

VALVES WORKING WELL ON LINE AT CUSTOMER PLACE FOR OVER 11 YEARS



Sri Ranganathar Valves (P) Ltd.

Quality flow in every valve



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KNIFE GATE VALVE (FACE SEALING RESILIENT SEAT)

ISO 9001 : 2015 | PED | API 6D CERTIFIED

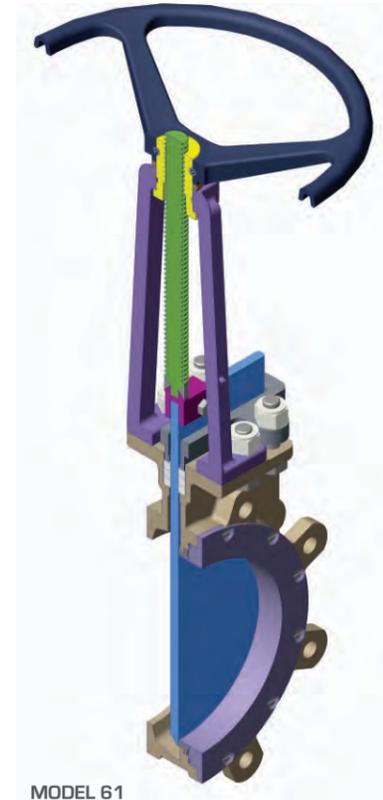
KNIFE GATE VALVE FACE SEALING RESILIENT SEAT

- MEETS MSS SP 81 & TAPPI
- STANDARD PRESSURE RATING IS 2" TO 24" - CWP150 AND 30" TO 60" - CWP75 AND OPTIONAL PRESSURE CLASS IS AVAILABLE FOR ALL SIZES
- SEAT MATERIAL : EPDM, NITRILE, VITON, SILICON, PTFE AND RTFE
- SINGLE PIECE FULL PORT BODY
- DESIGNED FOR TIGHT SHUT-OFF
- BALANCED GATE LIFTING & PUSHING DOWN WITH WIDE GATE AND STEM CONNECTION WITH LIFTER
- GROUND GATE
- NIL PLAY WITH TWO PIN PRESS FIT DRIVE HAND WHEEL WITH STEM NUT
- NEVER BREAKS CARBON STEEL HAND WHEEL
- BGO, CWO, QUICK OPEN LEVER OPR, AIR CYL OPR, HYD CYL OPR AND ELE OPR AVAILABLE
- FULL FLANGE DESIGN AVAILABLE
- ALL GRADES OF ASTM A 216, A 217, A 351, A 352, A 494 & A995 AVAILABLE
- WORKING ALL OVER THE WORLD FOR THE PAST 11 YEARS

MADE TO DIFFERENT BRANDS, MATERIALS AND END CONNECTIONS



SOLID MODEL OF KNIFE GATE VALVE (FACE SEALING RESILIENT SEAT)

