

ACTUATOR SHOWN ROTATED
IN THIS VIEW FOR CLARITY

MEC/KMEC
Non-Pump Dependent Control Valves 10" LP SUV 1LP-PCV3204

DESIGN CONDITIONS	
DESIGN PRESSURE	155.00 psi(g)
DESIGN TEMPERATURE	369°F (187°C)
PIPE SCH UP	8.00/40 SCH
PIPE SCH DOWN	10.00/40 SCH
VALVE BODY MATERIAL	CARBON STEEL(WCC)
SERVICE DESCRIPTION	STEAM

VOGT POWER INTERNATIONAL

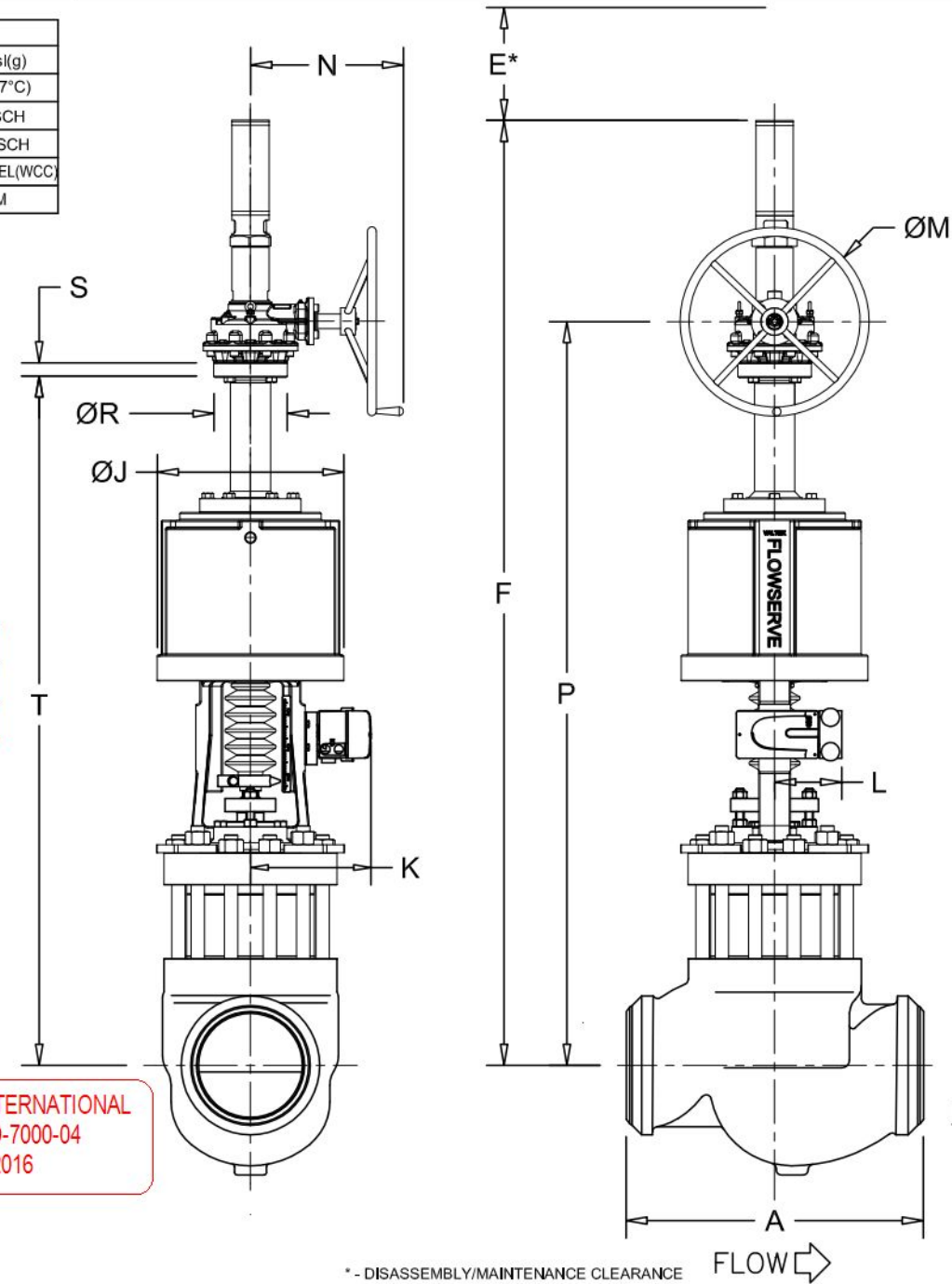
Released, Work May Proceed

Bell, Milton

Jul-28-2016

VOGT POWER INTERNATIONAL
V17494-CIXD-7000-04
13-Jul-2016



REV.	DATE	DESCRIPTION	DRAWN	CHKD
0	03-01-2016	ISSUED FOR APPROVAL	SSA	SG
1	05-02-2016	HANDWHEEL ORIENTATION CHANGED & INCLUDED ADDITIONAL DIMENSIONS	SSA	SG
2	06-18-2016	UPDATE AS PER CUSTOMER COMMENT	VGN	SG
3	07-06-2016	UPDATE AS PER CUSTOMER COMMENT	BJK	SG



