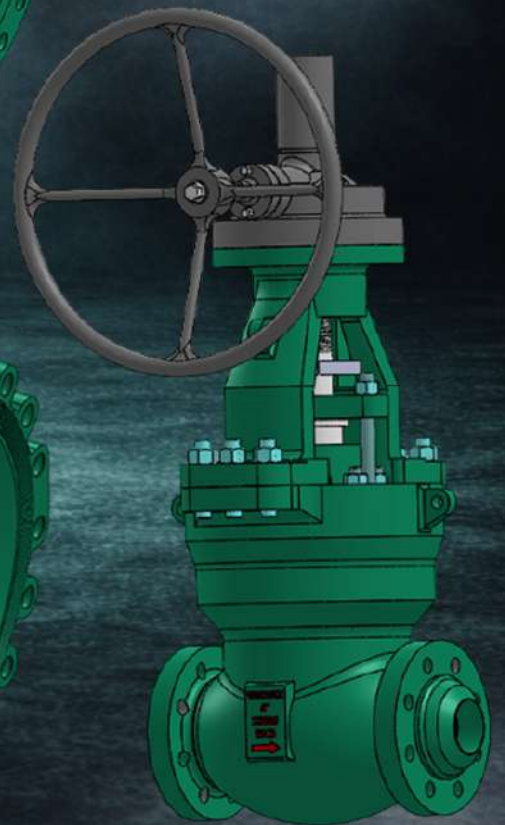
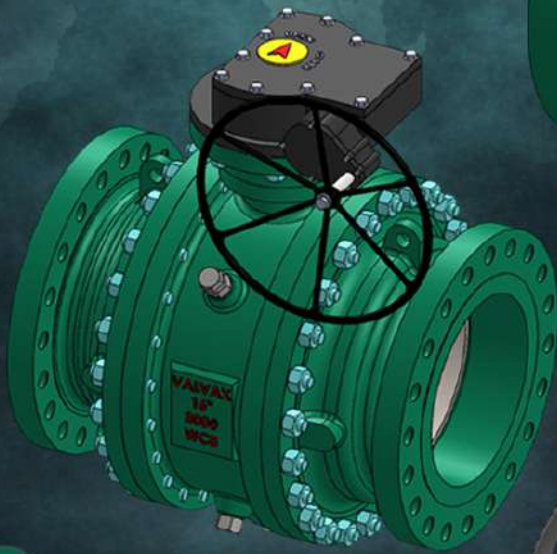
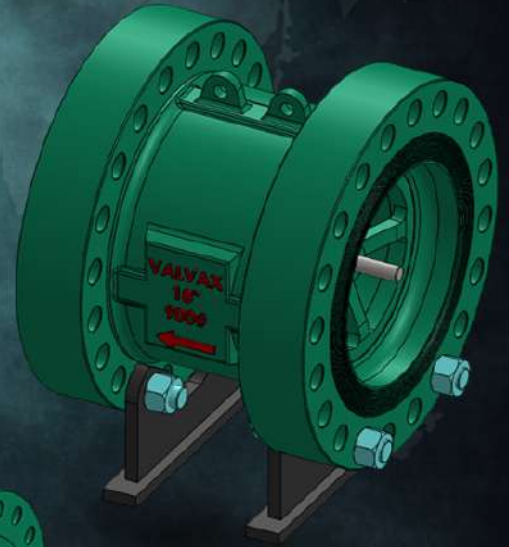


VALVAX

Engineers Pvt. Ltd.



Company Profile

Valvax Engineers Pvt Ltd is a new-generation precision valve manufacturer established in 2025. Built on a foundation of 25 years of industry expertise, we are dedicated to designing, manufacturing, and supplying mission-critical valve solutions for the world's most demanding applications.

In industries where failure is not an option, Valvax provides solutions that ensure safe, efficient, and reliable fluid management across critical infrastructure and industrial processes.

OUR MISSION

Flow. Quality. Certainty.

We are on a mission to become India's premier manufacturer of check valves and metal-seated valves, delivering excellence to domestic and global markets with unwavering commitment to quality, innovation, and reliability.

Headquarters: **Thane, Maharashtra, India**

Manufacturing Facility: **Khopoli, Maharashtra, India**

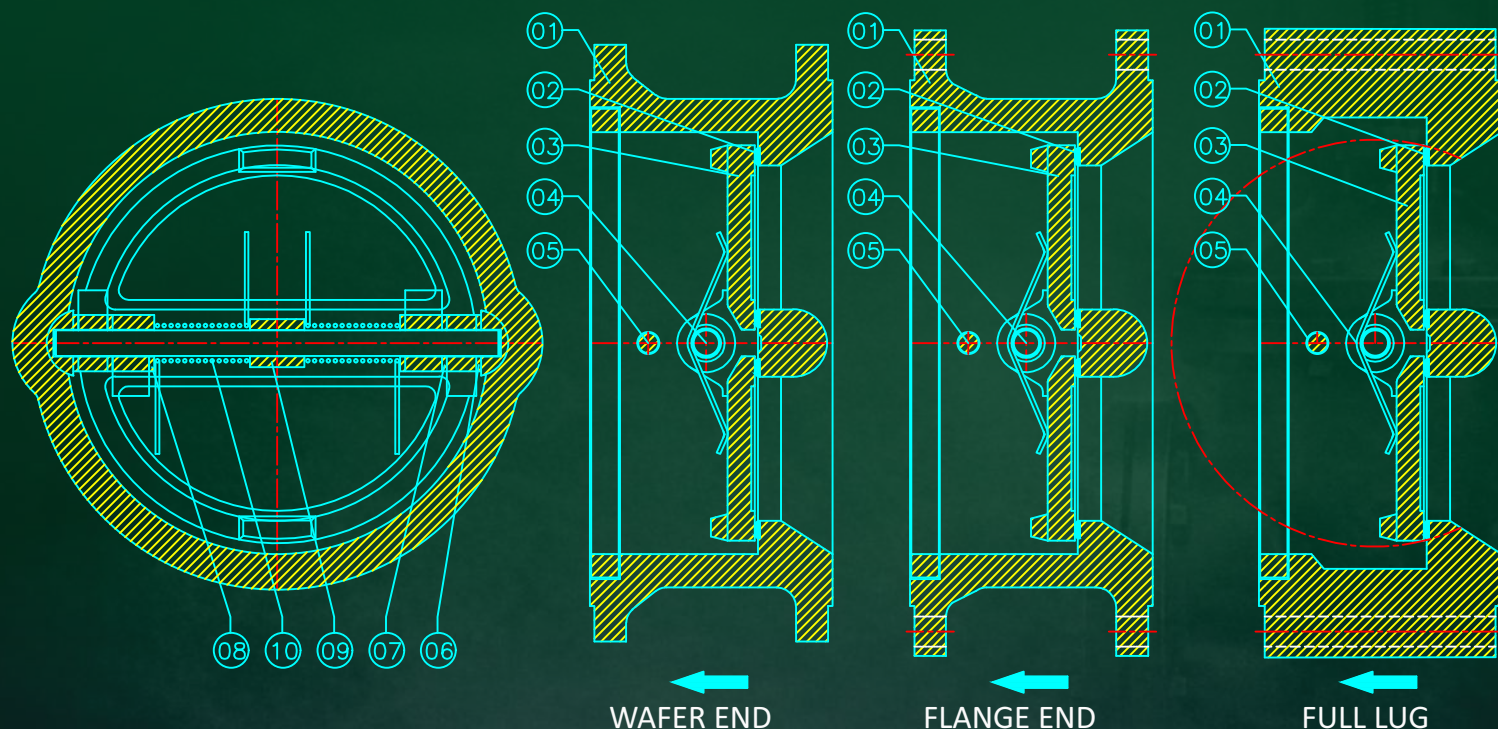
Year Established: **2025**

Team Expertise: **32 Years in Valve Manufacturing**

Primary Markets: **India, Bahrain, Kingdom of Saudi Arabia (KSA), Oman**

DUAL PLATE CHECK VALVE, RETAINER LESS, METAL SEATED
TYPE : WAFER / LUG / DOUBLE FLANGE

VALVAX



REFERENCE STANDARD	
MFG. STD	API 594
FACE TO FACE	API 594
FLANGE END	ASME B16.5
FLANGE RTJ END	ASME B16.5
BUTT WELD END	ASME B16.25
INSP. & TEST.	API 598
PRESS & TEMP.	ASME B16.34

TECHNICAL NOTES:

1. RETAINER LESS METAL SEATED.
2. INTEGRAL SEAT RING WITH BODY SHALL BE PROVIDED.
3. SEAT AND DISC STELLITING AS PER API 594 TRIM TABLE.
4. LIFTING HOOK SHALL BE PROVIDED WHEN VALVE WEIGHT SHALL BE MORE THAN 25 Kgs.

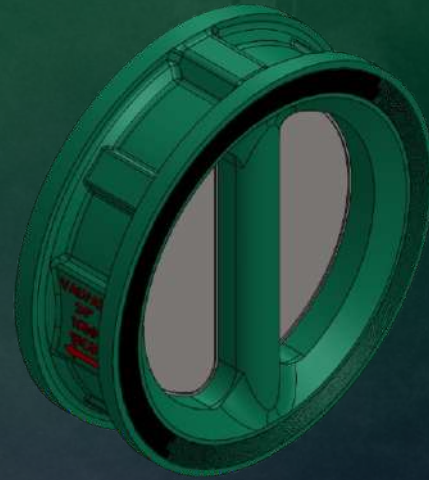
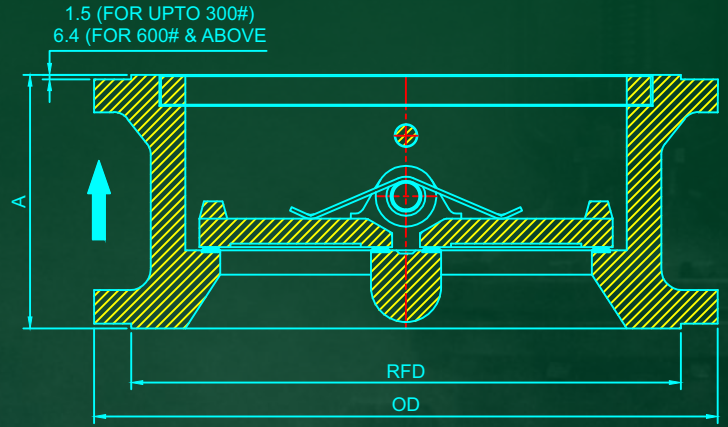
SR. NO.	DESCRIPTION	MATERIAL OF CONSTRUCTION			
		CARBON STEEL	ALLOY STEEL	STAINLESS STEEL	DUPLEX
01	BODY	ASTM A216 GR.WCB	ASTM A217 GR.WC9	ASTM A351 GR.CF8M	ASTM A995 GR.5A
02	SEAT RING	INTEGRAL WITH BODY+ STELLITED 6	INTEGRAL WITH BODY+ STELLITED 6	INTEGRAL WITH BODY+ STELLITED 6	ASTM A995 GR.5A
03	DISC	ASTM A216 GR.WCB + OVERLAY 13% Cr. OR ASTM A217 GR.CA15	ASTM A217 GR.WC9 + STELLITED 6	ASTM A351 GR.CF8M OR STELLITED 6	ASTM A182 GR.F53
04	HINGE PIN	ASTM A182 GR.F6a	ASTM A182 GR.F6a	SS 316	ASTM A182 GR.F53
05	STOPPER PIN	ASTM A182 GR.F6a	ASTM A182 GR.F6a	SS 316	ASTM A182 GR.F53
06	BODY WASHER	ASTM A182 GR.F6a	ASTM A182 GR.F6a	SS 316	ASTM A182 GR.F53
07	DISC WASHER	ASTM A182 GR.F6a	ASTM A182 GR.F6a	SS 316	ASTM A182 GR.F53
08	SPRING WASHER	ASTM A182 GR.F6a	ASTM A182 GR.F6a	SS 316	ASTM A182 GR.F53
09	SPACER BUSH	ASTM A182 GR.F6a	ASTM A182 GR.F6a	SS 316	ASTM A182 GR.F53
10	SPRING	INCONEL X-750			