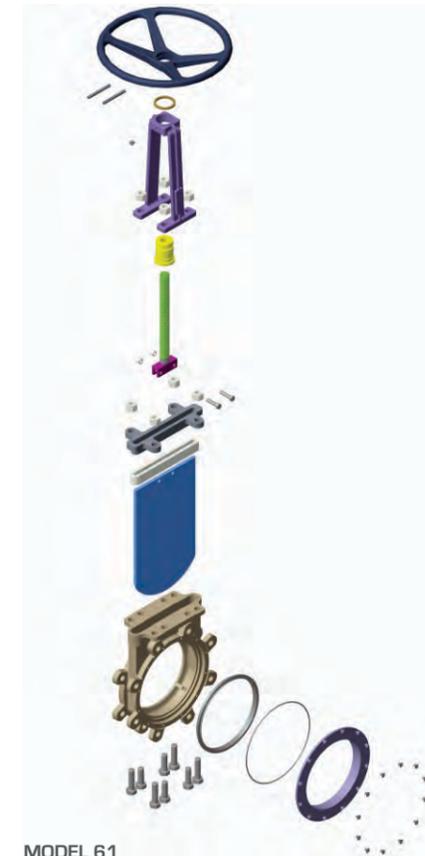


MODEL 61

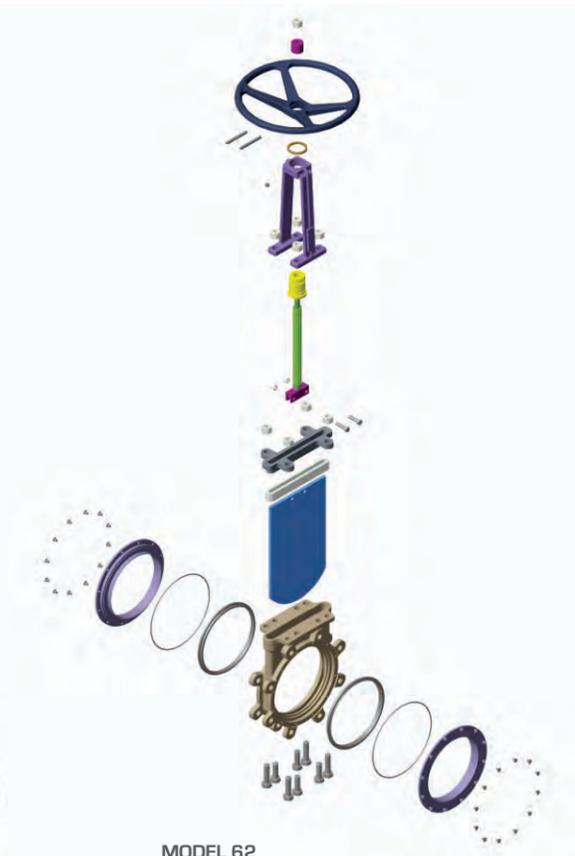


MODEL 62

EXPLODED VIEW OF KNIFE GATE VALVE (FACE SEALING RESILIENT SEAT)



