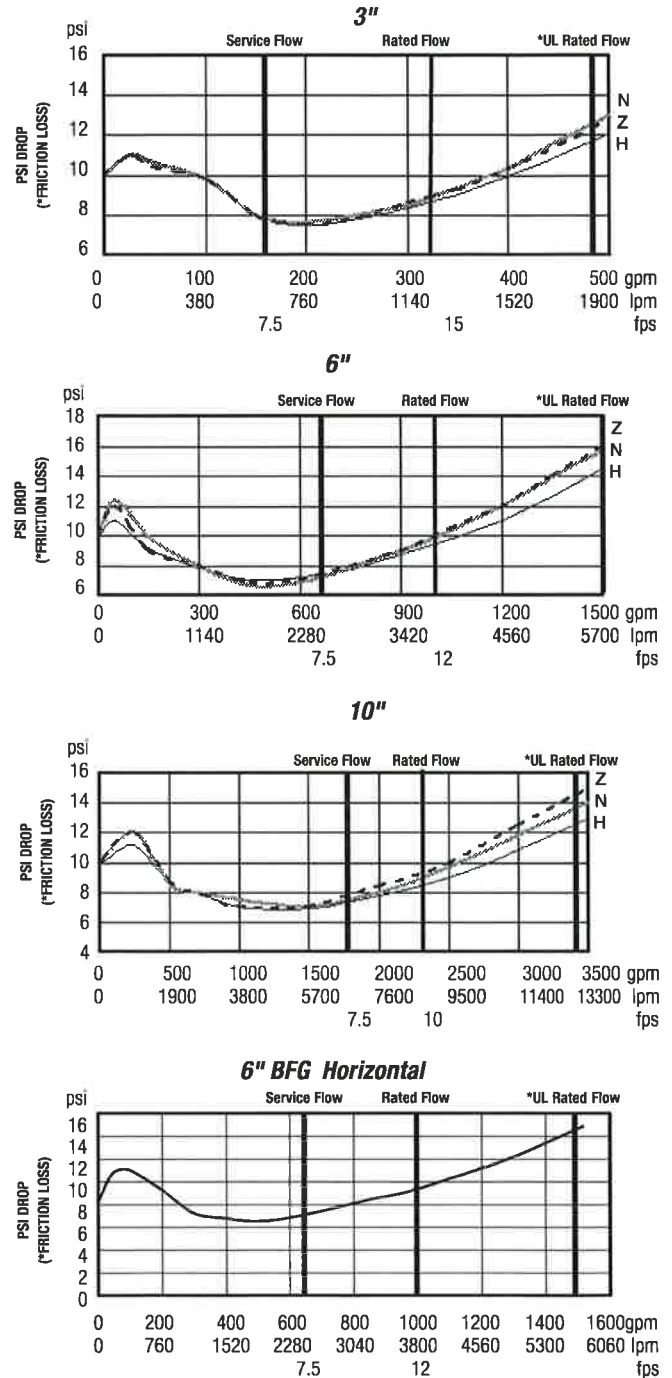
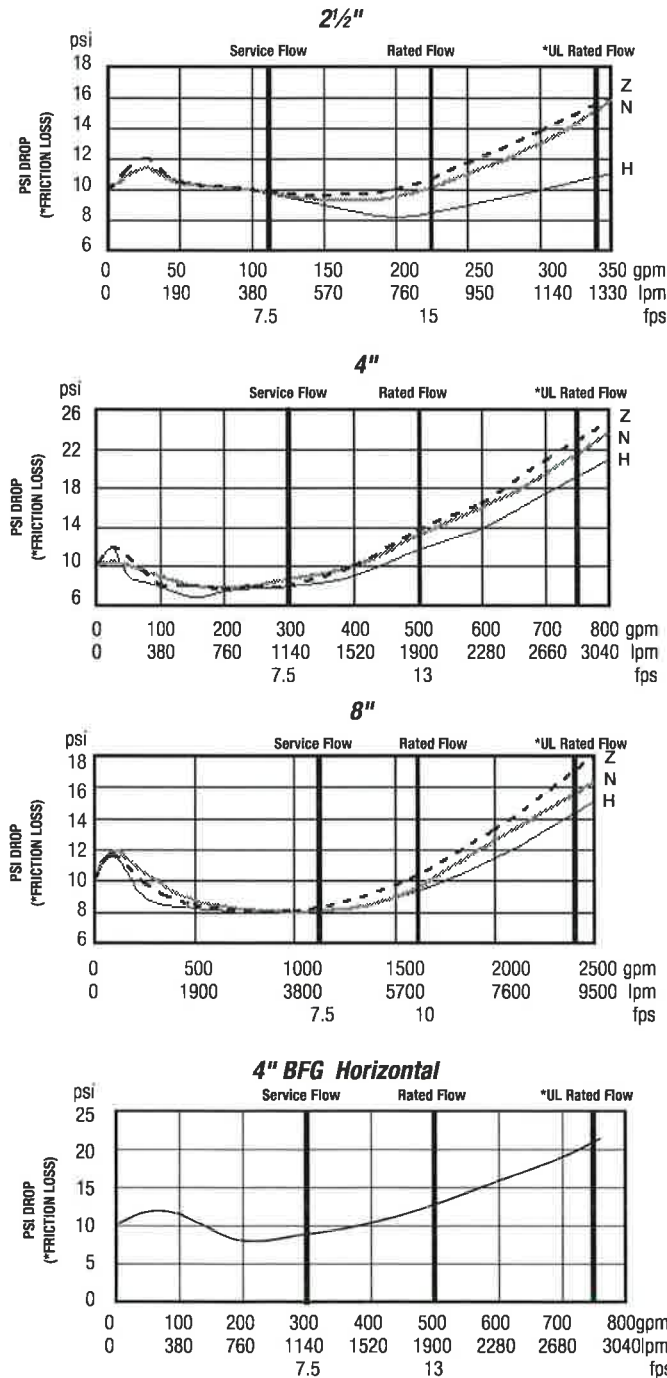
Flow curves as tested by Underwriters Laboratories.

