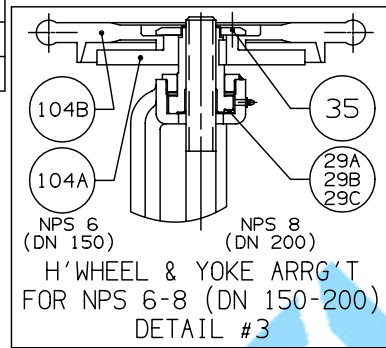
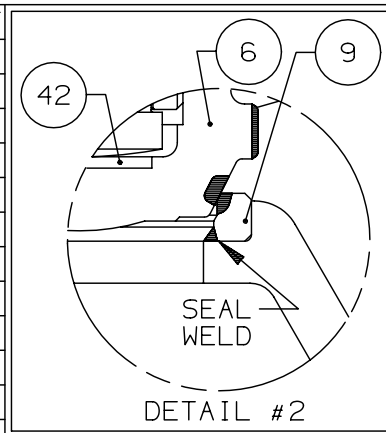


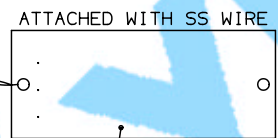
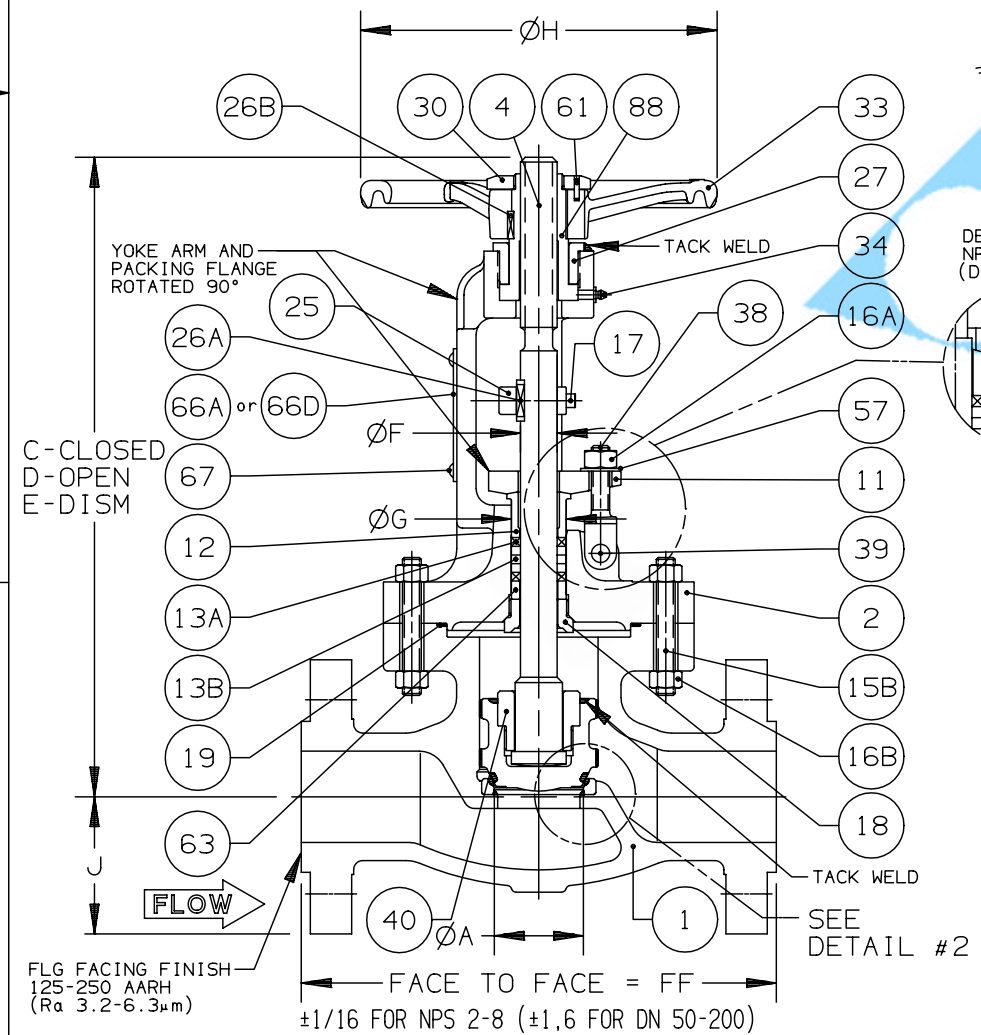
NPS	ØA	FF	C	D	E	ØF	ØG	ØH	J	Cv	WEIGHT	
											Lb	Kg
2	2.00	10.50	15.52	16.80	20.00	0.75	1.25	8	3.25	35	60	
2 1/2	2.50	11.50	15.77	17.05	20.25	0.87	1.37	10	3.75	60	72	
3	3.00	12.50	16.86	18.36	22.00	1.00	1.50	10	4.12	92	114	
4	4.00	14.00	19.24	20.86	25.50	1.12	1.75	14	5.00	180	171	
6	6.00	17.50	24.13	26.13	31.75	1.37	2.00	24	6.25	430	337	
8	8.00	22.00	28.50	31.68	38.25	1.62	2.37	24	7.50	810	565	
DN										Kv	Kg	
50	50.8	266.7	394.2	426.7	508.0	19.1	31.8	203	82.6	30	27	
65	63.5	292.1	400.6	433.1	514.4	22.1	34.8	254	96.4	51	33	
80	76.2	317.5	428.2	466.3	558.8	25.4	38.1	254	104.8	78	52	
100	101.6	355.6	488.7	529.8	647.7	28.6	44.5	356	127.0	153	78	
150	152.4	444.5	612.9	663.7	806.5	34.9	50.8	610	158.8	366	153	
200	203.2	558.8	723.9	804.7	971.6	41.3	60.3	610	190.5	689	257	