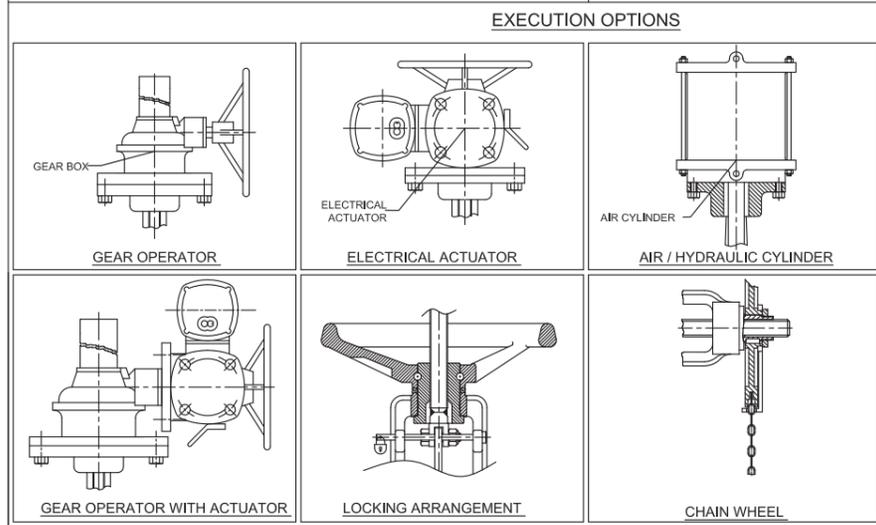
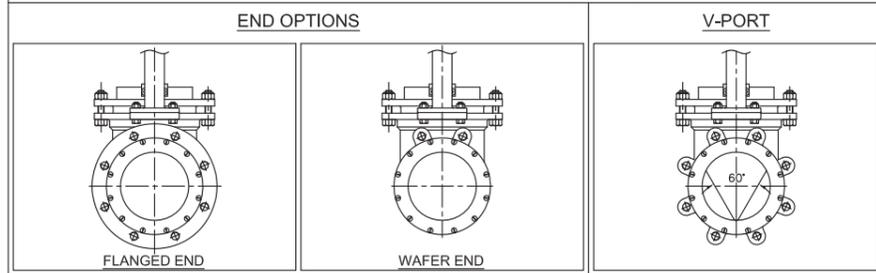
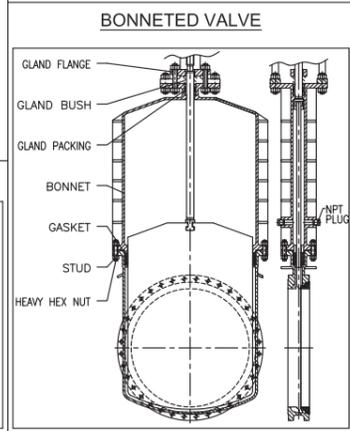
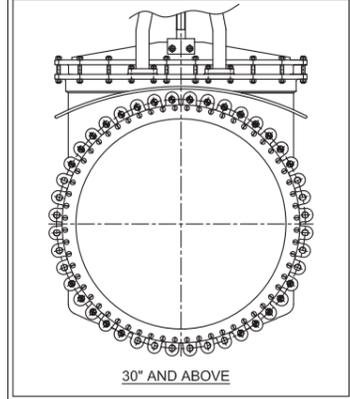
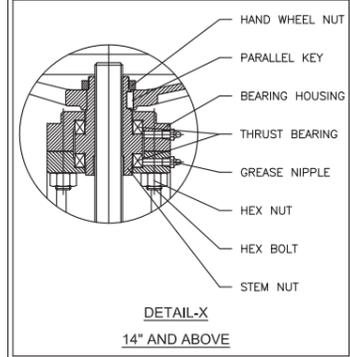
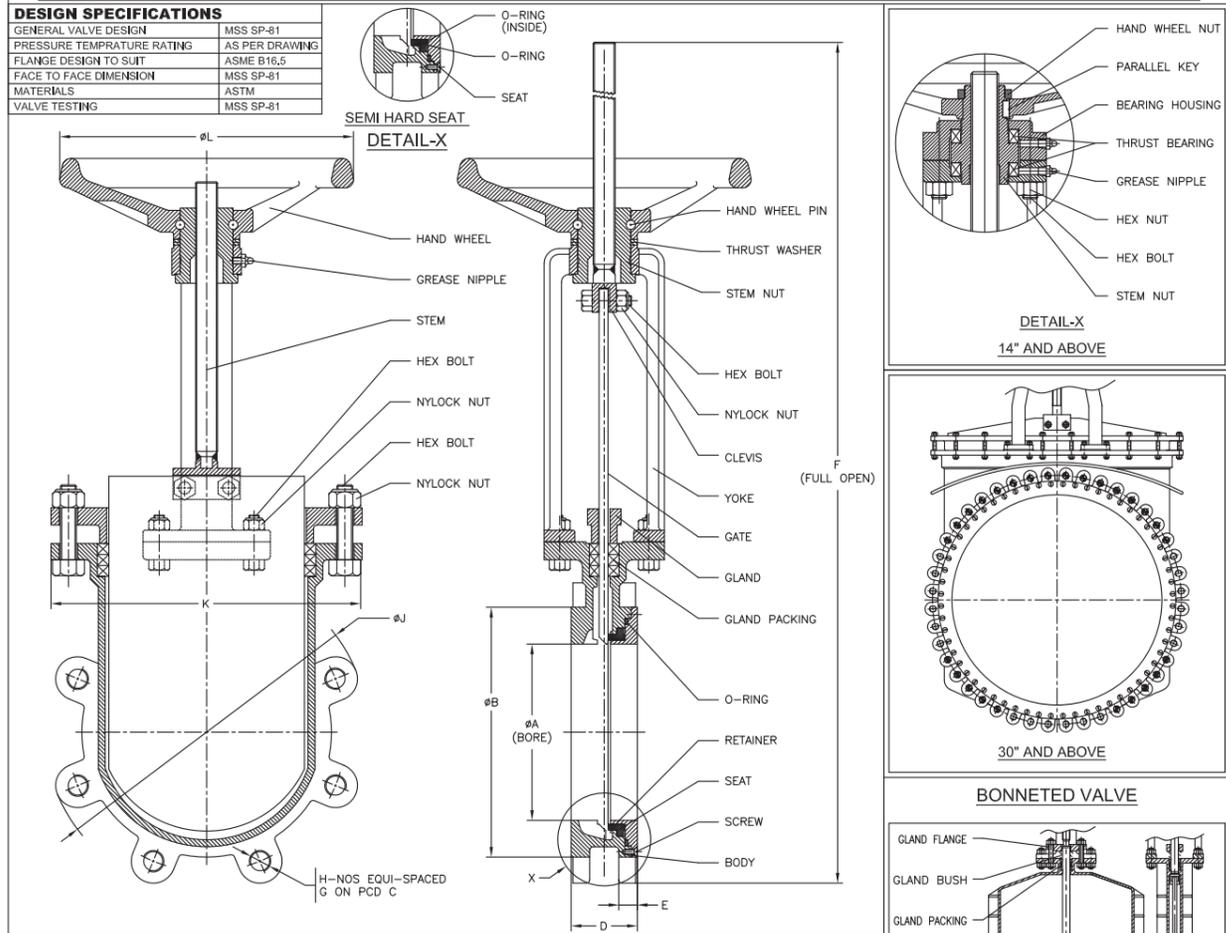
MODEL 61



