



Shanghai Tianfa Trading Co., Ltd.

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GATE VALVE CLASS 900Lb

MAIN PARTS AND MATERIALS

NO.	Part Name	Qty.	Material	NO.	Part Name	Qty.	Material
1	Body	1	WCB	14	Gland Nut	1	A29 1035
2	Seat	2	A105+HF	15	Lock Nut	1	A29 1035
3	Wedge	1	WCB+F6	16	Hand wheel	1	60-40-18
4	Stem	1	A182 F6	17	Oil Filler	1	A570 GR.A
5	Gasket	1	304 Wound Graphite	18	Eye Bolt	2	A193 B7
6	Bonnet	1	WCB	19	Eye Nut	2	A194 2H
7	Back seat	1	A276 410	20	Pin	2	A29 1035
8	Packing	1	Stainless Steel Wire With Flexible Graphite	21	Spilt Pin	2	A570 GR.A
9	Packing	4-5		22	Stud		A193 B7
10	Distance Ring	1	A276 410	23	Nut		A194 2H
11	Gland	1	A276 410	24	Rivet	2	304
12	Gland Flange	1	WCB	25	Name Plate	1	304
13	Gland Nut	1	D-2				

MAIN CONNECTION DIMENSIONS AND WEIGHTS

NPS d	in	2	2-1/2	3	4	6	8	10	12	14	16
	mm	47	57	73	98	146	190	238	282	311	356
L-L1 (RF-BW)	in	14.50	16.50	15.00	18.00	24.00	29.00	33.00	38.00	40.50	44.50
	mm	368	419	381	457	600	737	838	965	1029	1130
L2 (RTJ)	in	14.62	16.62	15.12	18.12	24.12	29.12	33.12	38.12	40.88	44.88
	mm	371	422	384	460	613	740	841	968	1038	1140
d1	in	3.62	4.13	5.00	6.18	8.5	10.63	12.76	15.00	16.26	18.50
	mm	92	105	127	157	216	270	324	381	413	470
d2	in	6.35	7.05	7.50	9.25	12.50	15.5	18.50	21.00	22.00	24.25
	mm	165.0	190.5	190.5	234.9	317.5	393.7	469.9	533.4	558.8	615.9
D	in	8.50	9.62	9.50	11.50	15.00	18.5	21.50	24.00	25.25	27.75
	mm	216	244	241	292	381	470	545	610	640	705
b	in	1.50	1.63	1.50	1.75	2.20	2.50	2.75	3.13	3.38	3.50
	mm	38.5	41.5	38.5	44.5	56	63.5	70	79.5	86	89
n-φd	in	8-1.00	8-1.13	8-1.00	8-1.25	12-1.25	12-1.50	16-1.50	20-1.50	20-1.63	20-1.75
	mm	8-26	8-29	8-26	8-32	12-32	12-39	16-39	20-39	20-42	20-45
H (open)	in	21.54	27.56	25.51	28.70	40.98	49.61	62.60	70.67	79.72	85.34
	mm	547	700	648	729	1041	1260	1590	1795	2025	2170
W	in	11.81	13.78	15.75	17.72	22.5	18.11	24.02	24.02	29.92	29.92
	mm	300	350	400	450	560	460	610	610	760	760
WT (Kg)	BF	90	110	123	148	420	650	1160	1700	2300	2750
	BW	82	93	108	122	359	566	980	1450	2000	2390

Manual gear operator is recommended