APPROXIMATE ACTUATOR WEIGHT
548 lbs
249 kg

NOTE:
Drawing used for:
V17494-Middletown
VPI PO V0009668
and
V0009944 -Kings Mountain
VPI PO 8006106

	A	E	F	J	K	L	M	N	P	R	S	T	APPROXIMATE WEIGHT
in	29.62	14.1	88.7	17.5	10.7	6.1	18.0	16.0	69.8	6.9	1.4	64.5	1835 lbs
mm	752	358	2253	445	272	155	457	406	1773	175	36	1638	832 kg

MODEL		MK I/MGSTRM		DRAWN BY BJK		DATE 07-06-2016		<div> CERTIFIED DIMENSIONAL DRAWING</div>		
SIZE		10.00 INCH		CERTIFIED BY		SG				
RATING	STD	300	S75.08.05	DATE 07-06-2016		CUSTOMER				
END PREP.		BW SCH 40		<div>THIRD ANGLE PROJECTION</div> <div></div>		VOGT POWER INTERNATIONAL				
TRIM TYPE		P/B O-RING				PURCHASE ORDER NO.		PROJECT OR JOB		
TRIM NO	CV	8.00B	813			V0009668		V17494-MIDDLETOWN		
ACT. SIZE		200 SQ IN		<div>TOLERANCES</div> <div>DECIMALS: IN/[mm]</div> <div>.X ±.25/[6.4]</div> <div>.XX ±.12/[3.1]</div> <div>.XXX ±.06/[1.5]</div> <div>ANGLES: ±1/2°</div>		ITEM NO.		SHEET 1 of 2		SIZE
SPRING		NONE				TAG NO.		SCALE: NONE		C
AIR ACTION		OPEN				1LP-PCV3204		VALTEK S/N		REV
FAIL MODE		CLOSE						8003477.001		3

