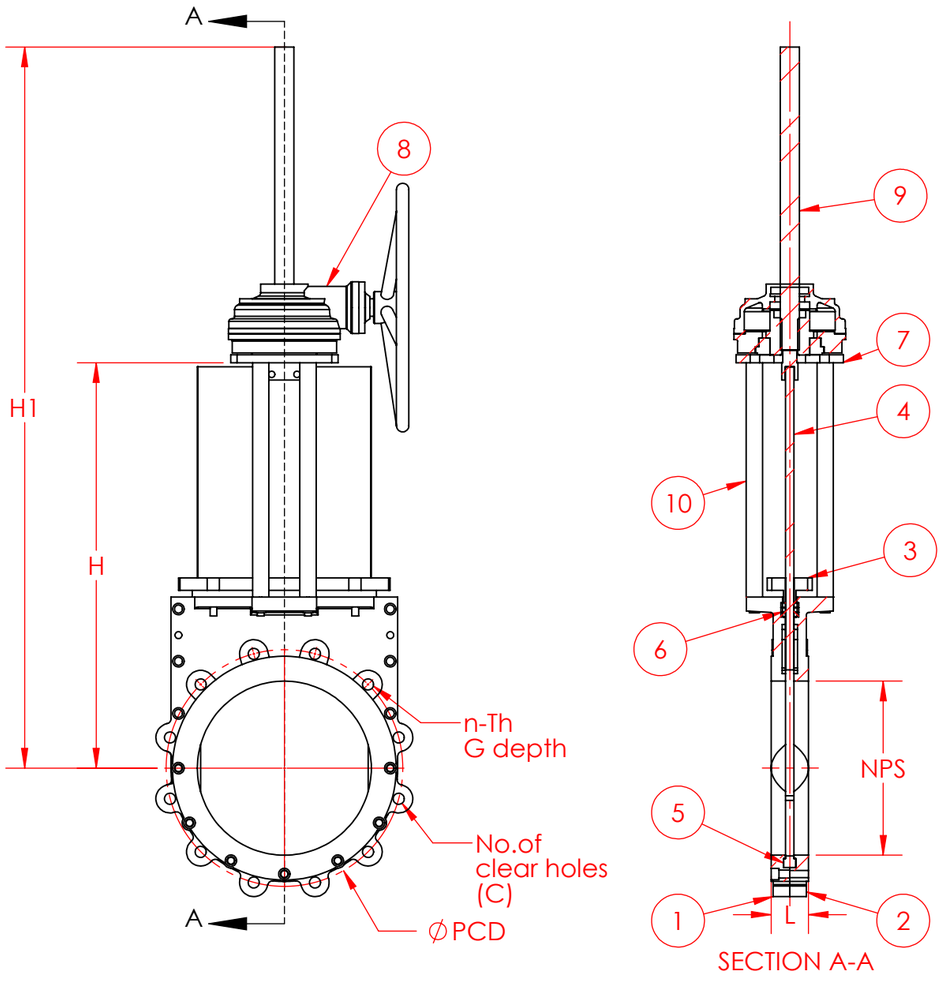
REVISIONS			
REV.	DESCRIPTION	DRAWN	DATE
A	INITIAL RELEASE	BDK	2021-03-11
B	WEIGHT ADDED	BDK	2021-09-15
C	3"NPS LUG HOLES REVISED	BDK	2021-10-21



E5200	_	_	_	_	_	_	-	__	_

BODY		GATE		SEAT		TOPWORKS		PACKING		OPERATOR	
Ductile Iron	D	304ss	1	EPDM	E	Pressure Bonnet	P	Food Grade	F	Bare Stem	B
304ss	1	316ss	2	Viton	V	SS Stanchions	S	Graphite	G	Bare Stem (ISO PAD)	B(A)
								Teflon w/Kevlar	K	Chainwheel	C
								Teflon	T	Chainwheel with Nut	C(N)
										Electric	E
										Gear	G
										Gear with Nut	G(N)
										Gear (Inline)	G(L)
										Hydraulic (Cylinder)	H
										Lever	L
										Nut	N
										Pneumatic (HP Cylinder)	P
										Pneumatic (GP Cylinder)	P(G)
										Spring Closed (FC)	R
										Spring Open (FO)	S
										Ratchet	T
										Handwheel	W
										Handwheel with Nut	W(N)
										No Stem (CLA Only)	X