DPCV-WAFER TYPE

150#, 300#, 600#, 900#, 1500# AND 2500#

VALVAX

	SIZE		A	FLANGE		WT. Kg	HYDRO TEST		MODEL NO.
	SIZE	WAFER	OD	RFD	APPX.	SHELL	SEAT		
DIMENSIONS DETAIL, 150#	2"	50	60	105	92.1	3	32 Kg/cm ²	22 Kg/cm ²	VEPL-DPCV-WF-1201
	2.5"	65	67	124	104.8	5			
	3"	80	73	137	127.0	5			
	4"	100	73	175	157.2	8			
	5"	125	--	--	--	--			
	6"	150	98	222	215.9	14			
	8"	200	127	279	269.9	26			
	10"	250	146	340	323.8	44			
	12"	300	181	410	381.0	80			
	14"	350	184	451	412.8	86			
	16"	400	191	514	469.9	112			
	18"	450	203	549	533.4	136			
DIMENSIONS DETAIL, 300#	2"	50	60	111	92.1	3	78 Kg/cm ²	58 Kg/cm ²	VEPL-DPCV-WF-1202
	2.5"	65	67	130	104.8	5			
	3"	80	73	149	127.0	6			
	4"	100	73	181	157.2	8			
	5"	125	--	--	--	--			
	6"	150	98	251	215.9	18			
	8"	200	127	308	269.9	32			
	10"	250	146	362	323.8	52			
	12"	300	181	422	381.0	109			
	14"	350	222	486	412.8	123			
	16"	400	232	540	469.9	159			
	18"	450	264	597	533.4	233			
20"	500	292	654	584.2	295				
24"	600	318	775	692.2	476				

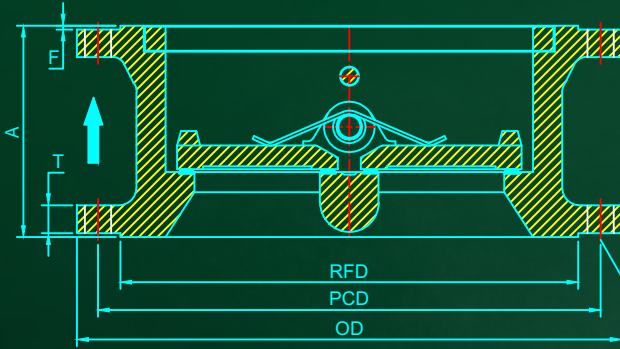


	SIZE		A	FLANGE		WT. Kg	HYDRO TEST		MODEL NO.
	SIZE	WAFER	OD	RFD	APPX.	SHELL	SEAT		
DIMENSIONS DETAIL, 600#	2"	50	60	111	92.1	3	159 Kg/cm ²	115 Kg/cm ²	VEPL-DPCV-WF-1203
	2.5"	65	67	130	104.8	5			
	3"	80	73	149	127.0	6			
	4"	100	79	194	157.2	11			
	5"	125	--	--	--	--			
	6"	150	136	267	215.9	28			
	8"	200	165	321	269.9	49			
	10"	250	213	400	323.8	93			
	12"	300	229	457	381.0	125			
	14"	350	273	492	412.8	180			
	16"	400	305	565	469.9	259			
	18"	450	362	613	533.4	354			
DIMENSIONS DETAIL, 900#	2"	50	70	143	92.1	5	235 Kg/cm ²	172 Kg/cm ²	VEPL-DPCV-WF-1204
	2.5"	65	83	--	104.8	9			
	3"	80	83	168	127.0	10			
	4"	100	102	206	157.2	80			
	5"	125	--	--	--	--			
	6"	150	159	289	215.9	130			
	8"	200	206	359	269.9	215			
	10"	250	241	435	323.8	345			
	12"	300	292	498	381.0	470			
	14"	350	356	521	412.8	685			
	16"	400	384	575	469.9	998			
	18"	450	451	638	533.4	1050			
20"	500	451	699	584.2	1220				
24"	600	495	838	692.2	--				

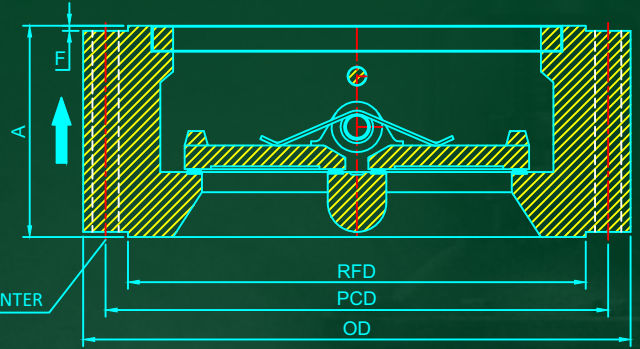
	SIZE		A	FLANGE		WT. Kg	HYDRO TEST		MODEL NO.
	SIZE	WAFER	OD	RFD	APPX.	SHELL	SEAT		
DIMENSIONS DETAIL, 1500#	2"	50	70	146	92.1	5	391 Kg/cm ²	287 Kg/cm ²	VEPL-DPCV-WF-1205
	2.5"	65	83	--	104.8	9			
	3"	80	83	175	127.0	10			
	4"	100	102	210	157.2	17			
	5"	125	--	--	--	--			
	6"	150	159	283	215.9	47			
	8"	200	206	352	269.9	93			
	10"	250	248	435	323.8	169			
	12"	300	305	521	381.0	290			
	14"	350	356	478	412.8	402			
	16"	400	384	641	469.9	562			
	18"	450	468	705	533.4	805			
DIMENSIONS DETAIL, 2500#	2"	50	70	146	92.1	6	651 Kg/cm ²	478 Kg/cm ²	VEPL-DPCV-WF-1206
	2.5"	65	83	--	104.8	10			
	3"	80	86	197	127.0	12			
	4"	100	105	235	157.2	22			
	5"	125	--	--	--	--			
	6"	150	159	318	215.9	65			
	8"	200	206	387	269.9	128			
	10"	250	254	476	323.8	249			
	12"	300	305	549	381.0	420			
	14"	350	--	--	--	--			
	16"	400	--	--	--	--			
	18"	450	--	--	--	--			
20"	500	--	--	--	--				
24"	600	--	--	--	--				

**DPCV-FLANGE AND LUG END
CLASS 150 & CLASS 300**

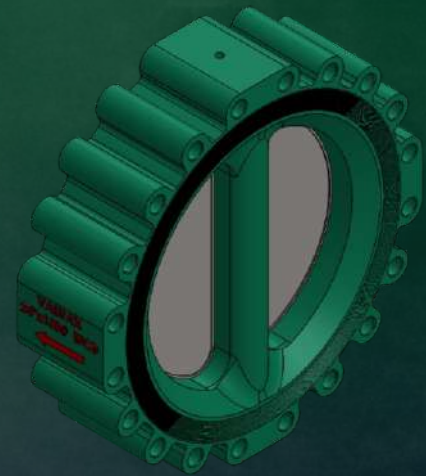
VALVAX



FLANGE END



FULL LUG END



	SIZE		FACE TO FACE		FLANGE DETAILS, ASME B16.5							WT. Kg APPX.		HYDRO TEST		
			A (FE)	A (LUG)	OD	PCD	RFD	T	ØH	N	F	FE	LUG	SHELL	SEAT	
DIMENSIONS DETAIL, 150#	2"	50	114	60	152	120.6	92.1	14.3	19	04	1.5	19	4	32 Kg/cm ²	22 Kg/cm ²	MODEL NO. VEPL-DPCV-WF-1211
	2.5"	65	--	67	178	139.7	104.8	15.7	19	04	1.5	--	--			
	3"	80	121	73	190	152.4	127.0	17.5	19	04	1.5	28	8			
	4"	100	121	73	229	190.5	157.2	22.4	19	08	1.5	30	15			
	5"	125	--	--	--	--	--	--	--	--	--	--	--			
	6"	150	130	98	279	241.3	215.9	23.9	22	08	1.5	39	24			
	8"	200	127	127	343	298.4	269.9	26.9	22	08	1.5	35	41			
	10"	250	146	146	406	362.0	323.8	28.4	25	12	1.5	65	73			
	12"	300	181	181	483	431.8	381.0	30.2	25	12	1.5	100	132			
	14"	350	184	184	533	476.2	412.8	33.3	29	12	1.5	123	152			
DIMENSIONS DETAIL, 300#	2"	50	114	60	165	127.0	92.1	20.6	19	08	1.5	15	6	78 Kg/cm ²	58 Kg/cm ²	MODEL NO. VEPL-DPCV-WF-1212
	2.5"	65	--	67	190	149.4	104.8	23.9	22	08	1.5	--	--			
	3"	80	121	73	210	168.1	127.0	26.9	22	08	1.5	30	11			
	4"	100	121	73	254	200.2	157.2	30.2	22	08	1.5	35	16			
	5"	125	--	--	--	--	--	--	--	--	--	--	--			
	6"	150	130	98	318	269.7	215.9	35.1	22	12	1.5	65	31			
	8"	200	152	127	381	330.2	269.9	39.6	25	12	1.5	95	52			
	10"	250	178	146	444	387.4	323.8	46.0	29	16	1.5	135	100			
	12"	300	181	181	521	450.8	381.0	49.3	32	16	1.5	142	170			
	14"	350	222	222	584	514.4	412.8	52.3	32	20	1.5	208	286			
	16"	400	232	232	648	571.5	469.9	55.6	35	20	1.5	306	352			
	18"	450	264	264	711	628.6	533.4	58.7	35	24	1.5	352	490			
	20"	500	292	292	775	685.8	584.2	62.0	35	24	1.5	450	651			
	24"	600	318	318	914	812.8	692.2	68.3	41	24	1.5	699	839			