* - DISASSEMBLY/MAINTENANCE CLEARANCE

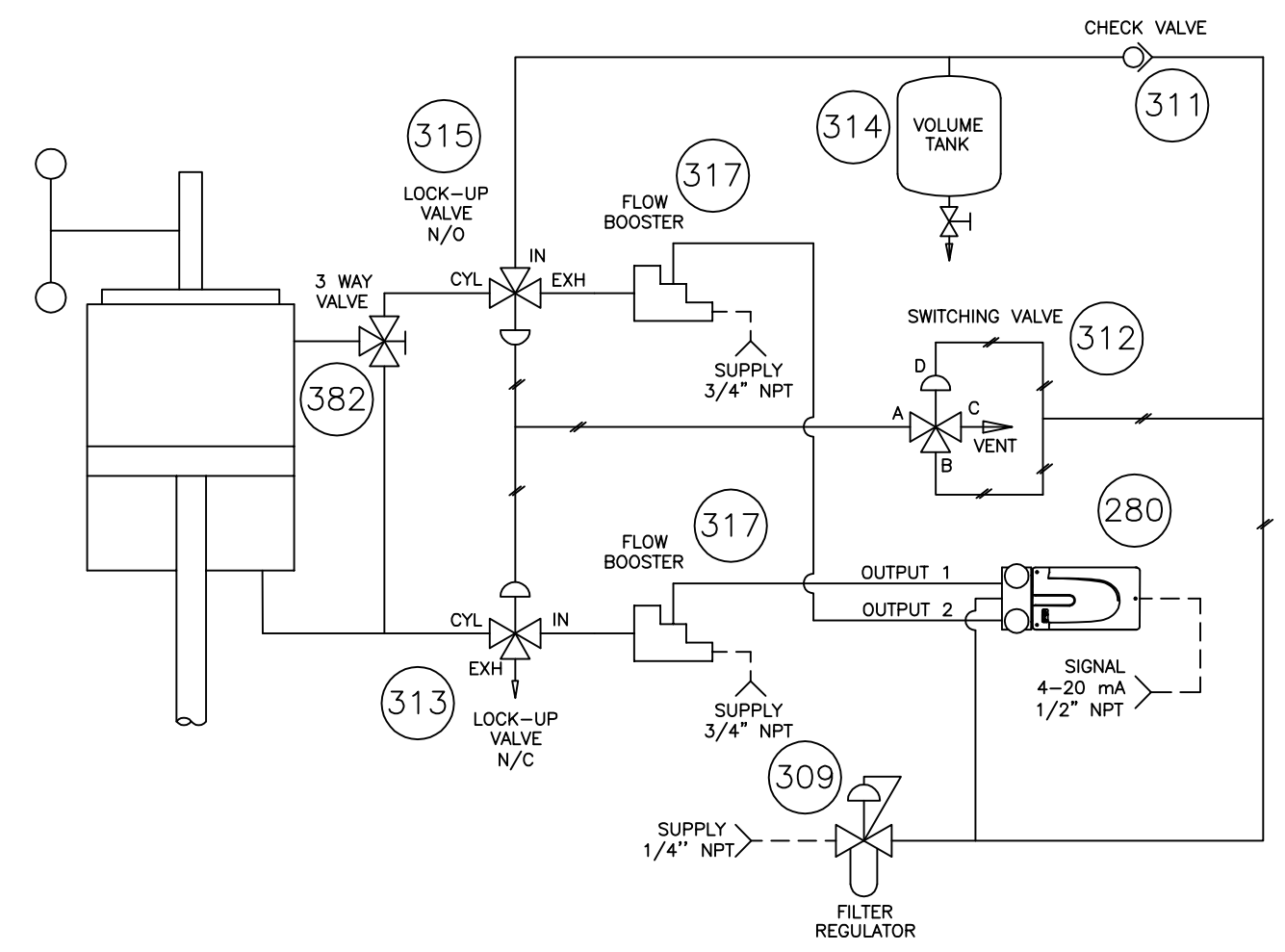
TOLERANCES
DECIMALS: IN[mm]
.X ±.25/[6.4]
.XX ±.12/[3.1]
.XXX ±.06/[1.5]
ANGLES: ±1/2°