MODEL 62

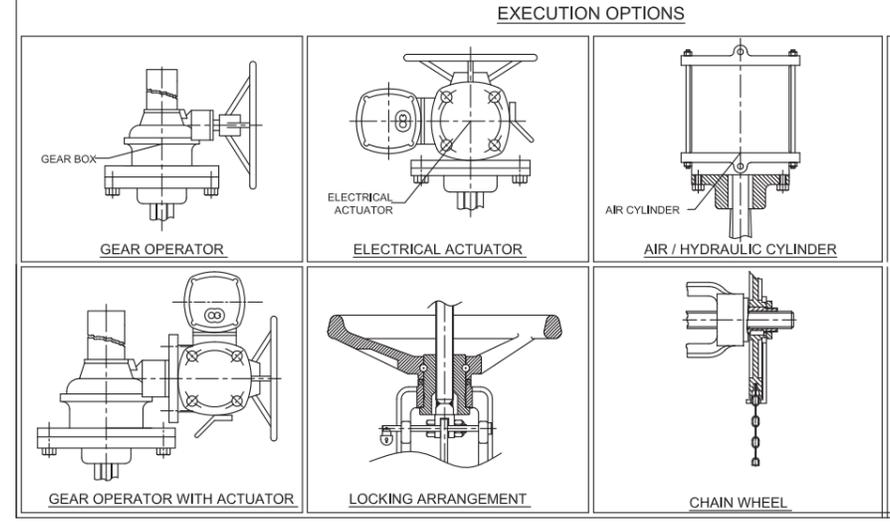
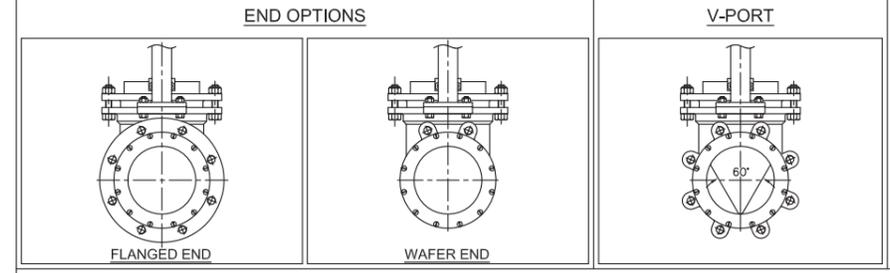
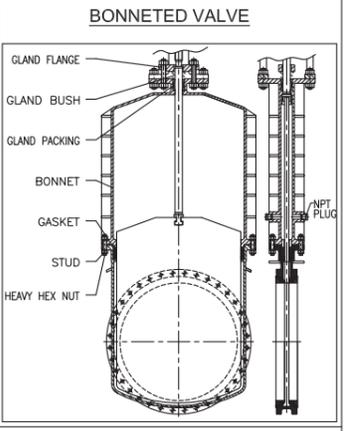