DPCV-FLANGE AND LUG END

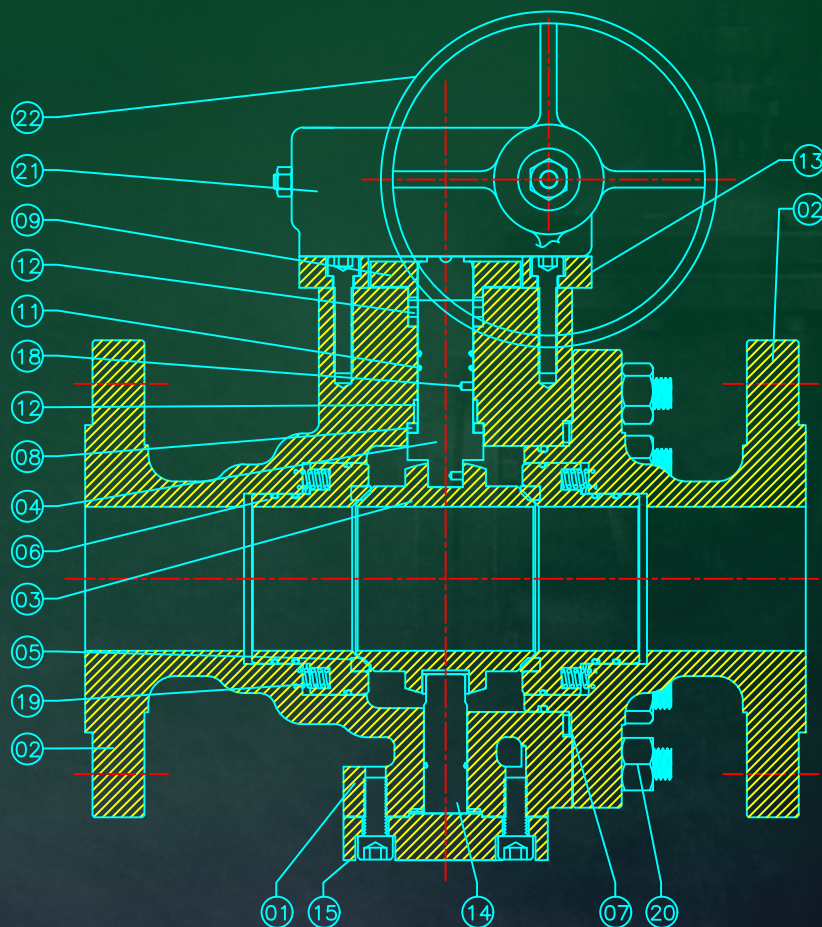
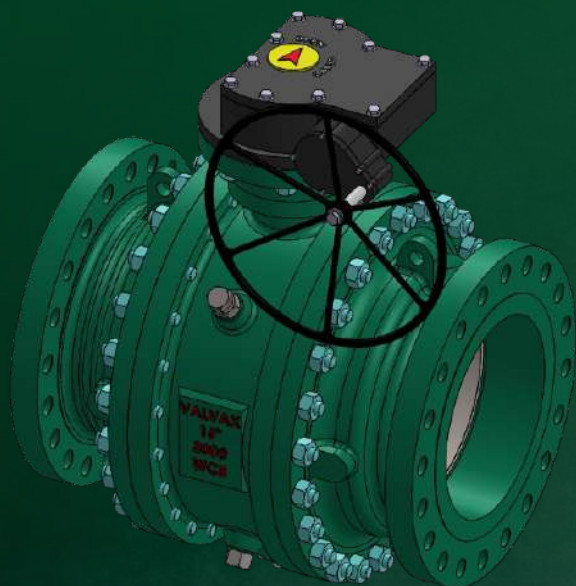
CLASS 600 , CLASS 900 , CLASS 1500 & CLASS 2500



	SIZE		FACE TO FACE		FLANGE DETAILS, ASME B16.5							WT. Kg APPX.		HYDRO TEST		
			A (FE)	A (LUG)	OD	PCD	RFD	T	ØH	N	F	FE	LUG	SHELL	SEAT	
DIMENSIONS DETAIL, 600#	2"	50	121	60	165	127.0	92.1	25.4	19	08	6.4	16	6	159 Kg/cm ²	115 Kg/cm ²	MODEL NO. VEPL-DPCV-WF-1213
	2.5"	65	--	67	190	149.4	104.8	28.4	22	08	6.4	--	10			
	3"	80	143	73	210	168.1	127.0	31.8	22	08	6.4	22	11			
	4"	100	165	79	273	215.9	157.2	38.1	25	08	6.4	29	16			
	5"	125	--	--	--	--	--	--	--	--	--	--	--			
	6"	150	194	136	356	292.1	215.9	47.8	29	12	6.4	70	55			
	8"	200	219	165	419	349.2	269.9	55.6	32	12	6.4	159	93			
	10"	250	244	213	508	431.8	323.8	63.5	35	16	6.4	181	173			
	12"	300	229	229	559	489.0	381.0	66.5	35	20	6.4	223	256			
	14"	350	273	273	603	527.0	412.8	69.8	38	20	6.4	283	356			
	16"	400	305	305	686	603.2	469.9	76.2	42	20	6.4	408	510			
	18"	450	362	362	743	654.0	533.4	82.6	45	20	6.4	551	710			
	20"	500	368	368	813	723.9	584.2	88.9	45	24	6.4	686	862			
24"	600	438	438	940	838.2	692.2	101.6	50	24	6.4	1082	2631				
DIMENSIONS DETAIL, 900#	2"	50	165	70	216	165.1	92.1	38.1	25	08	6.4	22	14	235 Kg/cm ²	172 Kg/cm ²	MODEL NO. VEPL-DPCV-WF-1214
	2.5"	65	--	83	244	190.5	104.8	41.1	29	08	6.4	--	19			
	3"	80	165	83	241	190.5	127.0	38.1	25	08	6.4	39	22			
	4"	100	197	102	292	235.0	157.2	44.5	32	08	6.4	45	29			
	5"	125	--	--	--	--	--	--	--	--	--	--	--			
	6"	150	219	159	381	317.5	215.9	55.6	32	12	6.4	175	95			
	8"	200	254	206	470	393.7	269.9	63.5	38	12	6.4	242	172			
	10"	250	267	241	546	469.9	323.8	69.8	38	16	6.4	298	283			
	12"	300	292	292	610	533.4	381.0	79.2	38	20	6.4	349	386			
	14"	350	356	356	641	558.8	412.8	85.9	41	20	6.4	562	567			
	16"	400	384	384	705	616.0	469.9	88.9	45	20	6.4	690	748			
	18"	450	451	451	787	685.8	533.4	101.6	50	20	6.4	837	1134			
	20"	500	451	451	857	749.3	584.2	108.0	54	20	6.4	1084	1315			
24"	600	495	495	1041	901.7	692.2	139.7	67	20	6.4	1678	1996				
DIMENSIONS DETAIL, 1500#	2"	50	165	70	216	165.1	92.1	38.1	25	08	6.4	18	14	391 Kg/cm ²	287 Kg/cm ²	MODEL NO. VEPL-DPCV-WF-1215
	2.5"	65	--	83	244	190.5	104.8	41.8	29	08	6.4	25	20			
	3"	80	207	83	267	203.2	127.0	47.8	32	08	6.4	30	24			
	4"	100	225	102	311	241.3	157.2	53.8	35	08	6.4	50	36			
	5"	125	--	--	--	--	--	--	--	--	--	--	--			
	6"	150	292	159	394	317.5	215.9	82.6	38	12	6.4	85	93			
	8"	200	340	206	483	393.7	269.9	91.9	45	12	6.4	125	175			
	10"	250	387	248	584	482.6	323.8	108.0	51	12	6.4	220	354			
	12"	300	435	305	673	571.5	381.0	124.0	54	16	6.4	315	567			
	14"	350	476	356	749	635.0	412.8	133.4	60	16	6.4	450	816			
	16"	400	537	384	826	704.8	469.9	146.0	67	16	6.4	570	1093			
	18"	450	468	468	914	774.7	533.4	162.1	73	16	6.4	725	1519			
	20"	500	533	533	984	831.8	584.2	177.8	80	16	6.4	1050	2631			
24"	600	559	559	1168	990.6	692.2	203.2	92	16	6.4	1310	3174				
DIMENSIONS DETAIL, 2500#	2"	50	225	70	235	171.4	92.1	50.8	29	08	6.4	72	16	651 Kg/cm ²	478 Kg/cm ²	MODEL NO. VEPL-DPCV-WF-1216
	2.5"	65	--	83	267	196.8	104.8	57.2	32	08	6.4	--	25			
	3"	80	280	86	305	228.6	127.0	66.5	35	08	6.4	180	32			
	4"	100	330	105	356	273.0	157.2	76.2	41	08	6.4	265	48			
	5"	125	--	--	--	--	--	--	--	--	--	--	--			
	6"	150	454	159	483	368.3	215.9	108.0	54	08	6.4	302	195			
	8"	200	489	206	552	438.2	269.9	127.1	54	12	6.4	320	263			
	10"	250	622	254	673	539.8	323.8	165.1	67	12	6.4	590	490			
	12"	300	686	305	762	619.3	381.0	184.2	73	12	6.4	629	726			
	14"	350	--	--	--	--	--	--	--	--	--	--	--			
	16"	400	--	--	--	--	--	--	--	--	--	--	--			
	18"	450	--	--	--	--	--	--	--	--	--	--	--			
	20"	500	--	--	--	--	--	--	--	--	--	--	--			
24"	600	--	--	--	--	--	--	--	--	--	--	--				