D

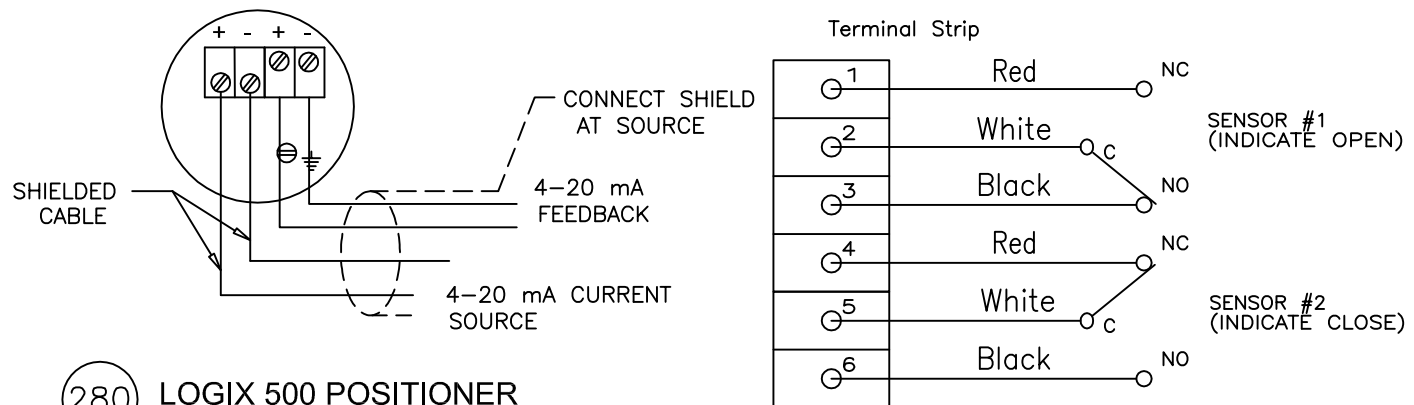
C

B

A



PNEUMATIC SCHEMATIC



ELECTRICAL SCHEMATIC

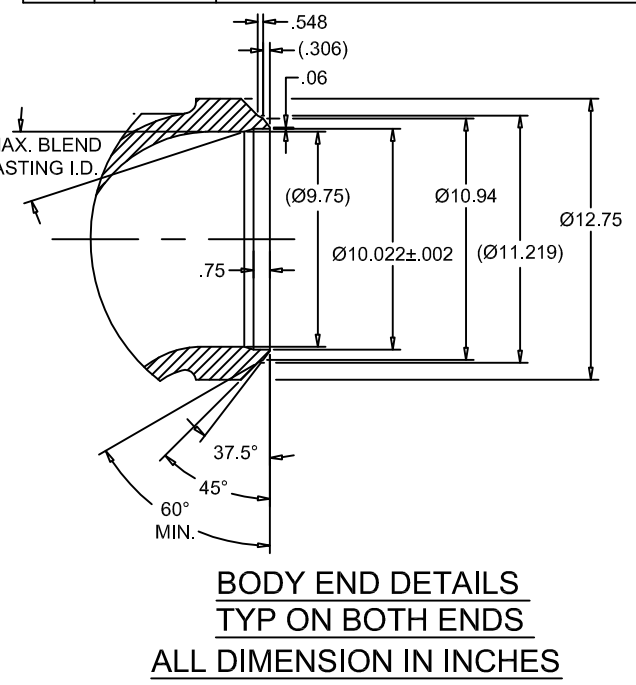
D

C

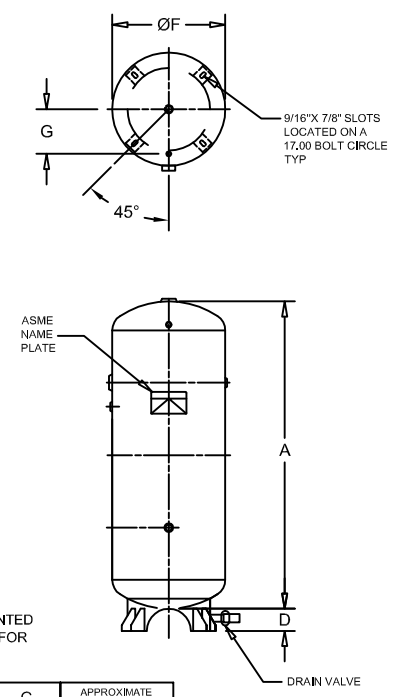
B

A

REV.	DATE	DESCRIPTION	DRAWN	CHKD
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60 GAL VOLUME TANK



NOTE :
MANUFACTURES PORT SIZE WILL
BE REDUCED TO ACCOMMODATE MOUNTED
ACCESSORIES, REFER TO SCHEMATIC FOR
ACCESSORY CONNECTION DETAILS.

	A	D	F	G	APPROXIMATE WEIGHT
in	48.0	2.7	20.0	7.0	196 LBS
mm	1219	68	508	178	89 KG

MODEL	MK I/MGSTRM	DRAWN BY	BJK	DATE	07-06-2016
SIZE	10.00 INCH	CERTIFIED BY	SG		
RATING	STD 300	S75.08.05	DATE	07-06-2016	
END PREP.	BW SCH 40	THIRD ANGLE PROJECTION			
TRIM TYPE	P/B O-RING				
TRIM NO	CV 8.00B	813			
ACT. SIZE	200 SQ IN				
SPRING	NONE				
AIR ACTION	OPEN				
FAIL MODE	CLOSE				
		TOLERANCES DECIMALS: IN/[mm] .X ±.25/[6.4] .XX ±.12/[3.1] .XXX ±.06/[1.5] ANGLES: ±1/2°			