Standard

SIZE	OPTIONS	
02	Xylan Coated Gate	1
03	Xylan Coated Wetted Par	2
04	Chrome Coated Gate	3
06	Nickel Coated Gate	4
08	API 607 Fire Safe Design	5
10	Silicone Free	7
12	NA Content	8
14	AIS Requirement	9
16	Oversized Cylinder	A
18	Safety Guards	B
20	Through Port	C
24	Stem Extension	E
	Air Filter / Reg	F
	Energized	G
	Internal Liners	I
	Wear Ring	K
	Live Load	L
	Non-Rising Stem	N
	Lockouts	O
	Purge Ports	P
	Junction Box Kit	Q
	Solenoid	S
	Positioner	T
	V-port	V
	Extrusion / Wiper / Scrap	W
	Prox Probes	X
	Stem Protector	Y

NOTE:
- PRESSURE RATED FOR 250PSI IN-LINE SERVICE.
- 150PSI DEAD END SERVICE.
- DESIGNED AND TESTED AS PER **MSS-SP81.**
- ZERO LEAKAGE SHUTOFF FOR RESILIENT SEATED VALVES
- DIMENSIONS (in)

Ⓑ

NPS	L	D	n-Th	C	G	H	H1	Weight (lbs)
2	1.88	4.74	4 x 5/8"-11	0	0.57	10.75	17.75	46
3	2.00	6.00	4 x 5/8"-11	0	0.80	14.25	22.25	64
4	2.00	7.50	8 x 5/8"-11	4	0.80	17.50	26.50	64
5	2.25	8.50	8 x 3/4"-10	4	0.85	26.40	36.40	85
6	2.25	9.51	8 x 3/4"-10	4	0.85	22.70	33.70	101
8	2.75	11.75	8 x 3/4"-10	4	0.95	23.55	36.55	147
10	2.75	14.25	12 x 7/8"-9	4	1.00	27.00	42.00	211
12	3.00	17.01	12 x 7/8"-9	4	1.00	32.62	49.62	321
14	3.00	18.74	12 x 1"-8	4	1.50	35.45	57.45	435
16	3.50	21.24	12 x 1"-8	4	1.65	38.25	62.25	578
18	3.50	22.76	16 x 1 1/8"-7	4	1.80	41.82	67.82	1027
20	4.50	25.00	20 x 1 1/8"-7	4	2.00	44.50	72.50	14720
24	4.50	29.49	20 x 1 1/4"-7	4	2.00	51.20	83.20	2100

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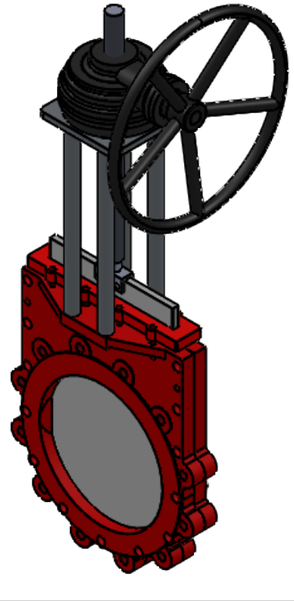

ITEM #	DESCRIPTION	MATERIAL
12	HARDWARE	304SS
10	STANCHIONS	304SS
9	STEM	304SS
8	GEARBOX	DI
7	YOKE BRIDGE	304SS
6	PACKING	REFER TO CHART
5	SEAL	REFER TO CHART
4	GATE	REFER TO CHART
3	PACKING FOLLOWER	SAME AS BODY
2	BODY	REFER TO CHART
1	BODY	REFER TO CHART

UNLESS OTHERWISE SPECIFIED
INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M-1994
ALL DIMENSIONS SHOWN APPLY AFTER PLATINGS AND COATING
TOLERANCES APPLY AS SHOWN BELOW

THIRD ANGLE PROJECTION

FRACTIONS	± 1/32	NONE	± .02
ANGLES	± .1°	.X	± 0.1
SURFACE FINISH	32	.XX	± .01
UOM	INCH	.XXX	± .005

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BY ACCEPTANCE OF THIS DRAWING, THE BEARER AGREES TO THESE CONDITIONS.

DRAWN BY: RL 2019-03-04
CHECKED BY: - -

EliteValve
www.elitevalve.com
2305 WYECROFT RD.
OAKVILLE, ON, L6L 6R2
TEL: 519.756.3100
FAX: 519.756.3663

JOB NO.: JOB NAME:
DWG NAME: **E5200, BI-DIRECTIONAL KGV, BEVEL GEAR** REV. **C**
DWG NO. **E52XXXSXG-XX(2-24in)**
SIZE A | SCALE: 1:12 | WEIGHT: N/A | SHEET 1 OF 1
EV PART NO.: