

Marking

SIZE (INCH)

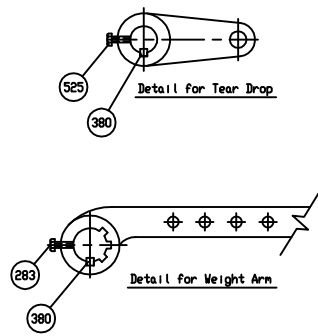
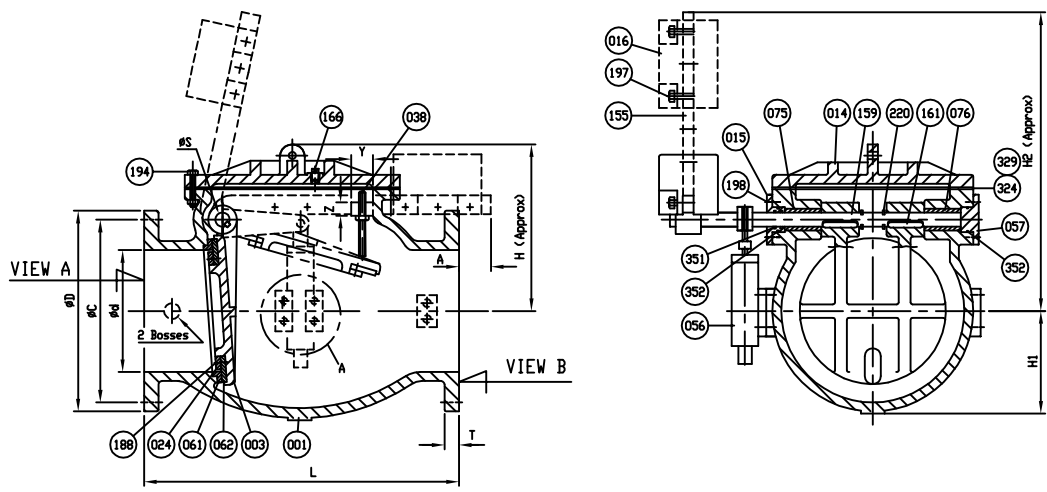
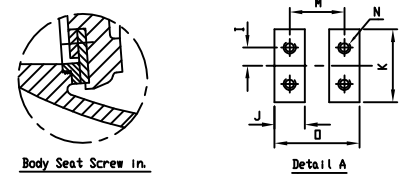
CCNE SCI

150 CWP YEAR

AWWA C508 POURING DATE

SERIES 9000

COVER BOLTS & NUTS	
TYPE	MATERIAL
STANDARD	STEEL/ZINC
S1	304 STN. STEEL
S3	316 STN. STEEL



ND.	PARTS	MATERIAL	ASTM DESIGNATION	Q' TY
525	Tear Drop Bolt	Zinc Coated Steel	A 307 Grade B	1
409	Tear Drop	Ductile Iron	A 536 Gr. 65-45-12	1
380	Key B	Stainless Steel	A 276 Type 304	2
352	O-Ring C	Rubber (Buna N)	D 2000 BK 707	2
351	O-Ring B	Rubber (Buna N)	D 2000 BK 707	2
329	Cover O-Ring	Rubber (Buna N)	D 2000 BK 807	1
324	Cover Gasket	Rubber (Buna N)	D 2000 BK 807	1
297	Air Cushion Bolt	Stainless Steel	A 276 Type 304	1
283	Arm Bolt	Zinc Coated Steel	A 307 Grade B	1
220	Snap Ring	Stainless Steel	A 276 Type 420	2
198	End Plate Bolt	Zinc Coated Steel	A 307 Grade B	1
197	Weight Bolt	Zinc Coated Steel	A 307 Grade B	2
194	Cover Bolt & Nut	See Table for Material Specs.		1
188	Disc Seat Bolt	Stainless Steel	A 276 Type 304	1
166	Plug #1'	Stainless Steel	A 276 Type 304	1
161	Key A	Stainless Steel	A 276 Type 304	2
159	Hinge Pin	Stainless Steel	A 276 Type 304	1
155	Weight Arm	Ductile Iron	A 536 Gr. 65-45-12	1
076	Bushing (B)	Bronze	B 62	1
075	Bushing (A)	Bronze	B 62	1
062	Disc Seat Ring	Rubber (Buna N)	D 2000 BK 807	1
061	Body Seat Ring	Bronze	B 62	1
057	End Plate (B)	Ductile Iron	A 536 Gr. 65-45-12	1
056	Air Cushion	Bronze	B 62	1
038	Stopper	Stainless Steel	A 276 Type 304	1
024	Seat Holder	Ductile Iron	A 536 Gr. 65-45-12	1
016	Weight	Cast Iron	A 126 Class B	1
015	End Plate (A)	Bronze	B 62	1
014	Cover	Cast Iron	A 126 Class B	1
003	Disc	Ductile Iron	A 536 Gr. 65-45-12	1
001	Body	Cast Iron	A 126 Class B	1