ITEM	DESCRIPTION	QTY	PART NO	MATERIAL CODE
1	190918.076.0411209	1	A-216-WCC	
2	253716.156.000	1	A-479-410	
3	253967.CV3.000	1	A-473-B41000	
4	132010.156.0001209	1	A-479-410	
5	046935.127.0411209	1	A-475-710	
6	253718.CV8.0001209	1	A-475-710	
7	002382.868.000	1	Gasket, Spiral Wound	
8	005642.868.000	1	Gasket, Spiral Wound	
9	002381.868.000	1	Gasket, Spiral Wound	
10	006664.LTS.000	1	Rubber, Kalrez	
11	094363.C77.000	2	Plastic, PEEK, Xytrex 451	
12	161016.028.0411209	1	A-516-2	
13	098954.C.6.002	4	A-374-350	
14	002374.028.041	1	A-516-70	
15	002376.825.000	1	Stellite #6 Casting	
16	000458.842.000	3	Grafoil	
17	000368.150.000	1	316 Stainless Steel	
18	002450.CDT.000	1	Packing, Carlock 1303 FEP	
19	099424.150.000	2	316 Stainless Steel	
20	020925.150.000	1	316 Stainless Steel	
21	020923.150.000	1	316 Stainless Steel	
22	020922.150.000	1	316 Stainless Steel	
23	020921.150.000	1	316 Stainless Steel	
24	001283.015.002	4	SAE Grade 5	
25	106216.012.0021209	8	A-193-B7	
26	003892.012.002	1	A-193-B7	
27	017553.012.0021209	4	A-193-B7	
28	002383.014.0021209	12	A-194-2H	
29	005110.014.002	4	A-194-2H	
30	002442.153.000	1	302 Stainless Steel	
31	017726.300.040	1	Iron, Ductile	
32	046851.609.008	1	Aluminum	
33	008898.159.000	1	A-36-416	
34	007733.053.000	1	Aluminum	
35	004068.601.003	1	Aluminum	
36	272210.151.000	1	304 Stainless Steel	
37	272209.151.000	1	304 Stainless Steel	
38	222516.999.000	1	Purchased Item	
39	044411.095.000	1	Stainless Steel 18-8	
40	004403.196.000	1	Stainless Steel 18-8	
41	004730.195.000	1	Stainless Steel 18-8	
42	015548.652.000	1	Rubber, Neoprene	
43	134257.211.000	1	A-743-CF8M	
44	254784.151.000	1	304 Stainless Steel	
45	017740.431.000	2	Bronze, B-438, Gr1	
46	001577.028.002	1	Steel, Carbon	
47	001716.650.000	2	Rubber, Buna-N	
48	001312.650.000	1	Rubber, Buna-N	
49	001718.650.000	1	Rubber, Buna-N	
50	005494.650.000	1	Rubber, Buna-N	
51	338926.999.000	1	Purchased Item	
52	272208.029.040	1	Steel, Carbon	
53	102896.029.040	1	Steel, Carbon	
54	034759.029.040	1	Steel, Carbon	
55	028269.029.002	1	Steel, Carbon	
56	055578.999.000	1	Purchased Item	
57	102897.999.040	1	Purchased Item	
58	138114.999.000	1	Purchased Item	
59	018231.402.000	1	Bronze, B-16-HO2	
60	233673.151.000	1	304 Stainless Steel	
61	214130.999.000	1	Purchased Item	
62	073924.999.000	1	Purchased Item	
63	076407.999.000	2	Purchased Item	
64	121582.999.000	1	Purchased Item	
65	001889.015.002	6	SAE Grade 5	
66	007533.010.002	4	SAE Grade 2, 4, or 5	
67	003830.196.000	1	Stainless Steel 18-8	
68	001357.013.002	1	Mild Steel	
69	244863.999.000	1	Purchased Item	
70	017038.029.000	1	Steel, Carbon	
71	001885.676.000	1	Plastic, Tubing	
72	348936.925.000	1	Plastic, PTFE	
73	007534.006.000	6	Aluminum	
74	048671.913.000	1	Rubber, Neoprene	
75	075385.159.000	1	A-582-416	
76	007735.029.040	1	Steel, Carbon	
77	034747.402.000	1	Bronze, B-16-HO2	
78	001886.925.000	2	Plastic, PTFE	
79	002114.999.000	1	Purchased Item	
80	001184.675.000	1	Plastic, Mylar	
81	348620.029.040	1	Steel, Carbon	
82	075384.402.000	1	Bronze, B-16-HO2	
83	075352.029.040	1	Steel, Carbon	
84	023478.431.000	1	Bronze, B-438, Gr1	
85	342894.999.000	1	Purchased Item	
86	348965.999.040	1	Purchased Item	
87	019146.913.000	1	Rubber, Neoprene	
88	348615.999.465	1	Purchased Item	
89	003833.013.002	1	Mild Steel	
90	005771.029.002	2	Steel, Carbon	
91	001200.010.002	2	SAE Grade 2, 4, or 5	
92	216069.999.000	1	Purchased Item	
93	001810.012.002	4	A-193-B7	
94	007518.195.000	4	Stainless Steel 18-8	
95	001819.195.000	2	Stainless Steel 18-8	
96	185159.195.000	1	Stainless Steel 18-8	
97	004390.195.000	2	Stainless Steel 18-8	
98	004475.010.002	2	SAE Grade 2, 4, or 5	
99	034142.195.000	1	Stainless Steel 18-8	
100	106286.195.000	1	Stainless Steel 18-8	
101	001819.010.002	2	SAE Grade 2, 4, or 5	
102	002482.010.002	4	SAE Grade 2, 4, or 5	
103	032496.029.002	4	Steel, Carbon	
104	003833.013.002	1	Mild Steel	
105	187900.999.000	2	Purchased Item	