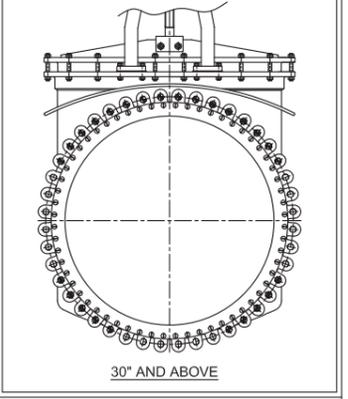
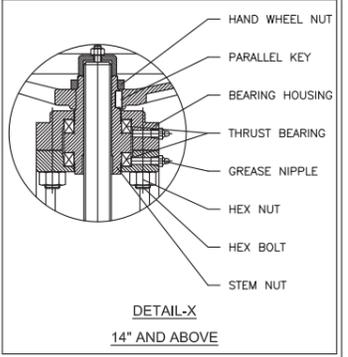
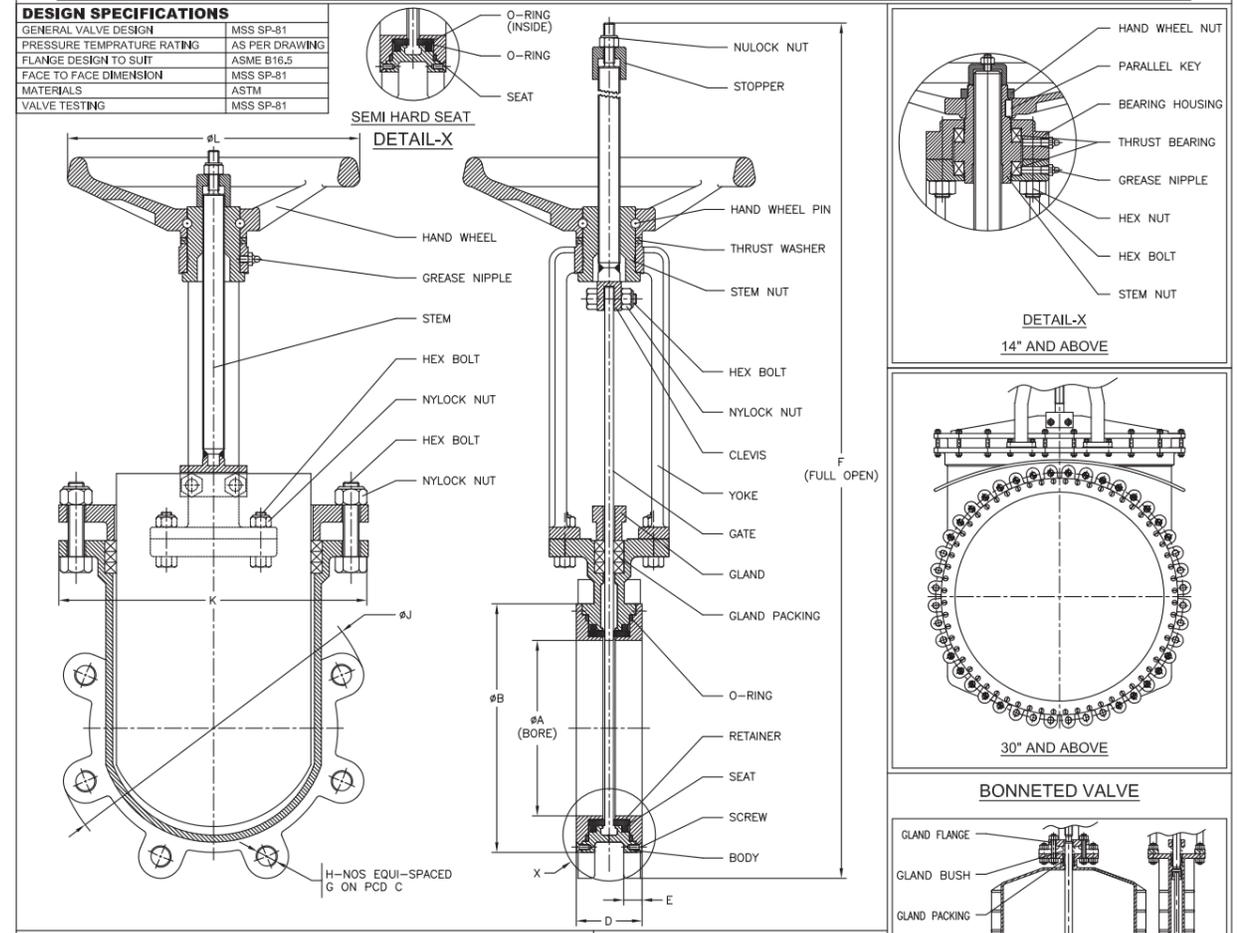
GENERAL ASSEMBLY

