

G	 SMITH JAY R. SMITH MFG. CO. DIVISION OF SMITH INDUSTRIES, INC. POST OFFICE BOX 3237 MONTGOMERY, ALABAMA 36109-0237 (USA) TEL: 334-277-8520 FAX: 334-272-7396 www.jrsmith.com MEMBER OF: INSTITUTE MEMBER					LOCATION																											
	OPTIONAL STRAINER HEADS																																
	DRAWING NUMBER PM0457 SH 1 of 2																																
	SIZE A																																
SCALE NONE																																	
DATE: 5-17-85																																	
APPROVED BY: TD																																	
CHECKED BY: TD																																	
DRAWN BY: PJ																																	
FIGURE NUMBER																																	
DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE																																	
ASSUME NO RESPONSIBILITY OR USE OF SUPERSEDED OR VOID DATA																																	
ROUND STRAINER																																	
MATERIALS: Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB VARIATIONS: *Hinged Grate (Specify Suffix -AH) Sediment Bucket -B Vandal Proof Screws -U <table border="1" style="width: 100%; font-size: 0.7em;"> <tr> <th>B DIA</th> <th>05 (125)</th> <th>06 (150)</th> <th>07 (180)</th> <th>08 (205)</th> <th>09 (230)</th> <th>10 (255)</th> </tr> <tr> <td>H</td> <td>2 (51)</td> <td>2 (51)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> <td>2 1/2 (64)</td> <td>2 3/4 (70)</td> </tr> <tr> <td>X MIN</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/2 (38)</td> <td>1 1/2 (38)</td> <td>1 1/2 (38)</td> </tr> <tr> <td>X MAX</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> <td>2 1/2 (64)</td> <td>2 3/4 (70)</td> </tr> </table> Specify Type, Size & Finish eg: A05NB *Not available for 05" (125) size						B DIA	05 (125)	06 (150)	07 (180)	08 (205)	09 (230)	10 (255)	H	2 (51)	2 (51)	2 1/4 (57)	2 1/2 (64)	2 1/2 (64)	2 3/4 (70)	X MIN	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	1 1/2 (38)	1 1/2 (38)	X MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	2 1/2 (64)	2 3/4 (70)
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FLAPPER TYPE BACKWATER VALVE																																	
FUNCTION: Provides backwater protection at point where protection is needed. MATERIALS: Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB VARIATIONS: *Hinged Grate (Specify Suffix -AH) Vandal Proof Screws -U <table border="1" style="width: 100%; font-size: 0.7em;"> <tr> <th>B DIA</th> <th>05 (125)</th> <th>06 (150)</th> <th>07 (180)</th> <th>08 (205)</th> </tr> <tr> <td>H</td> <td>2 (51)</td> <td>2 (51)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> </tr> <tr> <td>X MIN</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/2 (38)</td> </tr> <tr> <td>X MAX</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> </tr> </table> Specify Type, Size & Finish eg: AV05NB *Not available for 05" (125) size						B DIA	05 (125)	06 (150)	07 (180)	08 (205)	H	2 (51)	2 (51)	2 1/4 (57)	2 1/2 (64)	X MIN	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	X MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)								
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SQUARE STRAINER																																	
MATERIALS: Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB VARIATIONS: Flapper Type Backwater Valve (Specify Suffix -BV) 05 (125), 06 (150), 07 (180) or 08" (205) sizes only *Hinged Grate (Specify Suffix -BH) Sediment Bucket -B Vandal Proof Screws -U <table border="1" style="width: 100%; font-size: 0.7em;"> <tr> <th>B DIA</th> <th>05 (125)</th> <th>06 (150)</th> <th>07 (180)</th> <th>08 (205)</th> <th>09 (230)</th> <th>10 (255)</th> </tr> <tr> <td>H</td> <td>2 (51)</td> <td>2 (51)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> </tr> <tr> <td>X MIN</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/2 (38)</td> <td>1 1/2 (38)</td> <td>1 1/2 (38)</td> </tr> <tr> <td>X MAX</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> <td>2 1/4 (57)</td> <td>2 3/8 (60)</td> </tr> </table> Specify Type, Size & Finish eg: B05NB *Not available for 05" (125) size						B DIA	05 (125)	06 (150)	07 (180)	08 (205)	09 (230)	10 (255)	H	2 (51)	2 (51)	2 1/4 (57)	2 1/2 (64)	2 1/4 (57)	2 1/4 (57)	X MIN	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	1 1/2 (38)	1 1/2 (38)	X MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	2 1/4 (57)	2 3/8 (60)
