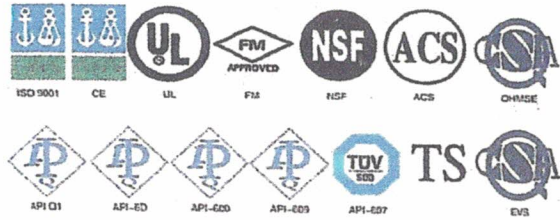
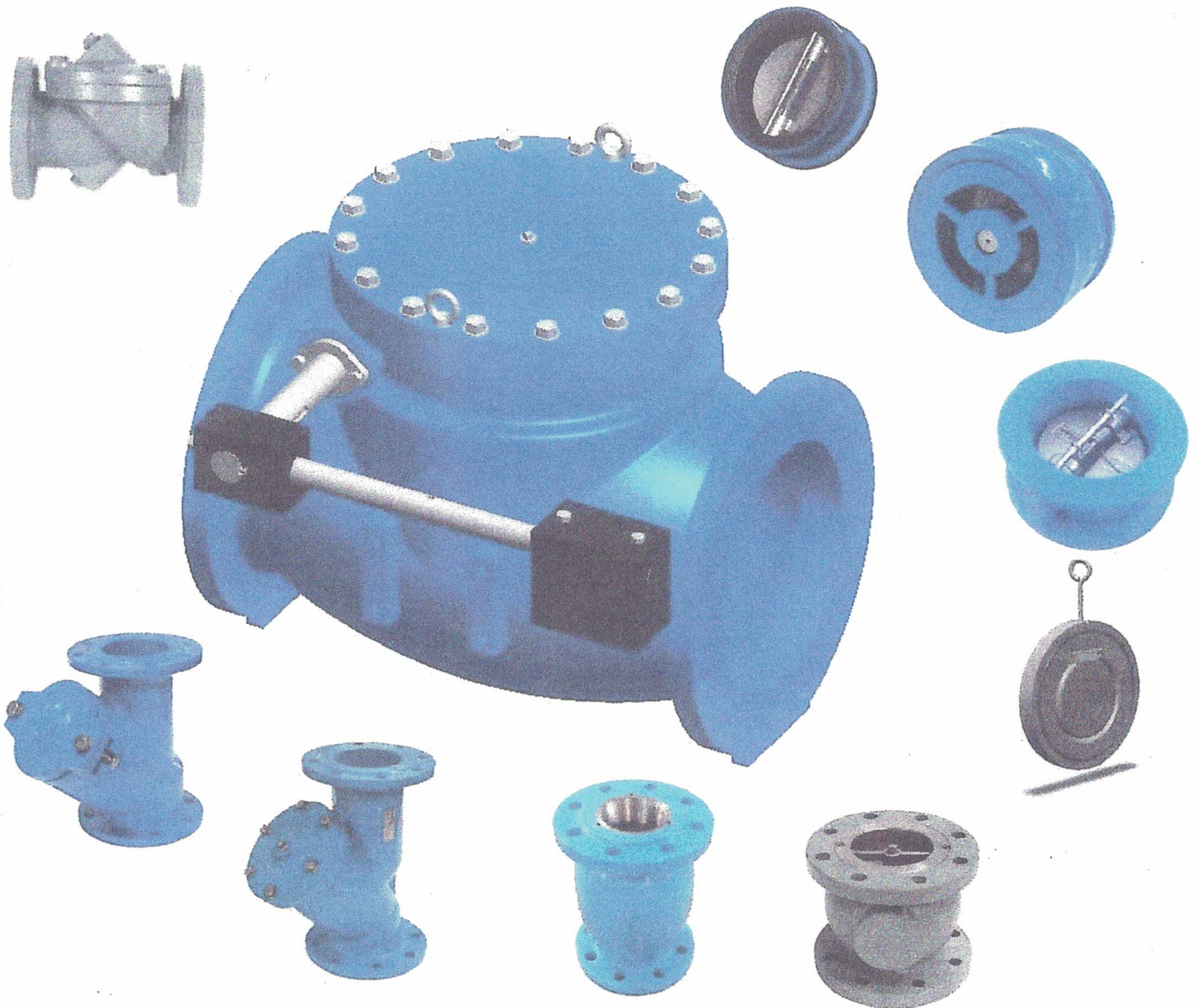




COMPANY CERTIFICATE



CHECK VALVES/ STRAINERS



Heavy Duty AWWA C508

LEVER AND WEIGHT SWING CHECK VALVES

Straight Through, Single- or Double Increasing



FIGURE 220 STRAIGHT THROUGH

SIZE (Inlet and Outlet)	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
A	12	13	17-1/2	18	23	28	33	36	40	40	48
B	7	8-1/2	9	12	14	16	22	23	24	24	28
C	5	5	6	9	9	11	13	14	18	18	20
D	10	11	12	14	15	17	20	24	28	28	34
E	5	5	7	8	9	11	14	16	18	18	21
WGT	100	150	230	310	480	970	1480	1800	1400	2800	6000

Dimensions in inches, weight in pounds. Consult factory for larger sizes.