Flow capacity chart identifies valve performance based upon rated water velocity up to 25 fps.

- Service Flow is typically determined by a rated velocity of 7.5 fps based upon schedule 40 pipe.
- Rated Flow identifies maximum continuous duty performance determined by AWWA.

- UL Flow Rate is 150% of Rated Flow and is not recommended for continuous duty.
 - AWWA Manual M22 (Appendix C) recommends that the maximum water velocity in services be not more than 10 fps.
- Flow characteristics collected using butterfly shutoff valves.

— Horizontal — N-pattern - - - - Z-pattern



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Canada: T: (888) 208-8927 • Watts.ca
Latin America: T: (52) 55-4122-0138 • Watts.com

Engineering Specification

Job Name HS Bathhouses
 Job Location HS
 Engineer IMEG
 Approval _____

Contractor Comfort Systems USA
 Approval _____
 Contractor's P.O. No. _____
 Representative Sanders Supply

LEAD FREE*

Series 77F-DI-125, 77F-DI-FDA-125

Flanged, Wye Pattern, Cast Iron Strainers

2" – 12"

Series 77F-DI-125, 77F-DI-FDA-125 Flanged, Wye Pattern, Cast Iron Strainers feature 304 stainless steel perforated screens, a cast iron flanged retainer cap and a drain/blowoff connection furnished with a closure plug. Series 77F-DI-FDA-125 also features a double coated, heat fused epoxy coating on the interior and exterior for NSF/ANSI/CAN 61 approved sanitary applications.

Features

- Flanges conform to American National Standards Institute, Class 125 (ANSI B16.1) and WW-S-2739 Type 2
- Lead Free* cast iron body
- 304 Stainless steel perforated screens
- Cast iron flanged retainer cap with gasket tapped for closure plug
- Drain/Blowoff connection furnished with closure plug
- Series 77F-DI-FDA-125 comes with heat fused NSF/ANSI/CAN 61 approved epoxy coating (interior and exterior)

Models

77F-DI-125 — 2" – 12" with flanged connections for water and steam service

77F-DI-FDA-125 — 2" – 12" with flanged connections and double coated, heat fused NSF/ANSI/CAN 61 approved epoxy coating (interior and exterior) for water service only

Specification (77F-DI-125)

A flanged, wye pattern, cast iron strainer to be installed as indicated on the plans. The strainer must have flanges that conform to American National Standards Institute, Class 125, 304 stainless steel perforated screens and a drain/blowoff connection furnished with a closure plug. Pressure rating no less than 200psi (13.8 bar) WOG non-shock and 125psi (8.6 bar) WSP. Strainer shall be a Watts Series 77F-DI-125.

*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.