MATERIAL LIST	
HYDRO SHELL	300 PSI.
HYDRO VALVE SEAT	150 PSI.
HYDRO BACK SEAT	— PSI.
AIR SEAT	— PSI.
STEAM	— PSI.
TEST PRESSURE	
WORKING PRESSURE	150 PSI.

SIZE ød in. mm.	L	ANSI B16.1 CL. 125					A	øS	øB	H	H1	H2	I	J	K	M	N	N1	n1	n2	n3	n4	O	P	L1	X	Y	Z
		øD	øC	øh	n	T																						
14 (350)	30	21	18 3/4	1 1/8	12	1 3/8	6.5	3	22.24	21 1/16	12 1/16	43 7/8	1	2 1/8	4 1/2	4	3/4x10v(UNC)	-	-	-	-	6	1 1/2	23 1/2	9.5	2.5	1 1/2	
16 (400)	30 1/2	23 1/2	21 1/4	1 1/8	16	1 1/16	8.75	3 1/2	24 1/8	24	13 3/16	50 1/4	1	2 1/8	4 1/2	4	3/4x10v(UNC)	1x8v(UNC)	12	4	8	8	6	1 1/2	26 7/8	10.75	2.5	1 1/2
18 (450)	33 1/2	25	22 3/4	1 1/4	16	1 9/16	8.25	3 3/4	28.35	27 3/16	14 5/8	55 3/4	1	2 1/8	4 1/2	4	3/4x10v(UNC)	1 1/8x7v(UNC)	-	16	-	-	6	1 1/2	28 3/4	11.25	3	1 3/4
20 (500)	40	27 1/2	25	1 1/4	20	1 1/16	8	4	31	31 1/16	15 3/8	62 1/8	1.5	2 1/2	5	4 1/2	1x8v(UNC)	-	-	-	-	7	2	32 1/2	11.5	3.5	2	
24 (600)	46	32	29 1/2	1 3/8	20	1 1/8	7	4	35.85	35 1/4	17 3/8	69 3/8	1.5	2 1/2	5	4 1/2	1x8v(UNC)	-	-	-	-	7	2	34 3/8	11.5	3.5	2	

MATERIAL LIST			
HYDRO SHELL	300	PSI.	
HYDRO VALVE SEAT	150	PSI.	
HYDRO BACK SEAT	—	PSI.	
AIR SEAT	—	PSI.	
STEAM	—	PSI.	
TEST PRESSURE			
WORKING PRESSURE	150	PSI.	



SCALE	DR. JON COLPAN	DATE 10/19/10	REV. 000
N.T.S.	CHK.	APP.	USA1357B
TITLE			
SIZE 14" to 24" SWING CHECK VALVE AWWA C508 BRONZE BODY SEAT RING & BUNA N DISC SEAT RING WITH ONE LEVER, WEIGHT AND AN AIR CUSHION.			
TYPE:	9001AB1AW	DRG NO.	HP90005
			REV. 5

DS01 ISSUED : 240640 REVISED--USA1350A-->CHANGE F--F,THREAD UNC

REVISION 1, CHANGED ITEM 166 MTRL. TYPE FROM MALLEABLE IRON A47 TO, UJC, 03/08/11, ECR# 456
 REVISION 2, ADDED ITEM 220 SNAP RING MATERIAL TYPE, UJC, 04/04/11, ECR# 491
 REVISION 3, ADDED BOLT MATERIAL TABLE, AA, 05/08/14
 REVISION 4, ADDED COVER O-RING TO MATERIAL TABLE AND REMOVED PAINT NOTE, AA, 11/28/17
 REVISION 5, UPDATE VIEW B FOR 16" SIZE AND ADDED COLUMNS n3 & n4, JCL, 02/28/18