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STRAINER HEAD w/SQUARE HINGED COVER																																	
MATERIALS: Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB VARIATIONS: Gasketed Water Tight Cover -GC Secured Cover -SC Secondary Strainer Grate-SG Specify Type, Size & Finish eg: BSNB																																	
REINFORCED ROUND STRAINER																																	
FUNCTION: Used in finished floors where light wheeled loads are anticipated. MATERIALS: Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB VARIATIONS: Flapper Type Backwater Valve (Specify Suffix -CV) Sediment Bucket -B Vandal Proof Screws -U <table border="1" style="width: 100%; font-size: 0.7em;"> <tr> <th>B DIA</th> <th>05 (125)</th> <th>06 (150)</th> <th>08 (205)</th> <th>10 (255)</th> </tr> <tr> <td>H</td> <td>2 (51)</td> <td>2 (51)</td> <td>2 1/2 (64)</td> <td>2 3/4 (70)</td> </tr> <tr> <td>MIN</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/2 (38)</td> <td>1 7/8 (48)</td> </tr> <tr> <td>MAX</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> <td>2 3/4 (70)</td> </tr> </table> Specify Type, Size & Finish eg: C06NB						B DIA	05 (125)	06 (150)	08 (205)	10 (255)	H	2 (51)	2 (51)	2 1/2 (64)	2 3/4 (70)	MIN	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	1 7/8 (48)	MAX	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	2 3/4 (70)								
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MAX	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	2 3/4 (70)																													
REINFORCED TRACTOR STRAINER																																	
FUNCTION: Used in finished floors where medium weight wheeled loads are anticipated and loose set non-tilt tractor grate is desired. MATERIALS: Cast Iron -CI Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB VARIATIONS: Flapper Type Backwater Valve (Specify Suffix -DV or -EV) Sediment Bucket -B Vandal Proof Screws -U <table border="1" style="width: 100%; font-size: 0.7em;"> <tr> <th>SUFFIX</th> <th>B DIA</th> <th>H</th> <th colspan="2">X</th> </tr> <tr> <td></td> <td></td> <td></td> <td>MIN</td> <td>MAX</td> </tr> <tr> <td>-D</td> <td>07 (180)</td> <td>3 1/4 (83)</td> <td>2 5/8 (67)</td> <td>3 1/2 (89)</td> </tr> <tr> <td>-E</td> <td>09 (230)</td> <td>3 1/2 (89)</td> <td>2 3/4 (70)</td> <td>3 1/2 (89)</td> </tr> </table> Specify Type, Size & Finish eg: D09PB E09PB						SUFFIX	B DIA	H	X					MIN	MAX	-D	07 (180)	3 1/4 (83)	2 5/8 (67)	3 1/2 (89)	-E	09 (230)	3 1/2 (89)	2 3/4 (70)	3 1/2 (89)								
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TILE FLANGE																																	
FUNCTION: Provides integral flange set 5/32" (4) below rim to receive floor covering. Flange may have option of tapped holes for securing pan and gasket. MATERIALS: Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB VARIATIONS: Flapper Type Backwater Valve (Specify Suffix -FV) Holes in Flange -SH Sediment Bucket -B Vandal Proof Screws -U <table border="1" style="width: 100%; font-size: 0.7em;"> <tr> <th colspan="2">X</th> </tr> <tr> <th>MIN</th> <th>MAX</th> </tr> <tr> <td>1 1/4 (32)</td> <td>2 1/8 (54)</td> </tr> </table> Specify Type, Size & Finish eg: F06NB						X		MIN	MAX	1 1/4 (32)	2 1/8 (54)																						
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MIN	MAX																																