BALL VALVE, TRUNION TYPE WITH ANTI-STATIC AND ANTI BLOW OUT FIRE SAFE DESIGN

VALVAX



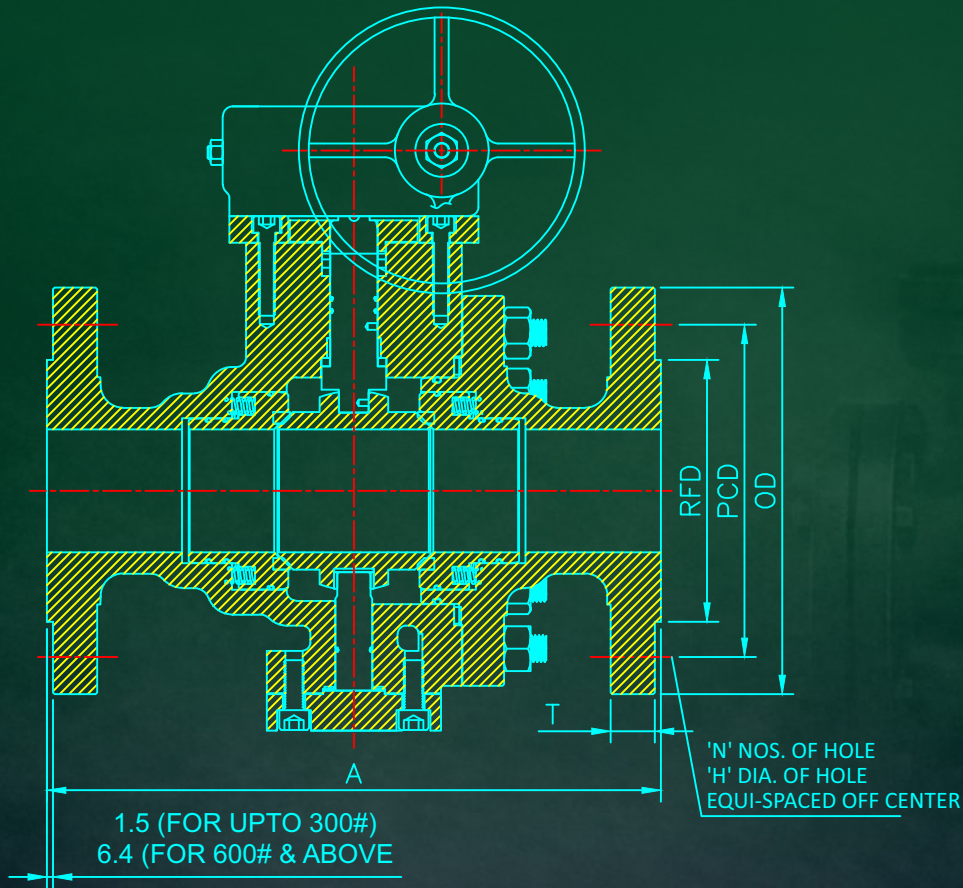
REFERENCE STANDARD

MFG. STD	ISO 17292 / API 6D
FACE TO FACE	ASME B16.10
FLANGE END	ASME B16.5
FLANGE RTJ END	ASME B16.5
BUTT WELD END	ASME B16.25
INSP. & TEST.	API 598
FIRE SAFE	API 607 / API 6FA
PRESS & TEMP.	ASME B16.34

SR. NO.	DESCRIPTION	MATERIAL OF CONSTRUCTION			
		CARBON STEEL	ALLOY STEEL	STAINLESS STEEL	DUPLEX
01	BODY	ASTM A216 GR.WCB	ASTM A217 GR.WC9	ASTM A351 GR.CF8M	ASTM A995 GR.5A
02	ADAPTOR	ASTM A216 GR.WCB	ASTM A217 GR.WC9	ASTM A351 GR.CF8M	ASTM A995 GR.5A
03	BALL	ASTM A351 GR.CF8M	ASTM A351 GR.CF8M	ASTM A351 GR.CF8M	ASTM A182 GR.F53
04	STEM	SS 304 / SS 316	SS 304 / SS 316	SS 316	ASTM A182 GR.F53
05	SEAT INSERT	PTFE / RPTFE / PEEK / DEVLON / NYLON			
06	SEAT RETAINER	ASTM A351 GR.CF8M	ASTM A351 GR.CF8M	ASTM A351 GR.CF8M	ASTM A182 GR.F53
07	GASKET	SPW SS 304 / SS 316 + GRAPHITE FILLED			
08	BOTTOM WASHER	PTFE	PTFE	PTFE	PTFE
09	GLAND BUSH	SS 304 / SS 316	SS 304 / SS 316	SS 316	ASTM A182 GR.F53
10	GLAND PACKING	PTFE	PTFE	PTFE	PTFE
11	SEAT & STEM 'O' RING	VITON	VITON	VITON	VITON
12	STEM & TRUNION BUSH	PTFE	PTFE	PTFE	PTFE
13	TOP MOUNTING PLATE	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL
14	TRUNION	SS 304 / SS 316	SS 304 / SS 316	SS 316	ASTM A182 GR.F53
15	TRUNION COVER	ASTM A216 GR.WCB	ASTM A217 GR.WC9	ASTM A351 GR.CF8M	ASTM A995 GR.5A
16	DRAIN PLUG	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL
17	AIR VENT	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL
18	ANTI STATIC	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL
19	SEAT SPRING	SPRING STEEL	SPRING STEEL	SPRING STEEL	SPRING STEEL
20	JOINT STUD JOINT NUT	ASTM A193 GR. B7 ASTM A194 GR. 2H	ASTM A193 GR. B7 ASTM A194 GR. 2H	ASTM A193 GR. B8M ASTM A194 GR. 8M	ASTM A193 GR. B8M ASTM A194 GR. 8M
21	GEAR BOX	STANDARD	STANDARD	STANDARD	STANDARD
22	HAND WHEEL	CARBON STEEL/MALLEABLE STEEL			

CAST BALL VALVE - TMBV
CLASS 150 , CLASS 300 & CLASS 600

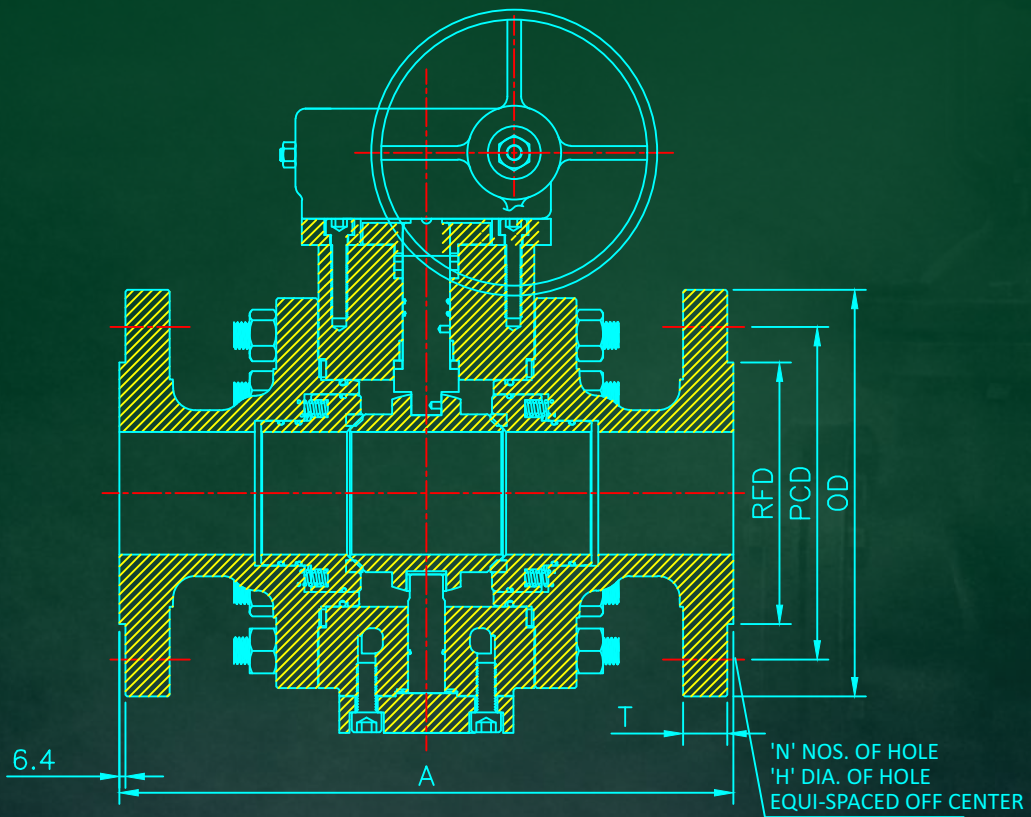
VALVAX



		FLANGE DETAILS, ASME B16.5								LENGTH K APPX.	H APPX.	WT. Kg APPX.	OPERATING SYSTEM	HYDRO TEST		MODEL NO.	
		SIZE	A (FE)	OD	PCD	RFD	T	ØH	N					SHELL	SEAT		
DIMENSIONS DETAIL	150#	6"	150	394	279	241.3	215.9	23.9	22	08	450	275	95	LEVER	32 Kg/cm ²	22 Kg/cm ²	VEPL-TMBV-1011
		8"	200	457	343	298.4	269.9	26.9	22	08	500	375	175	LEVER			
		10"	250	533	406	362.0	323.8	28.4	25	12	450	408	325	GEAR BOX			
		12"	300	610	483	431.8	381.0	30.2	25	12	500	468	435	GEAR BOX			
		14"	350	686	533	476.2	412.8	33.3	29	12	500	505	586	GEAR BOX			
		16"	400	762	597	539.8	469.9	35.1	29	16	500	602	760	GEAR BOX			
		18"	450	864	635	577.8	533.4	38.1	32	16	500	685	932	GEAR BOX			
		20"	500	914	698	635.0	584.2	41.1	32	20	550	750	1235	GEAR BOX			
	24"	600	1067	813	749.3	692.2	46.0	35	20	600	895	1685	GEAR BOX				
	300#	6"	150	403	318	269.7	215.9	35.1	22	12	500	315	150	LEVER	78 Kg/cm ²	58 Kg/cm ²	VEPL-TMBV-1012
		8"	200	502	381	330.2	269.9	39.6	25	12	450	395	275	GEAR BOX			
		10"	250	568	444	387.4	323.8	46.0	29	16	450	450	450	GEAR BOX			
		12"	300	648	521	450.8	381.0	49.3	32	16	500	475	675	GEAR BOX			
		14"	350	762	584	514.4	412.8	52.3	32	20	500	515	1055	GEAR BOX			
		16"	400	838	648	571.5	469.9	55.6	35	20	500	625	1425	GEAR BOX			
		18"	450	914	711	628.6	533.4	58.7	35	24	550	---	---	GEAR BOX			
		20"	500	991	775	685.8	584.2	62.0	35	24	550	---	---	GEAR BOX			
	24"	600	1143	914	812.8	692.2	68.3	41	24	600	---	---	GEAR BOX				
	600#	6"	150	559	356	292.1	215.9	47.8	29	12	---	---	---	GEAR BOX	159 Kg/cm ²	115 Kg/cm ²	VEPL-TMBV-1013
		8"	200	660	419	349.2	269.9	55.6	32	12	---	---	---	GEAR BOX			
		10"	250	787	508	431.8	323.8	63.5	35	16	---	---	---	GEAR BOX			
		12"	300	838	559	489.0	381.0	66.5	35	20	---	---	---	GEAR BOX			
		14"	350	889	603	527.0	412.8	69.8	38	20	---	---	---	GEAR BOX			
		16"	400	991	686	603.2	469.9	76.2	42	20	---	---	---	GEAR BOX			
18"		450	1092	743	654.0	533.4	82.6	45	20	---	---	---	GEAR BOX				
20"		500	1194	813	723.9	584.2	88.9	45	24	---	---	---	GEAR BOX				
24"	600	1397	940	838.2	692.2	101.6	50	24	---	---	---	GEAR BOX					