FIGURE 221 SINGLE-INCREASING

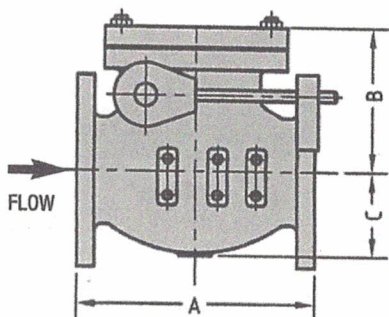
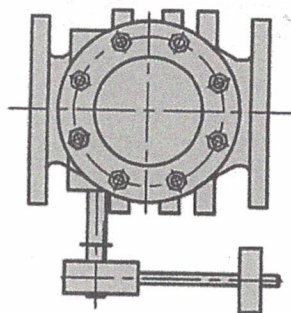
SIZE (Inlet x Outlet)	3" X 4"	4" X 6"	6" X 8"	8" X 10"	10" X 12"
A	12	13	17-1/2	18	23
B	7	8-1/2	9	12	14
C	5	5	6	9	9
D	10	11	12	14	15
E	5	5	7	8	9
WGT	120	175	250	350	525

Dimensions in inches, weight in pounds. Inlet is nominal size of valve.

FIGURE 222 DOUBLE-INCREASING

SIZE (Inlet x Outlet)	4" X 8"	6" X 10"	8" X 12"
A	13-1/2	18-7/8	22-1/4
B	8-1/2	9	12
C	5	6	9
D	11	12	14
E	5	7	8
WGT	180	270	390

Dimensions in inches, weight in pounds. Inlet is nominal size of valve.

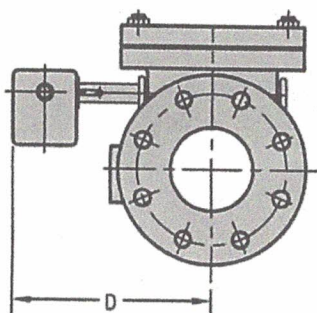


LEVER and WEIGHT FIGURE NUMBERS				
	Straight Through		Single-Increasing	Double-Increasing
Flanges per ANSI B16.1	316 Stainless Steel	Bronze	316 Stainless Steel	316 Stainless Steel
	Body Seat*	Body Seat**	Body Seat	Body Seat
Class 125	220-DS	220-D	221-DS	222-DS
Class 250	220-US	220-U	221-US	222-US

* Standard 3" to 12", ** Standard 14" to 24"

For Metal-to-Metal Seating, Suffix "M," e.g., Figure 220-DM, Figure 222-USM

For Vertical Installation, Suffix "A," e.g., Figure 220-DAM, Figure 222-UASM



NOTE:

Standard position of lever and weight is on right side facing inlet. Opposite side can be provided upon order or position can be changed in the field.

APPENDIX A

End-to-End Dimensions

This appendix is for information only and is not a part of AWWA C508.

In order to encourage and possibly standardize the end-to-end dimensions of flanged-end swing-check valves, the end-to-end dimensions are shown in Table A.1. Full waterway check valves may be made to the same end-to-end dimensions as shown for clear waterway valves.