1 1/4 (32)	2 1/8 (54)																																
ADJUSTABLE STRAINER HEAD																																	
FUNCTION: Used in a non-traffic area when a funnel type strainer head is required and space does not allow use of the 3500 series funnel. The extended rim allows use as an anti-flood and anti-splash drip pan. VARIATIONS: Flapper Type Backwater Valve (Specify Suffix -F37V or F38V) MATERIALS: Cast Iron -CI Chrome Plated -CP Galvanized Cast Iron -G Polished Bronze -PB Nickel Bronze -NB <table border="1" style="width: 100%; font-size: 0.7em;"> <tr> <th>SUFFIX</th> <th>-F37</th> <th>-F38</th> </tr> <tr> <td>B DIA</td> <td>07 (180)</td> <td>09 (230)</td> </tr> <tr> <td>H</td> <td>3 1/4 (83)</td> <td>3 1/2 (89)</td> </tr> <tr> <td>X MIN</td> <td>2 5/8 (67)</td> <td>2 3/4 (70)</td> </tr> <tr> <td>X MAX</td> <td>3 1/2 (89)</td> <td>3 1/2 (89)</td> </tr> </table> Specify Type, Size & Finish eg: F37NB F38CP						SUFFIX	-F37	-F38	B DIA	07 (180)	09 (230)	H	3 1/4 (83)	3 1/2 (89)	X MIN	2 5/8 (67)	2 3/4 (70)	X MAX	3 1/2 (89)	3 1/2 (89)													
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NOTE: Dimensions shown in parenthesis are in millimeters.

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	LOW DOME STRAINER FUNCTION: Used in gutters and recessed areas where excessive debris build-up is expected. Dome insures drainage even when partly covered. MATERIALS: Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB VARIATIONS: Flapper Type Backwater Valve (Specify Suffix -GV) Sediment Bucket -B Vandal Proof Screws -U <table border="1" style="width: 100%; font-size: 8px;"> <tr> <th>B DIA</th> <th>05 (125)</th> <th>06 (150)</th> <th>08 (205)</th> </tr> <tr> <td>H</td> <td>2 (51)</td> <td>2 (51)</td> <td>2 1/2 (64)</td> </tr> <tr> <td>MIN</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/2 (38)</td> </tr> <tr> <td>MAX</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> </tr> </table> SUFFIX -G Specify Type, Size & Finish eg: G08PB	B DIA	05 (125)	06 (150)	08 (205)	H	2 (51)	2 (51)	2 1/2 (64)	MIN	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	MAX	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	SOLID HINGED COVER FUNCTION: Used in areas where intermittent drain use is required. Solid cover prevents intrusion of chips, saw-dust, etc., which are swept up before cover is opened for washdown. The secondary strainer prevents debris from entering the waste line. MATERIALS: Cast Iron -CI Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB VARIATIONS: Flapper Type Backwater Valve (Specify Suffix -GV) Vandal Proof Screws -U <table border="1" style="width: 100%; font-size: 8px;"> <tr> <th>B DIA</th> <th>05 (125)</th> <th>06 (150)</th> <th>07 (180)</th> <th>08 (205)</th> </tr> <tr> <td>H</td> <td>2 (51)</td> <td>2 (51)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> </tr> <tr> <td>X MIN</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/2 (38)</td> </tr> <tr> <td>X MAX</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> </tr> </table> SUFFIX -H Specify Type, Size & Finish eg: H05CP	B DIA	05 (125)	06 (150)	07 (180)	08 (205)	H	2 (51)	2 (51)	2 1/4 (57)	2 1/2 (64)	X MIN	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	X MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	SPANNER WRENCH COVER FUNCTION: Solid gas tight, vandal proof, threaded cover for areas where intermittent drain use is required. MATERIALS: Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB VARIATIONS: Flapper Type Backwater Valve (Specify Suffix -JV) Holes in Flange -SH Sediment Bucket -B Vandal Proof Screws -U <table border="1" style="width: 100%; font-size: 8px;"> <tr> <th colspan="2">X</th> </tr> <tr> <td>MIN</td> <td>MAX</td> </tr> <tr> <td>2 (51)</td> <td>3 (76)</td> </tr> </table> SUFFIX -J Specify Type, Size & Finish eg: J06NB	X		MIN	MAX	2 (51)	3 (76)																																				
