



SIZE	"A"	"B"	"D"	"K"	"L"	"Q"	"T"	"Y"
1/2"	3 3/4	28 3/8	4 1/2	24 1/2	1.985	22 1/2	1	3.375
3/4"	4	28 3/8	4 1/2	24 1/2	1.985	22 1/2	1	3.375
1"	4	34 9/16	7	26 19/32	3 1/4	24	1 1/8	6.367
1 1/2"	8 1/2	34 9/16	7	26 19/32	3 1/4	24	1 1/8	6.367
2"	11 1/8	43 1/2	12	31 29/32	5	28	1 1/4	8.367
3"	12	45 9/16	12	33 25/32	5 9/16	29 1/4	1 1/4	8.367
4"	15 7/8	56 1/16	16	40 17/32	7 1/2	33	1 15/16	10.442
5"	8 1/2	40 9/16	7	32 19/32	3 1/4	30	1 1/8	6.367
6"	12	46 5/16	12	34 5/8	5 9/16	30	1 1/4	8.367
8"	11 1/8	37 9/16	7	29 19/32	3 1/4	27	1 1/8	6.367
10"	12	50 9/16	12	38 25/32	5 9/16	34 1/4	1 1/4	8.367
12"	15 7/8	58 1/16	16	42 17/32	8 1/2	35	1 15/16	10.442
14"	4	32 7/8	4 1/2	29	1.985	27	1	3.375

⊕ SOCKETWELD VALVE BODY BUTTWELD VALVE SHOWN

ALL DIMENSIONS ARE IN INCHES

NO.	ITEM	QTY	MATERIAL	MATERIAL SPECIFICATION
1	VALVE BODY	1	STAINLESS STEEL	ASTM A351 GRADE CF8
2	WEDGE	1	STAINLESS STEEL	ASTM A351 GRADE CF8
3	SEAT CLAMP	1	PTFE	
4	SEAT CLAMP	1	STAINLESS STEEL	ASTM A351 GRADE CF8
5	STEM	1	STAINLESS STEEL	ASTM A479 304 S.S.
6	BAFFLE PLATE	1	STAINLESS STEEL	ASTM A479 304 S.S.
7	STEM BEARING (BEARING)	1	BRONZE	ASTM B144 (ALLOY #38)
8	RETAINING RING (BEARING)	1	ALLOY #25 COA #172	
9	OUTER TUBE	1	STAINLESS STEEL	ASTM A289 304 S.S.
10	INNER TUBE	1	STAINLESS STEEL	ASTM A289 304 S.S.
11	BONNET PLATE	1	STAINLESS STEEL	ASTM A351 GRADE CF8
12	BONNET BOLTS	8	STAINLESS STEEL	ASTM A320 BR CL.1
13	BONNET	1	STAINLESS STEEL	ASTM A351 GRADE CF8
14	CHEVRON ADAPTER	1	STAINLESS STEEL	ASTM A289 304 S.S.
15	CHEVRON SET	1	PTFE	
16	PACKING ADAPTER	1	NAVAL BRASS	ASTM B21
17	FLANGE	1	STAINLESS STEEL	ASTM A351 GRADE CF8
18	FLANGE BOLTS	2	STAINLESS STEEL	ASTM A351 GRADE CF8
19	FLANGE NUTS	2	STAINLESS STEEL	ASTM A351 GRADE CF8
20	YOKES	1	STAINLESS STEEL	ASTM A351 GRADE CF8
21	HANDWHEEL BUSHING	1	NAVAL BRASS	ASTM B21
22	HANDWHEEL	1	MALEABLE IRON	ASTM A47
23	WEDGE PIN	1	STAINLESS STEEL	303/304 STAINLESS STEEL
24	RETAINING RING (BAFFLE PLATE)	2	BERYLTIUM COPPER	ALLOY #25 COA #172
25	SEAT CLAMP SCREWS	3	STAINLESS STEEL	ASTM A320 BR CL.1
26	BAFFLE PLATE ADAPTER RING	1	STAINLESS STEEL	ASTM A479 304 S.S.

⊕ SOCKETWELD VALVE BODY

⊕ BUTTWELD VALVE SHOWN

SERVICE:

MAX. OPERATING PRESSURE: 300 SERIES: AUSTENITIC STAINLESS STEEL
 LG- LN- HE- LOX *
 TEMPERATURE RANGE: -325° F TO +100° F

SPECIFICATIONS:

BASIC CONSTRUCTION: 300 SERIES: AUSTENITIC STAINLESS STEEL
 PTFE SEAT
 PTFE PACKING
 25% GLASS FILLED PTFE BODY SEAL
 BRONZE STEM BEARING
 VENTED BONNET & BODY GASKIT
 MALEABLE IRON HANDWHEEL
 UNLESS OTHERWISE SPECIFIED, VALVES FURNISHED WITH SCH. 10 ENDS

NOTE:

UNLESS OTHERWISE SPECIFIED, VALVES NOT CLEANED FOR OXYGEN SERVICE
 THIS DRAWING IS SUBJECT TO LATEST REVISION

ACAD\DWG\SALES\DWG\C\M000541A

UNLESS OTHERWISE SPECIFIED	MATERIAL	HEAT TREATMENT	SCALE	ISSUED	DATE	REV.
MACHINED SURFACES TO BE AS FINISH BREAK ALL CORNERS .010"/R15 REMOVE ALL BURRS AND SHARP EDGES DIM. (3) DECIMAL PLACES = 2, 3, 4 DIM. (2) DECIMAL PLACES = 2, 3, 4 DIM. (1) DECIMAL PLACE = 2, 3, 4 ANGULAR TOL. ± 1/2° DIAMETERS TO BE CONCENTRIC WITHIN .005 T.I.R.			DO NOT SCALE		JUL 15 93	8
TITLE			MANUAL 110J VALVES MAIN ASSEMBLY			
NO.			REVISION			
1			ADDED 1" SPECIAL WITH Q=27			
2			ADDED 6" SPECIAL; ADDED BAFFLE PLATE ADAPTER RING			
3			ADDED 3/4" AND 1" SIZE			
4			ADDED 3" SPECIAL, ADDED PARTS LIST			
5			ADDED DIM'S FOR 1 1/2" SIZE			
6			ADDED 2" SPECIAL			
7			ADDED 2" SPECIAL			
8			ADDED NOTE: PTFE SEAT UPSTREAM, REMOVE 300#			
9			ADDED 4" SPECIAL			
10			ADDED 1" SPECIAL			
11			ADDED 1" SPECIAL			
12			ADDED 1" SPECIAL			
13			ADDED 1" SPECIAL			
14			ADDED 1" SPECIAL			
15			ADDED 1" SPECIAL			
16			ADDED 1" SPECIAL			
17			ADDED 1" SPECIAL			
18			ADDED 1" SPECIAL			
19			ADDED 1" SPECIAL			
20			ADDED 1" SPECIAL			
21			ADDED 1" SPECIAL			
22			ADDED 1" SPECIAL			
23			ADDED 1" SPECIAL			
24			ADDED 1" SPECIAL			
25			ADDED 1" SPECIAL			
26			ADDED 1" SPECIAL			

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