KNIFE GATE VALVE - UNI-DIRECTIONAL FACE SEALING RESILIENT SEAT - MODEL 61



GENERAL ASSEMBLY

KNIFE GATE VALVE - BI-DIRECTIONAL FACE SEALING RESILIENT SEAT - MODEL 62



DIMENSIONS

SIZE	2		2 1/2		3		4		5		6		8		10		12		14		16		18		20		24		30		36		42		48		54		60				
	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm			
ØA	2.00	50.8	2.50	63.5	3.00	76.2	4.00	101.6	5.00	127.0	6.00	152.4	8.00	203.0	10.00	254.0	12.00	304.8	13.25	336.7	15.25	387.3	17.25	438.1	19.25	488.9	23.25	590.5	29.25	742.9	35.25	898.3	41.25	1047.7	47.25	1200.1	53.25	1353.0	59.25	1505.0			
ØB	3.62	91.9	4.50	114.3	5.00	127.0	6.19	157.2	8.50	215.9	10.62	269.7	12.70	323.8	15.00	381.0	18.50	469.9	21.00	533.4	23.00	584.2	27.25	692.1	33.70	856.0	42.75	1093.8	53.50	1358.9	64.25	1635.0	75.00	1904.8	85.75	2186.9	96.50	2451.0					
ØC	4.75	120.7	5.50	139.7	6.00	152.4	7.50	190.5	8.50	215.9	9.50	241.3	11.75	298.5	14.25	362.0	17.00	431.8	21.00	533.4	25.00	635.0	29.50	749.3	36.00	914.4	45.00	1143.0	56.00	1419.2	67.00	1700.0	78.00	1981.2	89.00	2262.0	100.00	2540.0					
D	1.88	47.8	2.00	50.8	2.00	50.8	2.25	57.2	2.25	57.2	2.75	69.9	3.00	76.2	3.50	88.9	3.50	88.9	4.50	114.3	4.50	114.3	5.75	146.0	6.50	165.1	7.00	177.8	8.00	203.2	9.00	228.6	10.00	254.0									
E	0.50	12.7	0.50	12.7	0.50	12.7	0.62	15.7	0.62	15.7	0.75	19.1	0.75	19.1	0.81	20.6	0.88	22.4	0.94	23.9	1.00	25.4	1.00	25.4	1.40	35.5	1.58	40.0	1.58	40.0	1.58	40.0	1.58	40.0									
F	15.5	394	19.3	490	23.0	584	26.2	665	29.3	743	36.3	921	44.0	1118	57.0	1448	73.0	1854	93.0	2362	131.9	3350	151.9	3858	203.2	5169	253.7	6406	317.6	8045	396.8	10064	498.8	12664									
ØG	5/8	5/8	5/8	5/8	3/4	3/4	3/4	3/4	7/8	7/8	1	1	1 1/8	1 1/8	1 1/4	1 1/4	1 1/2	1 1/2	1 1/2	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4				
H	4	4	4	4	8	8	8	8	8	8	8	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12		
ØJ	6.00	152.4	7.00	177.8	7.50	190.5	9.00	228.6	10.00	254.0	11.00	279.4	13.50	342.9	16.00	406.4	19.00	482.6	21.00	533.4	23.50	596.9	25.00	635.0	27.50	698.5	32.00	812.8	38.75	984.3	46.00	1168.0	53.00	1346.2	59.50	1511.3	66.25	1682.8	73.00	1854.2			
K	6.14	156.0	7.16	182.0	7.66	195.5	8.66	220.0	10.55	268.0	11.05	281.1	13.50	342.9	16.00	406.4	19.00	482.6	21.00	533.4	23.50	596.9	25.00	635.0	27.50	698.5	32.00	812.8	38.75	984.3	46.00	1168.0	53.00	1346.2	59.50	1511.3	66.25	1682.8	73.00	1854.2			
ØL	8.0	203	8.0	203	10.0	254	10.0	254	12.0	305	12.0	305	16.0	406	16.0	406	20.9	530	20.9	530	24.8	630	24.8	630	30.0	762	30.0	762	38.8	984	46.0	1168	BGO	BGO	BGO	BGO	BGO	BGO	BGO	BGO	BGO		
P	---	---	---	---	15.7	400	17.7	450	---	---	25.6	650	39.4	1000	68.9	1750	88.6	2250	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

SIZE	30		36		42		48		54		60	
	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm	INCH	mm
ØA	29.25	742.9	35.25	898.3	41.25	1047.7	47.25	1200.1	53.25	1353.0	59.25	1505.0
ØB	33.70	856.0	40.20	1021.0	47.00	1193.8	53.50	1358.9	59.48	1511.0	66.00	1676.0
ØC	36.00	914.4	42.75	1085.9	49.50	1257.3	56.00	1422.4	62.75	1593.8	69.25	1759.0
D	5.40	136.0	6.30	160.0	5.42	137.8	5.85	148.8	7.50	190.5	8.50	215.9
E	1.40	35.5	1.60	40.6	1.58	40.0	1.58	40.0	1.58	40.0	1.58	40.0
F	131.9	3350	151.9	3858	160.0	4064	177.6	4511	196.4	4988	222.2	5643
ØG	1 1/4	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
H	28	32	36	44	44	44	44	52	52	52	52	52
ØJ	38.75	984.0	46.00	1168.0	53.00	1346.2	59.50	1511.3	66.25	1682.8	73.00	1854.2
K	38.70	984.0	46.00	1168.0	51.40	1304.0	55.69	1440.0	69.88	1775.0	76.70	1948.0
ØL	38.8	984	46.0	1168	BGO	BGO	BGO	BGO	BGO	BGO	BGO	BGO