77F-DI-FDA-125

Pressure – Temperature

Maximum Operating Pressure:
 200psi (13.8 bar) WOG, non-shock, @ 210°F (99°C)
 125psi (8.6 bar) WSP @ 353°F (178°C)

Standard Screens

2" – 5": 1/16" perforation
 6" – 8": 1/8" perforation
 10" – 12": 3/16" perforation

Screen Options

Wire Mesh Liners: 304 stainless steel (#20, #40, #60, #80, #100)
 Perforated Screens: 304 stainless steel (3/64", 1/16", 1/8", 3/16")

Specification (77F-DI-FDA-125)

A flanged, wye pattern, cast iron strainer with a double coated, heat fused, NSF/ANSI/CAN 61 approved epoxy coating on the interior and exterior surfaces for NSF/ANSI/CAN 61 sanitary applications. Flanges to conform to ANSI B16.1 Class 125, 304 stainless steel perforated screens, and a drain/blowoff connection furnished with a closure plug. Pressure rating 200psi (13.8 bar) WOG. Strainer shall be a Watts Series 77F-DI-FDA-125.

NOTICE

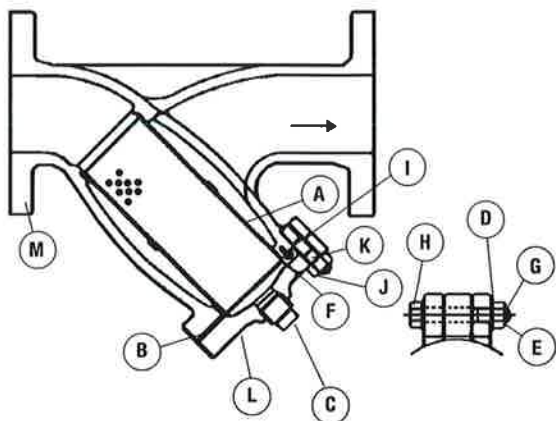
The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

Inquire with governing authorities for local installation requirements.

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

WATTS®

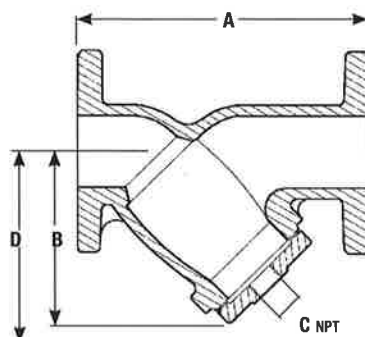
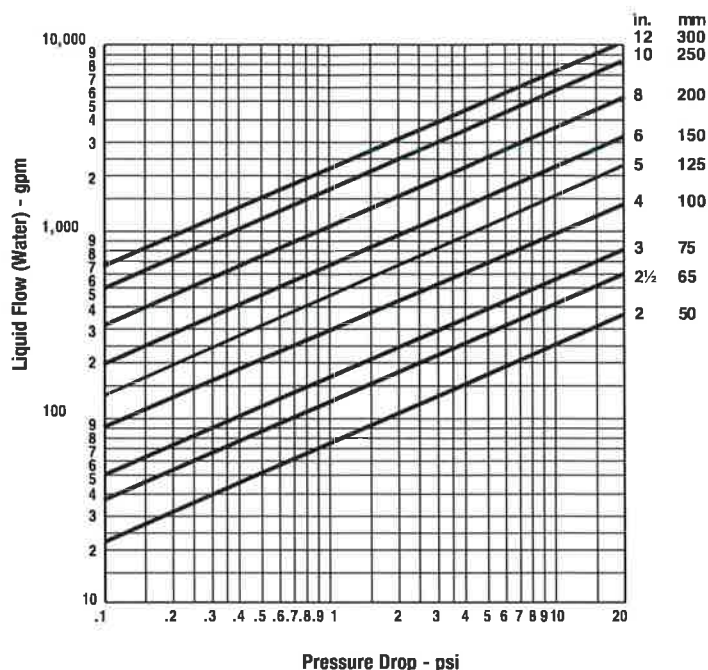
Materials



- | | | |
|----|----------------|---------------------|
| A. | Screen | AISI 304SS |
| B. | Cover Gasket | Graphite |
| C. | Plug | *ASTM A47 |
| D. | Washer | ASTM A6 |
| E. | Cotter Pin | ASTM A112 |
| F. | Plate | *ASTM A6 |
| G. | Bolt Nut | ASTM A6 |
| H. | Bolt | ASTM A6 |
| I. | Set Screw | ASTM B16 |
| J. | Cover Bolt Nut | ASTM A6 |
| K. | Cover Bolt | ASTM A6 |
| L. | Cover | *ASTM A-126 Class B |
| M. | Body | *ASTM A-126 Class B |

Note: * 77F-DI-FDA-125 component parts epoxy coated internally and externally.