CAST BALL VALVE - TMBV
CLASS 900 , CLASS 1500 & CLASS 2500

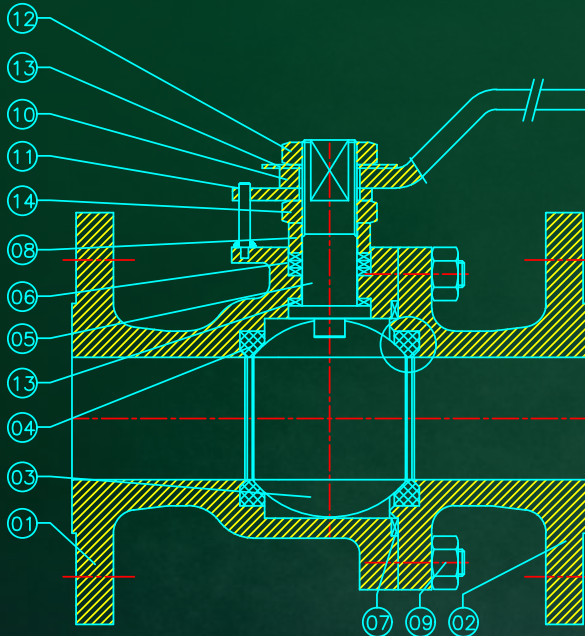
VALVAX



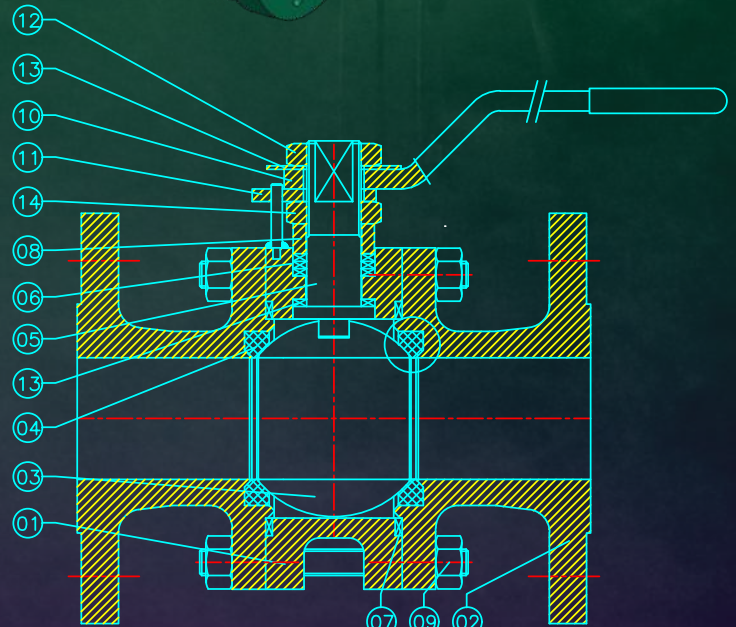
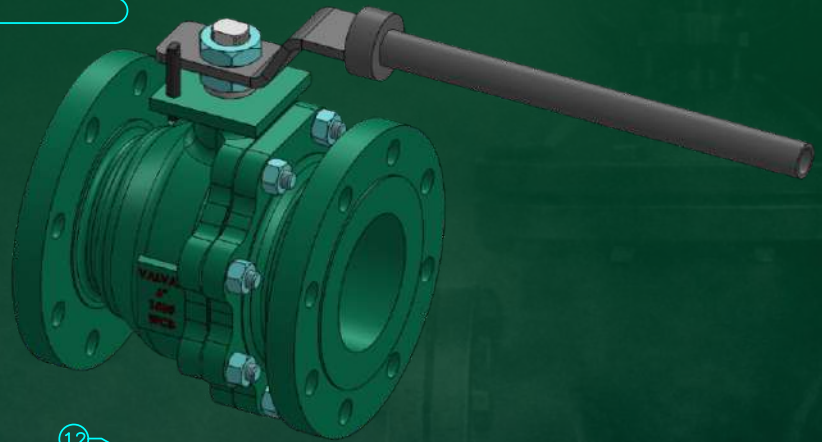
DIMENSIONS DETAIL	SIZE	FACE TO FACE	FLANGE DETAILS, ASME B16.5								LENGTH K APPX.	H APPX.	WT. Kg APPX.	OPERATING SYSTEM	HYDRO TEST		MODEL NO.
			A (FE)	A (RTJ)	OD	PCD	RFD	T	ØH	N					SHELL	SEAT	
900#	2"	50	368	371	216	165.1	92.1	38.1	25	08	250	440	70	LEVER	235 Kg/cm ²	172 Kg/cm ²	VEPL-TMBV-1014
	2.5"	65	419	422	244	190.5	104.8	41.1	29	08	300	525	95	LEVER			
	3"	80	381	384	241	190.5	127.0	38.1	25	08	300	584	105	LEVER			
	4"	100	457	460	292	235.0	157.2	44.5	32	08	400	712	190	LEVER			
	6"	150	610	613	381	317.5	215.9	55.6	32	12	500	927	380	GEAR BOX			
	8"	200	737	740	470	393.7	269.9	63.5	38	12	600	1220	595	GEAR BOX			
	10"	250	838	841	546	469.9	323.8	69.8	38	16	400	1600	975	GEAR BOX			
	12"	300	965	968	610	533.4	381.0	79.2	38	20	450	1752	1275	GEAR BOX			
	14"	350	1029	1039	641	558.8	412.8	85.9	41	20	650	2286	1665	GEAR BOX			
	16"	400	1130	1140	705	616.0	469.9	88.9	45	20	650	2362	2310	GEAR BOX			
	18"	450	1219	1232	787	685.8	533.4	101.6	50	20	700	2450	2880	GEAR BOX			
	20"	500	1321	1334	857	749.3	584.2	108.0	54	20	700	2410	3505	GEAR BOX			
24"	600	1549	1568	1041	901.7	692.2	139.7	67	20	750	2860	4495	GEAR BOX				
1500#	2"	50	368	371	216	165.1	92.1	38.1	25	08	---	---	---	LEVER	391 Kg/cm ²	287 Kg/cm ²	VEPL-TMBV-1015
	2.5"	65	419	422	244	190.5	104.8	41.8	29	08	---	---	---	LEVER			
	3"	80	470	473	267	203.2	127.0	47.8	32	08	---	---	---	GEAR BOX			
	4"	100	546	549	311	241.3	157.2	53.8	35	08	---	---	---	GEAR BOX			
	6"	150	705	711	394	317.5	215.9	82.6	38	12	---	---	---	GEAR BOX			
	8"	200	832	842	483	393.7	269.9	91.9	45	12	---	---	---	GEAR BOX			
	10"	250	991	1001	584	482.6	323.8	108.0	51	12	---	---	---	GEAR BOX			
	12"	300	1130	1146	673	571.5	381.0	124.0	54	16	---	---	---	GEAR BOX			
	14"	350	1257	1276	749	635.0	412.8	133.4	60	16	---	---	---	GEAR BOX			
	16"	400	1384	1406	826	704.8	469.9	146.0	67	16	---	---	---	GEAR BOX			
	18"	450	1537	1559	914	774.7	533.4	162.1	73	16	---	---	---	GEAR BOX			
	20"	500	1664	1686	984	831.8	584.2	177.8	80	16	---	---	---	GEAR BOX			
2500#	2"	50	451	454	235	171.4	92.1	50.8	29	08	---	---	---	GEAR BOX	651 Kg/cm ²	478 Kg/cm ²	VEPL-TMBV-1016
	2.5"	65	508	514	267	196.8	104.8	57.2	32	08	---	---	---	GEAR BOX			
	3"	80	578	584	305	228.6	127.0	66.5	35	08	---	---	---	GEAR BOX			
	4"	100	673	683	356	273.0	157.2	76.2	41	08	---	---	---	GEAR BOX			
	6"	150	914	927	483	368.3	215.9	108.0	54	08	---	---	---	GEAR BOX			
	8"	200	1022	1038	552	438.2	269.9	127.1	54	12	---	---	---	GEAR BOX			
	10"	250	1270	1292	673	539.8	323.8	165.1	67	12	---	---	---	GEAR BOX			
	12"	300	1422	1444	762	619.3	381.0	184.2	73	12	---	---	---	GEAR BOX			

BALL VALVE, FLOATING TYPE WITH ANTI-STATIC AND ANTI BLOW OUT FIRE SAFE DESIGN

VALVAX



2 PIECE BALL VALVE



3 PIECE BALL VALVE

REFERENCE STANDARD

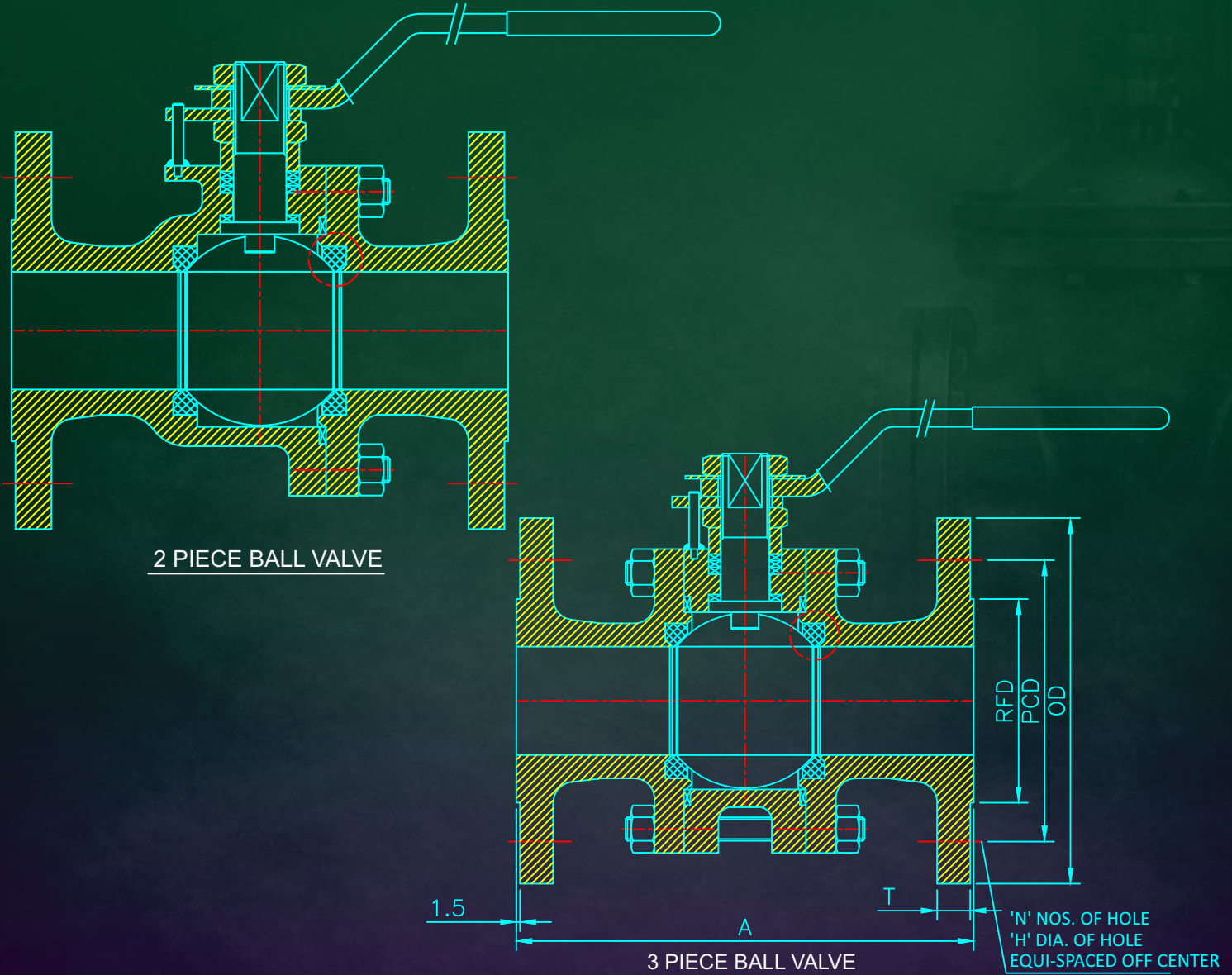
MFG. STD	ISO 17292 / API 6D
FACE TO FACE	ASME B16.10
FLANGE END	ASME B16.5
FLANGE RTJ END	ASME B16.5
BUTT WELD END	ASME B16.25
INSP. & TEST.	API 598
FIRE SAFE	API 607 / API 6FA
PRESS & TEMP.	ASME B16.34