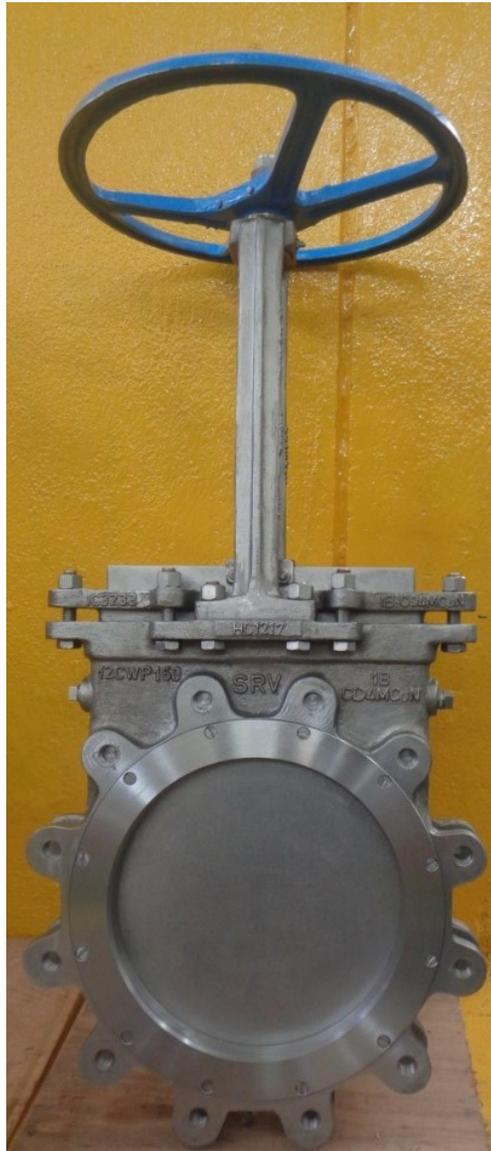
TECHNICAL DATAS

CWP 150							
SIZE	THRUST	TORQUE	Cv	Kv			
INCH	mm	KN	lbs	Nm	lbs-ft	Usgpm	cmph
2"	50	2.9	648.0	12.6	9.0	345.1	298.6
2 1/2"	65	3.6	800.0	15.4	11.0	539.3	466.5
3"	80	4.0	898.0	16.8	12.0	776.6	671.8
4"	100	5.6	1253.0	23.8	17.0	1380.6	1194.3
5"	125	7.8	1754.0	33.3	23.8	2157.1	1866.0
6"	150	9.2	2077.0	51.8	37.0	3106.3	2687.1
8"	200	16.0	3590.0	88.2	63.0	5522.2	4777.0
10"	250	24.3	5469.0	135.8	97.0	8628.5	7464.1
12"	300	32.5	7299.0	197.4	141.0	12425.0	10748.3
14"	350	38.1	8573.0	232.4	166.0	15148.4	13104.2
16"	400	48.7	10959.0	322.0	230.0	20066.7	17358.7
18"	450	64.1	14409.0	422.8	302.0	25675.2	22210.4
20"	500	76.5	17189.0	572.6	409.0	31974.0	27659.2
24"	600	105.9	23801.0	828.8	592.0	46642.4	40348.1
30"	750	135.3	30413.0	1059.0	756.4	73822.2	63860.0
36"	900	164.7	37025.0	1289.3	920.9	107214.5	92746.1
42"	1050	287.7	64677.5	2157.8	1541.3	146819.3	127006.3
48"	1200	400.8	90103.4	3204.0	2288.6	192636.7	166640.7
54"	1350	541.6	121756.5	4593.3	3280.9	244666.5	211649.2
60"	1500	644.8	144956.8	6101.0	4357.9	302908.9	262031.9