Flow/Pressure Drop Chart



Standards

Tested and Certified by NSF International



Dimensions – Weights

Call customer service if you need assistance with technical details.

SIZE			DIMENSIONS						WEIGHT		
	A		B		C(NPT)		D*		Screen Area		
in.	in.	mm	in.	mm	in.	mm	in.	mm	sq.in.	lbs.	kgs.
2	7½	200	5¼	133	½	13	7	178	36	18	8
2½	10	254	6½	165	1	25	9¼	248	56	28	13
3	10½	257	7	178	1	25	10	254	75	34	15
4	12½	308	8¼	210	1½	38	12	305	121	60	27
5	15½	397	11¼	286	2	51	17	432	210	95	43
6	18½	470	13½	343	2	51	20	508	278	133	60
8	21½	551	15½	394	2	51	22¾	578	387	247	112
10	26	660	18½	470	2	51	28	711	577	370	168
12	29½	759	21¾	552	2	51	30	762	795	579	262

* D dimension is minimum clearance for screen removal.



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Engineering Specification

Job Name **HS Bathhouses**
 Job Location **HS**
 Engineer **IMEG**
 Approval _____

Contractor **Comfort Systems USA**
 Approval _____
 Contractor's P.O. No. _____
 Representative **Sanders Supply**

Air Gaps, Elbows, and Test Cocks

For Reduced Pressure Zone Assemblies

Air Gaps

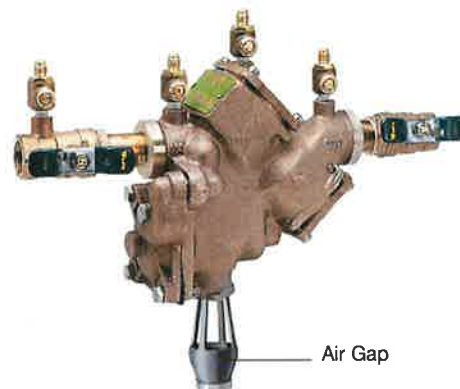
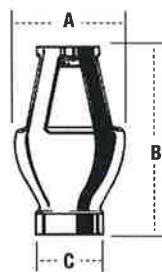
An air gap provides the unobstructed, physical separation between the discharge end of a potable water supply line and an open receiving vessel.

The installation of an air gap and drain line are recommended.

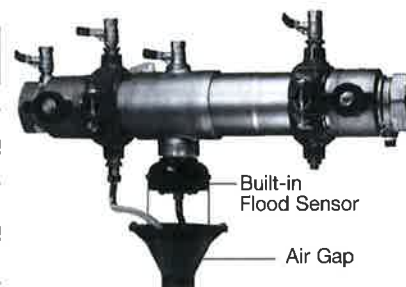
If using an air gap on an assembly equipped with a flood sensor, order the air gap listed for that specific flood sensor assembly model.

Approvals

ANSI/ASME A112.1.2



909 QT/LF909 QT



957 QT

ORDERING		DIMENSIONS									
MODEL	CODE	SIZE/SERIES	FLOOD SENSOR MODEL/SIZE	A		B		C (NPT)		WEIGHT	
				in.	mm	in.	mm	in.	mm	lb	kg
909AGA	0881399	1/2" – 1/2" 009/LF009 3/4" 009/LF009M2/M3 1/2" – 1" 995	009/LF009 1/2" 009/LF009M2/M3 3/4" LF919 1/2" – 1"	2 3/4	60	3 1/2	79	1/2	13	0.63	0.28
909AGC	0881376	3/4" – 1" 009/LF009, 909/ LF909 1" – 1 1/2" 009/LF009M2 1 1/4" – 2" 995	009/LF009, 909/LF909 3/4" – 1" 009/LF009M2 1" – 1 1/2" LF919 1 1/4" – 2"	3 1/4	83	4 7/8	124	1	25	1.50	0.68
909AGC-B	0881377	3/4" – 1" 909 1" – 1 1/2" 009M2 1 1/2" – 2" 995	—	3 1/4	88	3 3/4	95	1	25	1.90	0.86
909AGF	0881378	1 1/4" – 3" 009/LF009, 909/ LF909 1 1/4" – 2" 009/LF009M1 2" 009/LF009M2	009/LF009, 909/LF909 1 1/4" – 3" 009/LF009M1 1 1/4" – 2" 009/LF009M2 2"	4 3/8	111	6 3/4	171	2	51	3.25	1.47
909AGK	0881385	4" – 6" 909/LF909 4" – 10" 909RPDA 8" – 10" 909/LF909M1	909/LF909 4" – 6" 909RPDA 4" – 10" 909/LF909M1 8" – 10"	6 3/8	162	9 3/8	244	3	76	6.25	2.83
909AGM	0881387	8" – 10" 909/LF909	—	7 7/8	187	11 1/4	286	4	102	15.50	7.03
919AGC	0881576	3/4" – 1" 919/LF919	—	2 3/8	60	3 1/8	79	1/2	13	0.63	0.28
919AGF	0881577	1 1/4" – 2" 919/LF919	—	4 3/8	111	8 1/2	216	2	51	3.5	1.6
957-AG	0111764	2 1/2" – 10" 957	957 2 1/2" – 10" 994 2 1/2" – 10"	7 1/2	190	12	304	2	51	1.50	0.68

Splash Guard

994AGK-P	0881397	2 1/2" - 10" 994	—	8	203	11 1/4	286	2	51	1.50	0.68
995-AG	0439190	3" - 6" 995	—	5	127	8	203	2	51	—	—
957-AG SG	0111815	2 1/2" - 10" 957	—	4 3/4	119	2 1/2	62	—	—	0.4	0.18

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Quality People. Building Solutions.

Comfort Systems USA (Arkansas), Inc.

P.O. Box 16620

LittleRock, AR 72231

Phone 501-834-3320

Fax 501-834-5416

Spec Section 221030, 2.7

Strainers (See BFP-1 Submittal)



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Scheduled on Plan Page P0.0

Hose Bibb (HB-1)

HB-1

The Model V26 is an anti-siphon, vacuum breaker protected wall faucet designed for irrigation purposes in mild climate areas. The Model V26 is designed to be mounted directly to a wall or column with a top mount inlet. Designed to blend with modern architecture for installation on or in service stations, custodial services, churches, motels, restaurants, etc.

Anti-Siphon Wall Faucets Model V26



SPECIFICATIONS:

VACUUM BREAKER - ANTI-SIPHON:

- NIDEL® Model 50HF with ¾ inch male hose thread
- ASSE Standard 1052 approved 
- IAPMO® listed

EPDM PACKING: Prevents leaking.

PACKING NUT: Adjustable brass nut with deep stem guard.

VALVE SEAT: Standard "O" size washer.

HANDLES: Furnished with a polycarbonate handle and loose tee key. Or add -MH for Metal Handle no tee key.

INLET: ½ FPT.

MAX PRESSURE: 125 p.s.i.

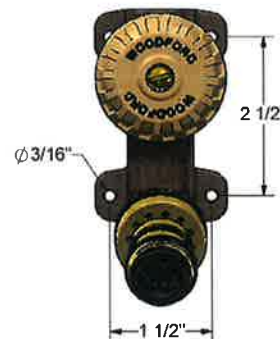
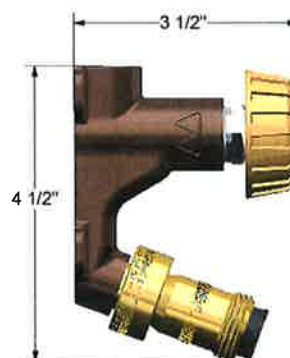
MAX TEMPERATURE: 120° F

SHIPPING WEIGHT: (per unit): 1.4 lb

EXTERIOR FINISH: Chrome (CH) or Rough Brass (BR)



Chrome (CH)
Inlet Description
Top Inlet 1/2" FPT
Rough-In Dimensions



MODEL V26 PARTS LIST		
ITEM	PART#	DESCRIPTION
1	30009	Washer Screw
2	30008	Washer
3	30104	Operating Stem
4	30105	Packing Support Washer
5	30247	EPDM Packing
6	30109	Packing Nut - Chrome
	30107	Packing Nut - Brass
7	30120	Wheel Handle - Clear
	30233	Wheel Handle - Tan
8	30121	Handle Screw - Nickel
	30002	Handle Screw - Brass
9	50HF-CH	50HF Vacuum Breaker - Chrome
	50HF-BR	50HF Vacuum Breaker - Brass
	50009	Tee Key
-MH	30106	Metal Handle Chrome Option
	30239	Metal Handle Brass Option



For Installation / Troubleshooting Instructions go to
<https://www.woodfordmfg.com>
 Patent Information is available at:
<https://www.Woodfordmfg.com/patents/>
 or call 1-800-621-6032

For more information contact...

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