			MATERIAL LIST		(02TY-300)
PART	DESCRIPTION	QTY	MATERIAL	MATL SPEC	REMARKS
1	BODY	1	WCB	ASTM A216	
2	BONNET	1	WCB	ASTM A216	
4	STEM	1	410 (COND.2)	ASTM A479	
6	DISC	1	CA-15	ASTM A217	
	C/W HARDFACE GUIDE		WCB	ASTM A216	13%Cr. FACE
9	SEAT	1	CS / GR B	ASTM A105/A106	STLT 6 FACE
11	PACKING FLANGE	1	CS	ASTM A105	
12	GLAND BUSHING	1	CS	ASTM A108	
13A	PACKING RING	2	BRAIDED GRAPHITE		
13B	PACKING RING	3	DIE-FORMED FLEXIBLE GRAPHITE		
15A	GLAND STUD	2	GR B7	ASTM A193	NPS 2, 2.5(DN50,65)ONLY
15B	BODY/BONNET STUD	-	GR B7	ASTM A193	
16A	GLAND NUT	2	GR 2H	ASTM A194	NPS 2, 2.5(DN50,65)QTY.6
16B	BODY/BONNET NUT	-	GR 2H	ASTM A194	
17	TORQUE ARM SHCS	2	ALLOY STEEL	ASTM A574	
18	BACKSEAT	1	410	ASTM A479	HARDENED
19	GASKET	1	316L or 347/GRAPHITE	SPIRAL WOUND	
25	TORQUE ARM	1	CS	ASTM A36	ZINC PLATED
26A	TORQUE ARM KEY	1	C1040/1045	ASTM A108	
26B	STEM NUT KEY	1	C1040/1045	ASTM A108	
27	YOKE BUSHING	1	CS	ASTM A108	
29A	BEARING	1-2	TORRINGTON	NTA-4458	SEE DETAIL 3
29B	THRUST RACE	2-3	TORRINGTON	TRA-4458	
29C	THRUST RACE	1	TORRINGTON	TRC-4458	NPS 8 (DN 200) ONLY
30	HANDWHEEL NUT	1	MALL. IRON	ASTM A47	
33	HANDWHEEL	1	MALL. IRON	ASTM A47	NPS 2-4 (DN 50-100)
34	GREASE FITTING	1	1743-B	ALEMITE	OR EQUAL
35	SET SCREW	1	ALLOY STEEL	ASTM F912	
38	GLAND EYEBOLT	2	GR B	ASTM A307	NPS 3-8 (DN 80-200)
39	GROOVE PIN	2	CS	ASTM A108	NPS 3-8 (DN 80-200)
40	DISC UNION	1	CS	ASTM A105/A108	
42	DISC PAD (MFG OPT.)	1	630 (H1150D)	ASTM A564	NPS 6-8(DN 150-200)
57	WASHER	2	CS	SAE TYPE	
61	SPRING PIN	1	SPRING STEEL	ASME B18.8.2	1/8" DIA. x3/4" LG
63	PACKING SPACER	1	CS	ASTM A105	
66A	NAME PLATE	1	302-304	ASTM A240	
66B	TAG PLATE	1	302-304	ASTM A240	OPTIONAL
66D	CE NAME PLATE	1	302-304	ASTM A240	
67	RIVET	2	302-304	ASTM A276	ALT. SPOTWELDED
88	STEM NUT	1	TYPE D-2C	ASTM A439	
104A	ANVIL	1	DUCTILE IRON	ASTM A536	NPS 6-8
104B	HAMMERWHEEL	1	DUCTILE IRON	ASTM A536	(DN 150-200)

NOTES:

- VALVES DESIGN IN ACCORDANCE WITH ASME B16.34 AND API 600 (MIN. WALL THICKNESS IS TO API 600), AND BRITISH STANDARD BS 1873.
- THE "CE" MARK SHALL BE AFFIXED TO THE VALVE FOR THE COUNTRY WHERE APPLICABLE



- THIS IS A GENERIC DRAWING / REFERENCE ONLY
 - NOT FOR MANUFACTURING / SIZING
 - DUE TO THE POSSIBILITY OF DESIGN MODIFICATIONS
 - VELAN WILL NOT ACCEPT ANY LIABILITY FOR THE PRODUCTION
 - BETWEEN THIS DRAWING AND THE PRODUCTION
 - CONSULT ENGINEERING DEPARTMENT FOR
 APPLICATIONS

REV	DESCRIPTION	DATE	DWN	APVD	IR CERT
7496-735	7495-732				
7493-754	7492-762				
7490-737	7491-713				
REF NO	MASTER DWG-4F-1074C-02TY-01				

VELAN ORDER NO: .	ORDER NO:
CUSTOMER:	JOB NO:
PROJECT:	

VELAN	DRAWN : C.A. 02-07-19
	APVD : C.B. 04-05-05
NPS 2-8 / DN 50-200 (FLANGED ENDS)	IND REV CERTIFIED: J.D. 04-05-05
CAST STEEL GLOBE VALVES	DWG NO : 4F-1074C-02TY-01
	SHEET 1 OF 1
CLASS 300 / PN 50	REV.A DATE:04-05-05