

NPS	L	D	D1	D2	n-Th	G	H	H1	HW	WEIGHT
2	1.88	6.0	4.75	3.6	4 x 5/8"-11	0.39	11.8	13.8	6.0	15.4
3	2.00	7.5	6.00	5.0	4 x 5/8"-11	0.39	14.6	17.6	8.5	22.0
4	2.00	9.0	7.50	6.2	8 x 5/8"-11	0.47	16.3	20.3	10.0	29.8
6	2.25	11.0	9.50	8.5	8 x 3/4"-10	0.55	21.0	27.0	11.0	50.7
8	2.75	13.5	11.75	10.6	8 x 3/4"-10	0.63	24.5	32.5	12.5	76.1
10	2.75	16.0	14.25	12.8	12 x 7/8"-9	0.67	27.2	37.2	14.0	97.0
12	3.00	19.0	17.00	15.0	12 x 7/8"-9	0.67	31.2	43.2	15.5	130.1
14	3.00	21.0	18.75	16.3	12 x 1"-8	0.67	35.8	49.8	17.5	165.3
16	3.50	23.5	21.25	18.5	16 x 1"-8	0.79	40.2	56.2	18.5	240.3
18	3.50	25.0	22.75	21.0	16 x 1-1/8"-7	0.79	45.3	63.3	19.5	303.1
20	4.50	27.5	25.00	23.0	20 x 1-1/8"-7	0.87	49.0	69.0	20.5	414.5
24	4.50	32.0	29.50	27.3	20 x 1-1/4"-7	0.87	58.4	82.4	21.0	567.7

REVISIONS			
REV.	DESCRIPTION	DRAWN	DATE
A	INITIAL RELEASE	ML	
B	YOKE DESIGN CHANGED	RL	2018-08-08
C	ADDED WEIGHTS AND MATERIAL STANDARDS	RL	2019-10-27
D	UPDATE PART NUMBER MATRIX	BD	2022-07-20

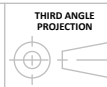
Model	Body	Gate	Seat	TopWorks	Packing	Operator	Size	Options
ES400	WCB	Carbon Steel	C Atlas	A Fabricated Yoke	F Atlas	A Bare Stem	B	None
ES100	Ductile Iron	D 304SS	1 Buna	B Pressure Bonnet	P Buna	B Chainwheel	C	Kylan Coated Gate
304SS	316SS	2 316SS	3 EPDM	F 304 SS Stanchions	S Ceramic 1500F	G Chainwheel with Nut	Z	Kylan Coated Wiered Parts
316SS	317 SS	3 Natural Rubber	316 SS Yoke	W EPDM	W EPDM	E Electric	F	Chrome Coated Gate
317 SS	3 2205 SS	4 Teflon (Si Core)	304 SS Yoke	Y Teflon w/Kevlar	K	Gear	G	Nickel Coated Gate
2205 SS	4 254 SMO	5 Urethane				Gear with Nut	GN	Silicone Free
254 SMO	5 RC50	6 Viton				Natural Rubber	N	Over sized Cylinder
RC50	6 Inconel 625	7 Metal				Gear (Inline)	GL	Safety Guards
Inconel 600	7 Hastelloy C276	8 RC50				Gear (Spur)	GS	Stem Extension
Hastelloy C276	17-4 PH	P				Viton	V	
904L SS	9 Titanium	T				Hydraulic (Cylinder)	H	
Titanium	T					Lever	L	Air Filter / Reg
						Nut	N	Energized
						Pneumatic (Cylinder)	P	Horseshoe
						Spring Closed (FC)	R	Live Load
						Spring Open (FO)	S	Non-Rising Stem
						Ratchet	T	Lockouts
						Upgraded (HP) Pneumatic	U	Purge Ports
						Handwheel	W	Junction Box Kit
						Handwheel with Nut	WN	Solenoid
						No Stem (CLA Only)	X	V port
								Extrusion / Wiper / Scrape
								Prox Probes
								Stem Protector

NOTE:

- MAXIMUM WORKING PRESSURE VALVE SIZE 2"-24" - 150psi
- DESIGNED AND TESTED AS PER MSS-SP81
- ZERO LEAKAGE SHUTOFF FOR RESILIENT SEATED VALVES
- DIMENSIONS (in)
- WEIGHT (lbs)

ITEM #	DESCRIPTION	MATERIAL	
16	HARDWARE	304SS	ASTM A193/A194
15	SEAL	REFER TO CHART	
14	GATE	REFER TO CHART	
13	BODY	REFER TO CHART	
12	PACKING	REFER TO CHART	
11	PACKING FOLLOWER	SAME AS BODY	
10	PIN	304SS	ASTM A276
9	STEM	304SS	ASTM A276
8	YOKE	CF8 (304SS)	ASTM A351
7	YOKE BRIDGE	CF8 (304SS)	ASTM A351
6	BUSHING	AL. BRONZE	ASTM B505
5	THRUST BEARING	410/440-C SS	
4	SPACER	304SS	ASTM A312
3	RETAINER	304SS	ASTM A312
2	HANDWHEEL NUT	304SS	ASTM A276
1	HANDWHEEL	WCB (CS) + PAINT	ASTM A216

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



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

FRACTIONS	± 1/32	NONE	± .02
ANGLES	± .1°	.X	± 0.1
SURFACE FINISH	32 ✓	.XX	± .06
UOM	in [mm]	.XXX	± .005

DRAWN BY: RL	2019-10-27
CHECKED BY: ML	2019-10-27

Elite Valve
www.elitevalve.com

JOB NO.:	JOB NAME:
DWG NAME: ES400, GENERAL PURPOSE UNIDIRECTIONAL KGV, HANDWHEEL OPERATOR	REV. D
DWG NO. E54XXXXYXW-XX (2in-24in)	
SIZE A	SCALE: -
WEIGHT: - LBS	SHEET 1 OF 1