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REINFORCED SQUARE STRAINER FUNCTION: Used in finished floors where some light wheeled traffic is anticipated. MATERIALS: Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB VARIATIONS: Flapper Type Backwater Valve (Specify Suffix -KV) Sediment Bucket -B Vandal Proof Screws -U <table border="1" style="width: 100%; font-size: 8px;"> <tr> <th>B SQ</th> <th>05 (125)</th> <th>06 (150)</th> <th>07 (180)</th> <th>08 (205)</th> </tr> <tr> <td>H</td> <td>2 (51)</td> <td>2 (51)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> </tr> <tr> <td>X MIN</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/2 (38)</td> </tr> <tr> <td>X MAX</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> </tr> </table> SUFFIX -K Specify Type, Size & Finish eg: K07CP	B SQ	05 (125)	06 (150)	07 (180)	08 (205)	H	2 (51)	2 (51)	2 1/4 (57)	2 1/2 (64)	X MIN	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	X MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	RECTANGULAR STRAINER FUNCTION: Used in finished floors where light wheeled loads and or heavy foot traffic are anticipated. MATERIALS: Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB VARIATIONS: Sediment Bucket -B Vandal Proof Screws -U <table border="1" style="width: 100%; font-size: 8px;"> <tr> <th>SUFFIX</th> <th>L</th> <th>M</th> <th>N</th> <th>P</th> <th>R</th> <th>T</th> </tr> <tr> <td>B x B'</td> <td>1/2(115)x3(205)</td> <td>1/2(100)x12(305)</td> <td>5(125)x9(230)</td> <td>5(125)x13(330)</td> <td>6(150)x10(255)</td> <td>5(125)x17(430)</td> </tr> <tr> <td>H</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> <td>2 1/4 (57)</td> <td>3 (76)</td> <td>2 1/4 (57)</td> <td>3 (76)</td> </tr> <tr> <td>X MIN</td> <td>1 3/8 (35)</td> <td>1 7/8 (49)</td> <td>1 3/8 (35)</td> <td>2 1/8 (54)</td> <td>1 3/8 (35)</td> <td>2 1/4 (57)</td> </tr> <tr> <td>X MAX</td> <td>2 3/8 (60)</td> <td>2 3/4 (70)</td> <td>2 3/8 (60)</td> <td>3 (76)</td> <td>2 3/8 (60)</td> <td>3 1/8 (79)</td> </tr> </table> SUFFIX -L-M-N-P-R-T Specify Type, Size & Finish eg: LNB	SUFFIX	L	M	N	P	R	T	B x B'	1/2(115)x3(205)	1/2(100)x12(305)	5(125)x9(230)	5(125)x13(330)	6(150)x10(255)	5(125)x17(430)	H	2 1/4 (57)	2 1/2 (64)	2 1/4 (57)	3 (76)	2 1/4 (57)	3 (76)	X MIN	1 3/8 (35)	1 7/8 (49)	1 3/8 (35)	2 1/8 (54)	1 3/8 (35)	2 1/4 (57)	X MAX	2 3/8 (60)	2 3/4 (70)	2 3/8 (60)	3 (76)	2 3/8 (60)	3 1/8 (79)	ANGLE STRAINER FUNCTION: Shower room drain set at wall and floor junction. Vertical grate openings prevent drain stoppage should flat surface become covered. MATERIALS: Cast Iron -CI Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB VARIATIONS: Vandal Proof Screws -U <table border="1" style="width: 100%; font-size: 8px;"> <tr> <th>SUFFIX</th> <th>B</th> <th>C</th> <th>D</th> <th colspan="2">X</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>MIN</td> <td>MAX</td> </tr> <tr> <td>-V</td> <td>3 1/2 (89)</td> <td>3 1/2 (89)</td> <td>4 1/2 (115)</td> <td>1 5/8 (41)</td> <td>2 5/8 (67)</td> </tr> <tr> <td>-W</td> <td>6 3/4 (170)</td> <td>6 3/4 (170)</td> <td>6 1/2 (165)</td> <td>1 5/8 (41)</td> <td>2 5/8 (67)</td> </tr> </table> SUFFIX -V-W Specify Type, Size & Finish eg: VPB, WNB	SUFFIX	B	C	D	X						MIN	MAX	-V	3 1/2 (89)	3 1/2 (89)	4 1/2 (115)	1 5/8 (41)	2 5/8 (67)	-W	6 3/4 (170)	6 3/4 (170)	6 1/2 (165)	1 5/8 (41)	2 5/8 (67)
B SQ	05 (125)	06 (150)	07 (180)	08 (205)																																																																													
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X MIN	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)																																																																													
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SUFFIX	L	M	N	P	R	T																																																																											
B x B'	1/2(115)x3(205)	1/2(100)x12(305)	5(125)x9(230)	5(125)x13(330)	6(150)x10(255)	5(125)x17(430)																																																																											
H	2 1/4 (57)	2 1/2 (64)	2 1/4 (57)	3 (76)	2 1/4 (57)	3 (76)																																																																											
X MIN	1 3/8 (35)	1 7/8 (49)	1 3/8 (35)	2 1/8 (54)	1 3/8 (35)	2 1/4 (57)																																																																											
X MAX	2 3/8 (60)	2 3/4 (70)	2 3/8 (60)	3 (76)	2 3/8 (60)	3 1/8 (79)																																																																											
SUFFIX	B	C	D	X																																																																													
				MIN	MAX																																																																												
-V	3 1/2 (89)	3 1/2 (89)	4 1/2 (115)	1 5/8 (41)	2 5/8 (67)																																																																												
-W	6 3/4 (170)	6 3/4 (170)	6 1/2 (165)	1 5/8 (41)	2 5/8 (67)																																																																												
EXTENSION ADAPTOR FUNCTION: Used when a strainer head must be raised to accommodate deeper floor fill. REGULARLY FURNISHED: Ducto Cast Iron -CI MATERIALS: Cast Bronze -CB Galvanized Cast Iron -G NOTE: Extension can be stacked for increased maximum adjustment. SUFFIX -X	OVERFLOW WITH STANDPIPE FUNCTION: Used as overflow drain in decorative pools, fish ponds or similar areas. Dome prevents floating objects from entering drain line. MATERIALS: Chrome Plated -CP Nickel Bronze -NB Polished Bronze -PB VARIATIONS: Less Dome -LD Standpipe Height other than 6" (150) (Specify Height) <table border="1" style="width: 100%; font-size: 8px;"> <tr> <th>SUFFIX</th> <th>A SIZE</th> <th colspan="2">X</th> </tr> <tr> <td></td> <td></td> <td>MIN</td> <td>MAX</td> </tr> <tr> <td>-Y</td> <td>2 (51)</td> <td>3/4 (19)</td> <td>2 1/8 (54)</td> </tr> <tr> <td>-Z</td> <td>3 (76)</td> <td>3/4 (19)</td> <td>2 1/8 (54)</td> </tr> </table> SUFFIX -Y-Z Specify Type, Size & Finish eg: YCP, ZCP	SUFFIX	A SIZE	X				MIN	MAX	-Y	2 (51)	3/4 (19)	2 1/8 (54)	-Z	3 (76)	3/4 (19)	2 1/8 (54)	HEAVY DUTY ADJUSTABLE FUNCTION: Used in finished floors where light wheeled loads and or heavy foot traffic are anticipated. MATERIALS: Polished Bronze -PB Rough Bronze -RB Nickel Bronze -NB VARIATIONS: Flapper Type Backwater Valve (Specify Suffix -69V) Sediment Bucket -B Vandal Proof Screws -U SUFFIX -69 eg: A06NB-69																																																															
SUFFIX	A SIZE	X																																																																															
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-Y	2 (51)	3/4 (19)	2 1/8 (54)																																																																														
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Fig. 3580	Fig. 3581	Fig. 3590	Fig. 3591																																																																														
FIGURE NUMBER	FIGURE NUMBER 2010 SERIES OPTIONAL STRAINER HEADS 2 of 2																																																																																
REV.	DATE	DESCRIPTION	BY	CKD. BY																																																																													
H	8-24-99	Revised	TBW	BS																																																																													
G	6-11-99	Revised Tables	CMD	BS																																																																													
T	1-22-99	T Strainer was S Strainer	TBW	BS																																																																													
E	11-4-97	Added Nickel Bronze	EMB	BS																																																																													
D	10-28-96	Chg'd Func of Suffix -V -W		BS																																																																													

NOTE: Dimensions shown in parenthesis are in millimeters.