MATERIAL OF CONSTRUCTION

SR. NO.	DESCRIPTION	MATERIAL OF CONSTRUCTION			
		CARBON STEEL	ALLOY STEEL	STAINLESS STEEL	DUPLEX
01	BODY	ASTM A216 GR.WCB	ASTM A217 GR.WC9	ASTM A351 GR.CF8M	ASTM A995 GR.5A
02	ADAPTOR	ASTM A216 GR.WCB	ASTM A217 GR.WC9	ASTM A351 GR.CF8M	ASTM A995 GR.5A
03	BALL	ASTM A351 GR.CF8M	ASTM A351 GR.CF8M	ASTM A351 GR.CF8M	ASTM A182 GR.F53
04	SEAT	PTFE / RPTFE / PEEK / DEVLON / NYLON			
05	STEM	SS 304 / SS 316	SS 304 / SS 316	SS 316	ASTM A182 GR.F53
06	GLAND PACKING	PTFE / GRAPHITE	PTFE / GRAPHITE	PTFE / GRAPHITE	PTFE / GRAPHITE
07	GASKET	SPW SS 304 / SS 316 + GRAPHITE FILLED			
08	GLAND BUSH	SS 304 / SS 316	SS 304 / SS 316	SS 316	ASTM A182 GR.F53
09	JOINT STUD	ASTM A193 GR. B7	ASTM A193 GR. B7	ASTM A193 GR. B8M	ASTM A193 GR. B8M
	JOINT NUT	ASTM A194 GR. 2H	ASTM A194 GR. 2H	ASTM A194 GR. 8M	ASTM A194 GR. 8M
10	HANDLE	FABRICATED STEEL WITH PVC GRIPP			
11	STOPPER PIN	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL
12	HANDLE NUT	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL
13	THRUST WASHER	PTFE	PTFE	PTFE	PTFE
14	GLAND NUT	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL
15	NAME PLATE	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL

CAST BALL VALVE
CLASS 150, CLASS 300 & CLASS 600

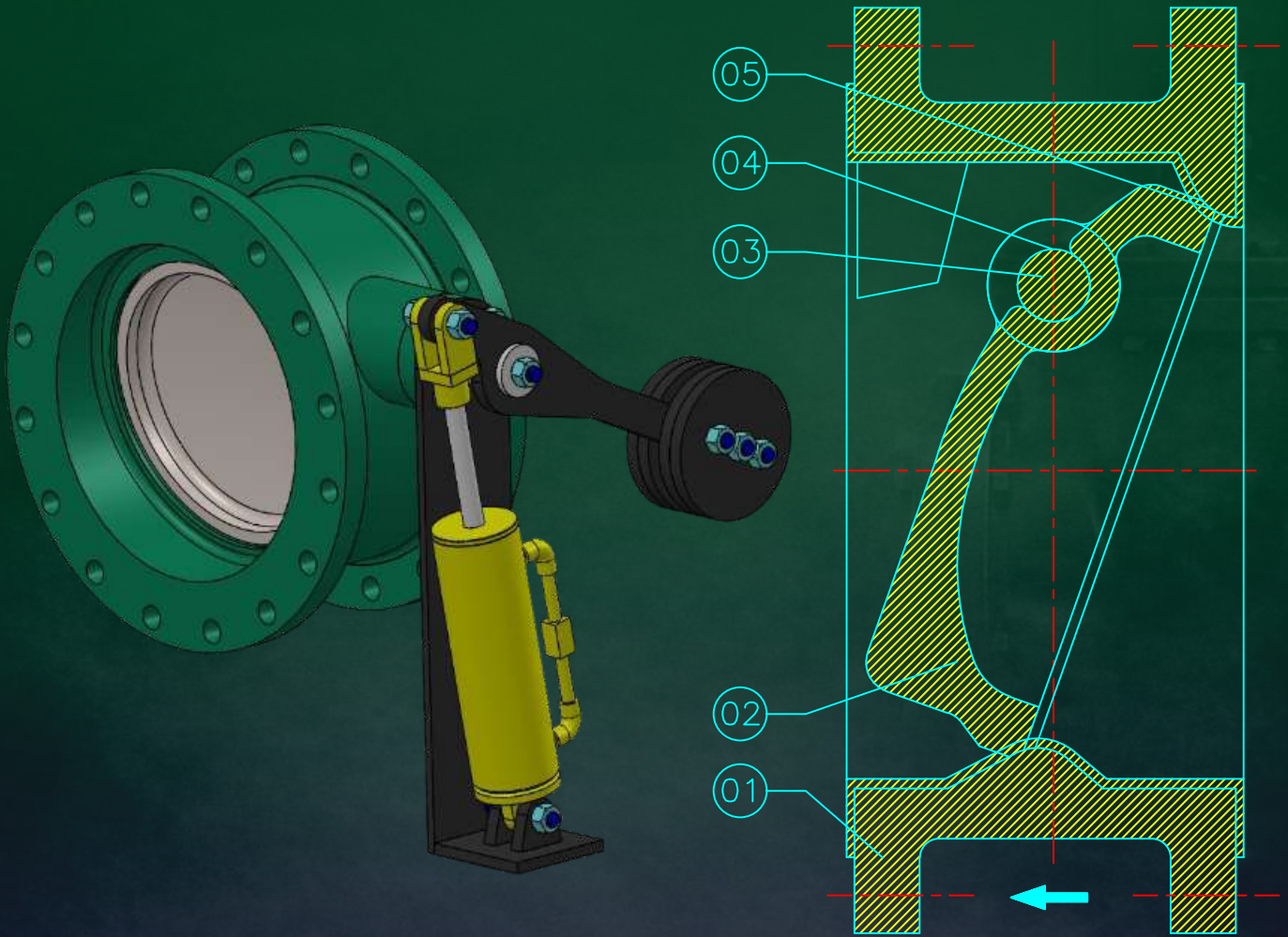
VALVAX



	SIZE	FLANGE DETAILS, ASME B16.5								LENGTH K APPX.	H APPX.	WT. Kg APPX.	OPERATING SYSTEM	HYDRO TEST		MODEL NO.	
		A (FE)	OD	PCD	RFD	T	ØH	N	SHELL					SEAT			
DIMENSIONS DETAIL	150#	2"	50	178	152	120.6	92.1	14.3	19	04	220	130	16	LEVER	32 Kg/cm ²	22 Kg/cm ²	VEPL-FBLV -1001
		2.5"	65	190	178	139.7	104.8	15.7	19	04	320	145	23	LEVER			
		3"	80	203	190	152.4	127.0	17.5	19	04	320	160	31	LEVER			
		4"	100	229	229	190.5	157.2	22.4	19	08	385	195	45	LEVER			
		6"	150	394	279	241.3	215.9	23.9	22	08	500	270	95	LEVER			
		8"	200	457	343	298.4	269.9	26.9	22	08	600	375	169	LEVER			
	300#	10"	250	533	406	362.0	323.8	28.4	25	12	450	410	270	GEAR	78 Kg/cm ²	58 Kg/cm ²	VEPL-FBLV -1002
		12"	300	610	483	431.8	381.0	30.2	25	12	450	540	350	GEAR			
		2"	50	216	165	127.0	92.1	20.6	19	08	230	135	19	LEVER			
		2.5"	65	241	190	149.4	104.8	23.9	22	08	330	155	30	LEVER			
		3"	80	282	210	168.1	127.0	26.9	22	08	370	175	40	LEVER			
		4"	100	305	254	200.2	157.2	30.2	22	08	390	195	59	LEVER			
600#	6"	150	403	318	269.7	215.9	35.1	22	12	500	310	130	LEVER	158 Kg/cm ²	115 Kg/cm ²	VEPL-FBLV -1003	
	8"	200	502	381	330.2	269.9	39.6	25	12	450	380	249	GEAR				
	2"	50	292	165	127.0	92.1	25.4	19	08	320	140	35	LEVER				
	2.5"	65	330	190	149.4	104.8	28.4	22	08	370	160	43	LEVER				
	3"	80	356	210	168.1	127.0	31.8	22	08	400	215	59	LEVER				
	4"	100	432	273	215.9	157.2	38.1	25	08	480	265	82	LEVER				
	6"	150	---	---	---	---	---	---	---	---	---	---	---				
	8"	200	---	---	---	---	---	---	---	---	---	---	---				

CHECK VALVE TYPE TILTING DISC CHECK VALVE, SOFT SEAT AND METAL TO METAL

VALVAX



REFERENCE STANDARD	
MFG. STD	ASME B16.34
FACE TO FACE	EN 558 SER.-14
FLANGE END	ASME B16.5
INSP. & TEST.	API 598
PRESS & TEMP.	ASME B16.34