Table A.1 Suggested end-to-end dimensions for flanged end valves

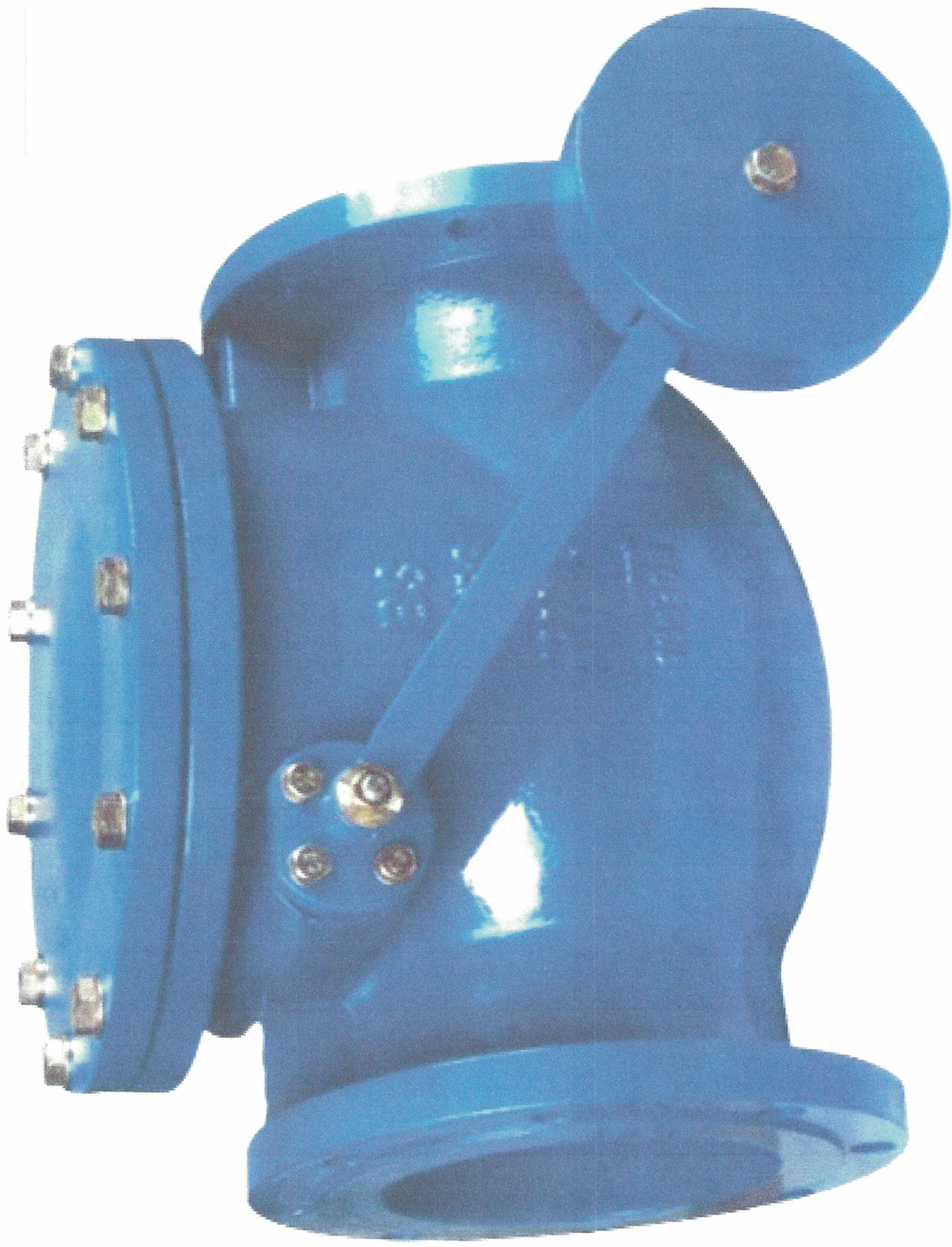
Nominal Valve Size—NPS		End-to-End Dimensions*			
		Clear Waterway		Full Waterway†	
in.	(mm)	in.	(mm)	in.	(mm)
2	(50)	8	(203)	8	(203)
2½	(65)	10	(254)	8½	(216)
3	(75)	11	(279)	9½	(241)
4	(100)	13	(330)	11½	(292)
6	(150)	16	(406)	14	(356)
8	(200)	19½	(495)	19½	(495)
10	(250)	22	(559)	24½	(622)
12	(300)	26	(660)	27½	(699)
14	(350)	30	(762)	31	(787)
16	(400)	30½	(775)	36	(914)
18	(450)	33½	(851)	40	(1,016)
20	(500)	40	(1,020)	40	(1,016)
24	(600)	46	(1,170)	48	(1,210)

* End-to-End tolerances:

2-in. (50-mm) NPS to 10-in. (250-mm) NPS: $\pm 1/16$ in. (1.58 mm)

12-in. (300-mm) NPS to 24-in. (600-mm) NPS: $\pm 1/8$ in. (3.17 mm)

† Sizes 2 in. (50 mm) through 16 in. (400 mm) comply with ANSI B16-10, "Face-to-Face and End-to-End Dimensions of Ferrous Valves."



90° Swing Check OLW

WTR Valves

Swing Check Valve With Lever & Weight / Spring

