



Marking

SIZE (INCH)
ARD
150 PSI
AWWA C500
DI

⊕
SCI
DI
200

Remark - Dimensions in inches
- End flanges mechanical joint conform to ANSIAWWA C111/A21.11

SIZE Ød In.	L	ØD	ØC	Ød1	Øh	n	h1	n1	T	A	H	H1	H2	H3	ØW	By pass size
14	15	20.31	18.75	15.44	7/8	6	7/8	4	1.31	22.75	38.88	14.62	12.89	-	15.75	-
16	18	22.56	21	17.54	7/8	6	7/8	6	1.38	26	44	16.64	14.38	25.79	17.75	3
18	20	24.83	23.25	19.64	7/8	6	7/8	6	1.44	29.29	47.33	18.71	15.59	27.88	17.75	3
20	20	27.08	25.50	21.74	7/8	6	7/8	8	1.50	32.52	51.38	20.79	17.56	27.88	17.75	3
24	24	31.58	30	25.94	7/8	8	7/8	8	1.62	36.54	60.24	22.05	24.73	32.63	19.69	4

NO.	PARTS	MATERIAL	ASTM/DESIGNATION	QTY
350	O-Ring A	Rubber (Buna N)	D 2000 BK 707	1
345	Packing	Braided Packing Synthetic Yam With PTFE		1
330	Whipper Ring	Rubber (Buna N)	D 2000 BK 707	1
320	Bonnet Gasket	Rubber (Buna N)	D 2000 BK 807	1
299	Stuffing Box Bolt	Zinc Coated Steel	A 307 Grade B	1 set
251	Body Guide Bolt	Zinc Coated Steel	A 307 Grade B	1 set
181	Top Nut	Zinc Coated Steel	A 307 Grade B	1
174	Bonnet Bolt & Nut	Zinc Coated Steel	A 307 Grade B	1 set
168	Stem	Stainless Steel	A 276 Type 304	1
145	Gland Nut	Brass	B 21	2
140	Gland Bolt	Zinc Coated Steel	A 307 Grade B	2
084	Roller	Bronze	B 62	2
083	Roller Box	Bronze	B 62	1
082	Bonnet Guide	Bronze	B 62	2
081	Body Guide	Bronze	B 62	2
071	Stem Nut	Bronze	B 62	1
068	Gland Bushing	Bronze	B 62	1
066	Bonnet Bushing	Bronze	B 62	1
062	Disc Seat Ring	Bronze	B 62	2
061	Body Seat Ring	Bronze	B 62	2
049	Gear Operator			1 set
010	Handwheel / Op Nut	Cast Iron	A 126 Class B	1
005	Gland	Ductile Iron	A 536 Grade 65-45-12	1
003	Disc	Ductile Iron	A 536 Grade 65-45-12	1
002	Bonnet	Ductile Iron	A 536 Grade 65-45-12	1
001	Body	Ductile Iron	A 536 Grade 65-45-12	1

NO.	MATERIAL LIST	TEST PRESSURE
HYDRO SHELL	550 PSI	
HYDRO VALVE SEAT	300 PSI	
HYDRO BACK SEAT	- PSI	
WORKING PRESSURE	300 PSI	

AMERICAN RD
A DIVISION OF MEYANE INC.
1800 GREENBERGER DEAR ROAD, ANNISTON, AL 36207
PHONE (256)831-2236 - FAX (256)831-2884

TITLE:
14"-24" SOLID WEDGE GATE VALVE - NRS - MJ END -
BEVEL GEAR-BOTTOM BYPASS-SERIES 100

TRP: SINGV
SCALE: NONE
DWG. NO: 100-14-24UJ468BP
DATE: 4/20/11