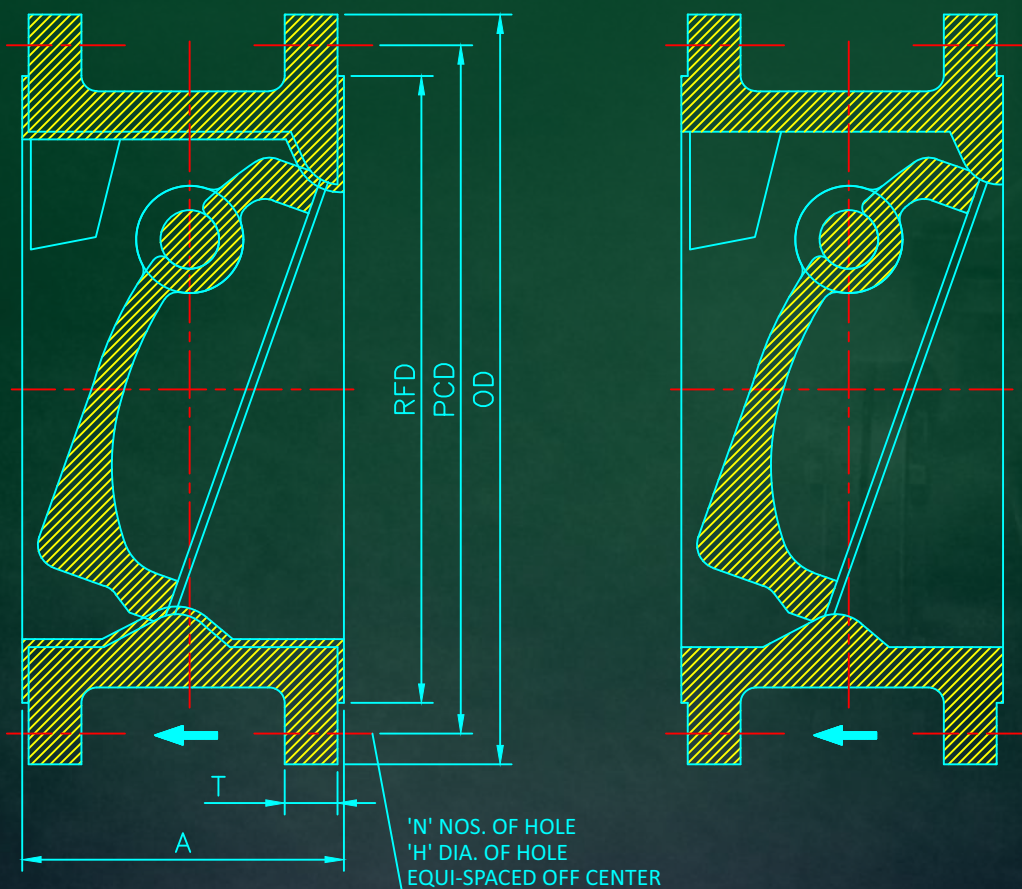
TECHNICAL NOTES:

1. COUNTER WEIGHT SHALL BE PROVIDED AS PER REQUIREMENTS.
2. COUNTER WEIGHT WITH HYDRAULIC DAMPER ALSO CAN PROVIDE.
3. LIFTING HOOK SHALL BE PROVIDED WHEN VALVE WEIGHT SHALL BE MORE THAN 25 Kgs.

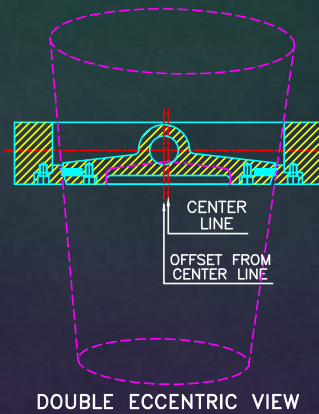
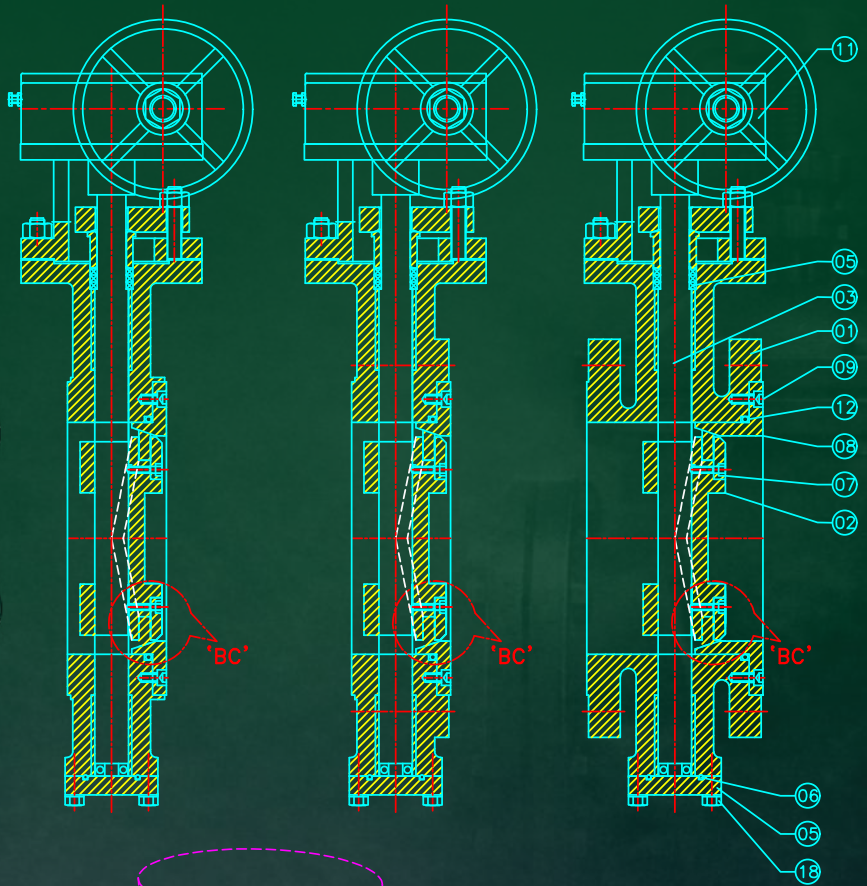
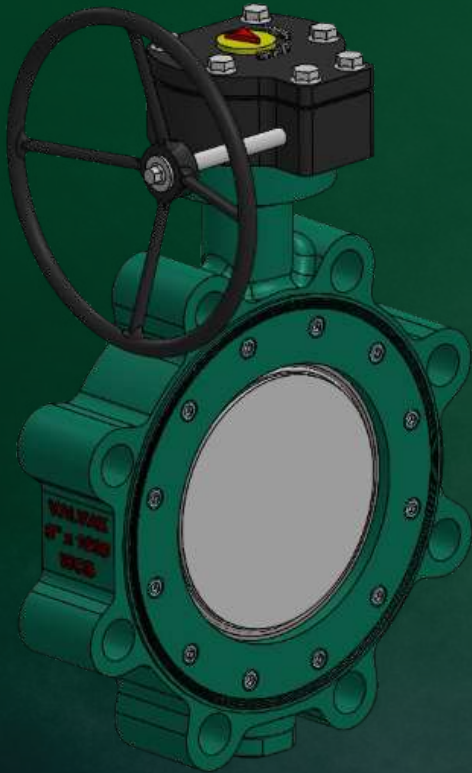
SR. NO.	DESCRIPTION	MATERIAL OF CONSTRUCTION		
		CARBON STEEL	ALLOY STEEL	DUCTILE IRON
01	BODY	ASTM A216 GR.WCB	ASTM A217 GR.WC9	ASTM A 536 Gr. 60-40-18
		BODY LINING WITH EPDM / EBONITE RUBBER		
02	DISC	ASTM A351 GR.CF8	ASTM A351 GR.CF8	ASTM A351 GR.CF8
03	STEM	SS 304	SS 304	SS 304
04	STEM COVER	ASTM A216 GR.WCB	ASTM A217 GR.WC9	ASTM A 536 Gr. 60-40-18
05	SEAT	EPDM / EBONITE RUBBER		

**TILTING DISC CHECK VALVE
CLASS 150 & CLASS 300**

VALVAX



	SIZE		A (FE)	FLANGE DETAILS, ASME B16.5						HYDRO TEST		MODEL NO.
				OD	PCD	RFD	T	ØH	N	SHELL	SEAT	
DIMENSIONS DETAIL, 150#	2"	50	150	152	120.6	92.1	14.3	19	04	15 Kg/cm ²	10 Kg/cm ²	VEPL-TDCV-1301
	2.5"	65	170	178	139.7	104.8	15.7	19	04			
	3"	80	180	190	152.4	127.0	17.5	19	04			
	4"	100	190	229	190.5	157.2	22.4	19	08			
	5"	125	--	--	--	--	--	--	--			
	6"	150	210	279	241.3	215.9	23.9	22	08			
	8"	200	230	343	298.4	269.9	26.9	22	08			
	10"	250	250	406	362.0	323.8	28.4	25	12			
	12"	300	270	483	431.8	381.0	30.2	25	12			
	14"	350	290	533	476.2	412.8	33.3	29	12			
	16"	400	310	597	539.8	469.9	35.1	29	16			
	18"	450	330	635	577.8	533.4	38.1	32	16			
20"	500	350	698	635.0	584.2	41.1	32	20				
24"	600	390	813	749.3	692.2	46.0	35	20				
DIMENSIONS DETAIL, 300#	2"	50	150	165	127.0	92.1	20.6	19	08	24 Kg/cm ²	18 Kg/cm ²	VEPL-TDCV-1302
	2.5"	65	170	190	149.4	104.8	23.9	22	08			
	3"	80	180	210	168.1	127.0	26.9	22	08			
	4"	100	190	254	200.2	157.2	30.2	22	08			
	5"	125	--	--	--	--	--	--	--			
	6"	150	210	318	269.7	215.9	35.1	22	12			
	8"	200	230	381	330.2	269.9	39.6	25	12			
	10"	250	250	444	387.4	323.8	46.0	29	16			
	12"	300	270	521	450.8	381.0	49.3	32	16			
	14"	350	290	584	514.4	412.8	52.3	32	20			
	16"	400	310	648	571.5	469.9	55.6	35	20			
	18"	450	330	711	628.6	533.4	58.7	35	24			
20"	500	350	775	685.8	584.2	62.0	35	24				
24"	600	390	914	812.8	692.2	68.3	41	24				



REFERENCE STANDARD	
MFG. STD	API 609
FACE TO FACE	API 609, CAT.-B
WAFER END	SUITABLE TO MOUNT ASME B16.5
LUG END	ASME B16.5
FLANGE END	ASME B16.5
INSP. & TEST.	API 598
PRESS & TEMP.	ASME B16.34