CWP 75							
SIZE	THRUST	TORQUE	Cv	Kv			
INCH	mm	KN	lbs	Nm	lbs-ft	Usgpm	cmph
30"	750	74.16	16672.2	562.30	401.6	73822.2	63860.0
36"	900	91.35	20536.0	692.65	494.8	107214.5	92746.1
42"	1050	207.3	46602.9	1554.6	1110.4	146819.3	127006.3
48"	1200	291.3	65486.8	2328.9	1663.5	192636.7	166640.7
54"	1350	393.4	88439.8	3340.9	2386.4	244666.5	211649.2
60"	1500	459	103187.3	4343.1	3102.2	302908.9	262031.9

BILL OF MATERIALS

PART NAME	A 216-WCB	WCC	A 217-WC6	WC9	A 217-C5	C9	C12	A 352-LCB	LCC	A 351-CF8	A 351-CF8M	A 351-CF3	A 351-CF3M
BODY	A 216-WCB	WCC	A 217-WC6	WC9	A 217-C5	C9	C12	A 352-LCB	LCC	A 351-CF8	A 351-CF8M	A 351-CF3	A 351-CF3M
SCREW	SS 316		SS 316		SS 316			SS 316		SS 316		SS 316	
SEAT	EPDM / VITON / PTFE / RTFE		EPDM / VITON / PTFE / RTFE		EPDM / VITON / PTFE / RTFE			EPDM / VITON / PTFE / RTFE		EPDM / VITON / PTFE / RTFE		EPDM / VITON / PTFE / RTFE	
RETAINER	A 216-WCB	WCC	A 217-WC6	WC9	A 217-C5	C9	C12	A 352-LCB	LCC	A 351-CF8	A 351-CF8M	A 351-CF3	A 351-CF3M
O-RING	EPDM / VITON		EPDM / VITON		EPDM / VITON			EPDM / VITON		EPDM / VITON		EPDM / VITON	
GLAND PACKING	BRAIDED PTFE		BRAIDED PTFE		BRAIDED PTFE			BRAIDED PTFE		BRAIDED PTFE		BRAIDED PTFE	
GLAND	A 216-WCB	WCC	A 217-WC6	WC9	A 217-C5	C9	C12	A 352-LCB	LCC	A 351-CF8	A 351-CF8M	A 351-CF3	A 351-CF3M
GATE	SS 304		SS 304		SS 304			SS 304		SS 304		SS 304	
YOKES	A 216-WCB		A 216-WCB		A 216-WCB			A 216-WCB		A 351-CF8		A 351-CF8	
CLEVIS	A 351-CF8		A 351-CF8		A 351-CF8			A 351-CF8		A 351-CF8		A 351-CF8	
NYLOCK NUT (GATE/CLEVIS)	A 194-2H		A 194-2H		A 194-2H			A 194-2H		SS 304		SS 304	
HEX BOLT (GATE/CLEVIS)	A 193-B7		A 193-B7		A 193-B7			A 193-B7		SS 304		SS 304	
STEM NUT	AB-1 / A 439-D2		AB-1 / A 439-D2		AB-1 / A 439-D2			AB-1 / A 439-D2		AB-1 / A 439-D2		AB-1 / A 439-D2	
THRUST WASHER	AB-1 / A 439-D2		AB-1 / A 439-D2		AB-1 / A 439-D2			AB-1 / A 439-D2		AB-1 / A 439-D2		AB-1 / A 439-D2	
HAND WHEEL PIN	SS 410		SS 410		SS 410			SS 410		SS 410		SS 410	
NYLOCK NUT (BODY/GLAND)	A 194-2H		A 194-2H		A 194-2H			A 194-2H		SS 304		SS 304	
HEX BOLT (BODY/GLAND)	A 193-B7		A 193-B7		A 193-B7			A 193-B7		SS 304		SS 304	
THRUST BEARING	COMMERCIAL		COMMERCIAL		COMMERCIAL			COMMERCIAL		COMMERCIAL		COMMERCIAL	
BEARING HOUSING	A 216-WCB		A 216-WCB		A 216-WCB			A 216-WCB		A 351-CF8		A 351-CF8	
PARALLEL KEY	C40		C40		C40			C40		C40		C40	
HAND WHEEL NUT	C 45 (BLACKOXIDISED)		C 45 (BLACK										



Gr.CD4MCuN