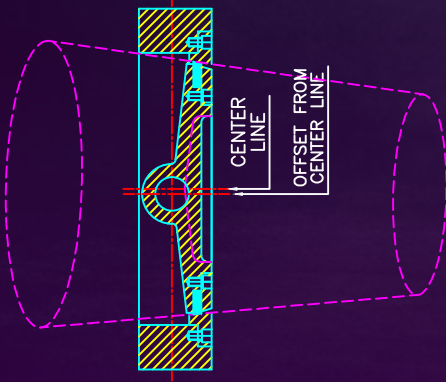
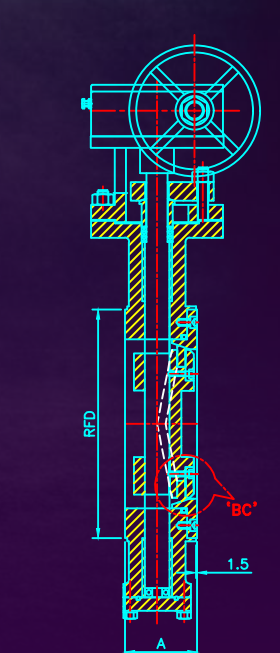
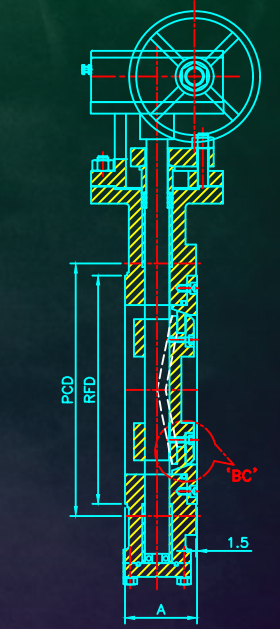
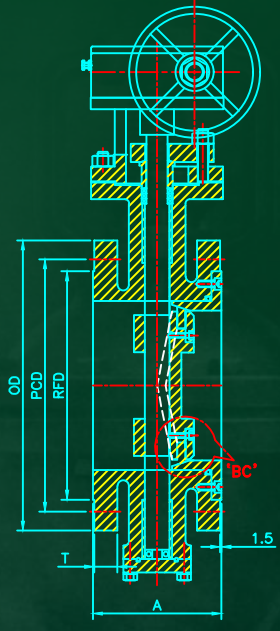
SR. NO.	DESCRIPTION	MATERIAL OF CONSTRUCTION			
		CARBON STEEL	LOW CARBON STEEL	STAINLESS STEEL	DUPLEX
01	BODY	ASTM A216 GR.WCB	ASTM A352 GR.LCC	ASTM A351 GR.CF8M	ASTM A995 GR.5A
02	DISC	ASTM A216 GR.WCB / ASTM A351 GR.CF8 / ASTM A351 GR.CF8M / ASTM A995 GR.5A			
03	STEM	ASTM A182 GR.F6a	SS 304 / SS 316	SS 316	ASTM A182 GR.F53
04	DISC SEAT	EPDM / PTFE	EPDM / PTFE	EPDM / PTFE	EPDM / PTFE
05	BOTTOM COVER	ASTM A216 GR.WCB	ASTM A352 GR.LCC	ASTM A351 GR.CF8M	ASTM A995 GR.5A
06	'O' RING	VITON / PTFE	VITON / PTFE	VITON / PTFE	VITON / PTFE
07	L.N CAP SCREW	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL
08	BODY SEAT RING	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL
09	L.N CAP SCREW	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL
10	BODY SEAT	STELLITE-6	STELLITE-6	INTEGRAL WITH BODY OR STELLITE6	STELLITE6
11	GEAR BOX	STANDARD	STANDARD	STANDARD	STANDARD
12	SEAL O RING.	VITON / PTFE	VITON / PTFE	VITON / PTFE	VITON / PTFE

BUTTERFLY, DOUBLE OFFSET

CLASS 150, CLASS 300 & CLASS 600

VALVAX

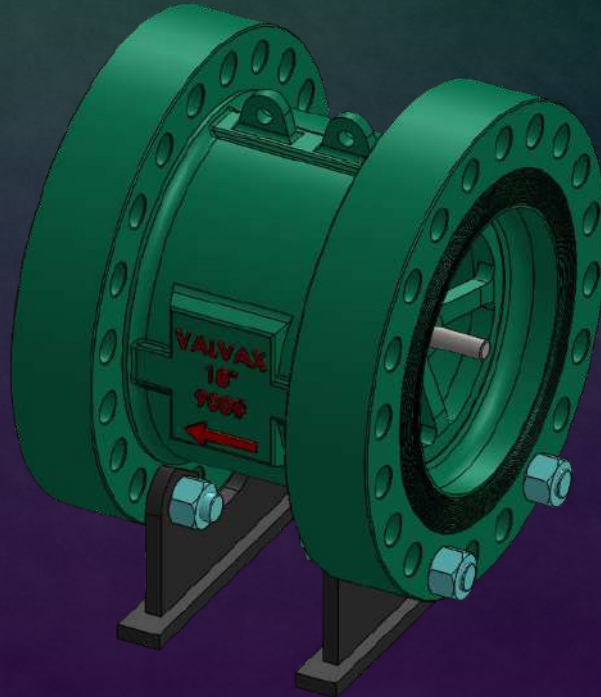
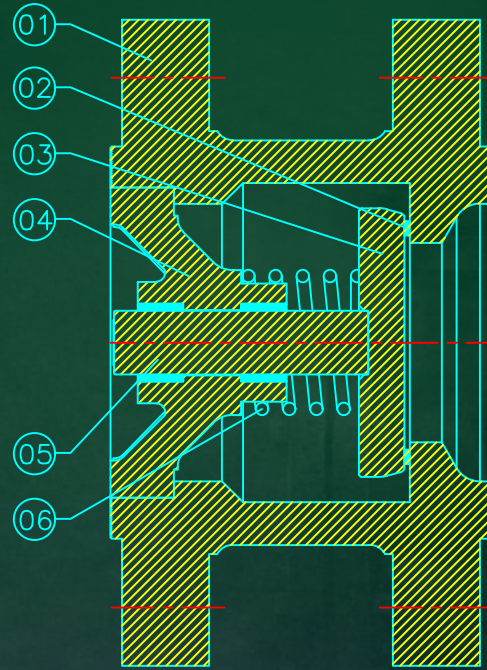
	SIZE		FACE TO FACE			FLANGE DETAILS, ASME B16.5						OPERATING SYSTEM	HYDRO TEST		MODEL NO.
			A (WF)	A (LUG)	A (FE)	OD	PCD	RFD	T	ØH	N		SHELL	SEAT	
DIMENSIONS DETAIL, 150#	2"	50	45	45	108	152	120.6	92.1	14.3	19	04	LEVR	32 Kg/cm ²	22 Kg/cm ²	VEPL-BFV-DO-1711
	2.5"	65	48	48	112	178	139.7	104.8	15.7	19	04	LEVR			
	3"	80	48	48	114	190	152.4	127.0	17.5	19	04	LEVR			
	4"	100	54	54	127	229	190.5	157.2	22.4	19	08	LEVR			
	5"	125	--	--	140	254	215.9	185.7	22.4	22	08	LEVR			
	6"	150	57	57	140	279	241.3	215.9	23.9	22	08	LEVR			
	8"	200	64	64	152	343	298.4	269.9	26.9	22	08	LEVR			
	10"	250	71	71	165	406	362.0	323.8	28.4	25	12	GEAR BOX			
	12"	300	81	81	178	483	431.8	381.0	30.2	25	12	GEAR BOX			
	14"	350	92	92	190	533	476.2	412.8	33.3	29	12	GEAR BOX			
	16"	400	102	102	216	597	539.8	469.9	35.1	29	16	GEAR BOX			
	18"	450	114	114	222	635	577.8	533.4	38.1	32	16	GEAR BOX			
20"	500	127	127	229	698	635.0	584.2	41.1	32	20	GEAR BOX				
24"	600	154	154	267	813	749.3	692.2	46.0	35	20	GEAR BOX				
DIMENSIONS DETAIL, 300#	2"	50	45	45	140	165	127.0	92.1	20.6	19	08	LEVR	78 Kg/cm ²	58 Kg/cm ²	VEPL-BFV-DO-1712
	2.5"	65	48	48	170	190	149.4	104.8	23.9	22	08	LEVR			
	3"	80	48	48	180	210	168.1	127.0	26.9	22	08	LEVR			
	4"	100	54	54	190	254	200.2	157.2	30.2	22	08	LEVR			
	5"	125	--	--	200	279	235.0	185.7	33.3	22	08	LEVR			
	6"	150	59	59	210	318	269.7	215.9	35.1	22	12	LEVR			
	8"	200	73	73	230	381	330.2	269.9	39.6	25	12	GEAR BOX			
	10"	250	83	83	250	444	387.4	323.8	46.0	29	16	GEAR BOX			
	12"	300	92	92	270	521	450.8	381.0	49.3	32	16	GEAR BOX			
	14"	350	117	117	290	584	514.4	412.8	52.3	32	20	GEAR BOX			
	16"	400	133	133	310	648	571.5	469.9	55.6	35	20	GEAR BOX			
	18"	450	149	149	330	711	628.6	533.4	58.7	35	24	GEAR BOX			
20"	500	159	159	350	775	685.8	584.2	62.0	35	24	GEAR BOX				
24"	600	181	181	390	914	812.8	692.2	68.3	41	24	GEAR BOX				
DIMENSIONS DETAIL, 600#	2"	50	48	48	---	165	127.0	92.1	25.4	19	08	LEVR	159 Kg/cm ²	115 Kg/cm ²	VEPL-BFV-DO-1713
	2.5"	65	54	54	--	190	149.4	104.8	28.4	22	08	LEVR			
	3"	80	54	54	180	210	168.1	127.0	31.8	22	08	LEVR			
	4"	100	64	64	190	273	215.9	157.2	38.1	25	08	LEVR			
	5"	125	--	--	--	330	266.7	185.7	44.4	29	08	GEAR BOX			
	6"	150	78	78	210	356	292.1	215.9	47.8	29	12	GEAR BOX			
	8"	200	102	102	230	419	349.2	269.9	55.6	32	12	GEAR BOX			
	10"	250	117	117	250	508	431.8	323.8	63.5	35	16	GEAR BOX			
	12"	300	140	140	270	559	489.0	381.0	66.5	35	20	GEAR BOX			
	14"	350	155	155	290	603	527.0	412.8	69.8	38	20	GEAR BOX			
	16"	400	178	178	310	686	603.2	469.9	76.2	42	20	GEAR BOX			
	18"	450	200	200	330	743	654.0	533.4	82.6	45	20	GEAR BOX			
20"	500	216	216	350	813	723.9	584.2	88.9	45	24	GEAR BOX				
24"	600	232	232	390	940	838.2	692.2	101.6	50	24	GEAR BOX				



DOUBLE ECCENTRIC VIEW

**CHECK VALVE TYPE AXIAL FLOW NON SLAM CHECK VALVE,
SOFT SEAT AND METAL TO METAL**

VALVAX



REFERENCE STANDARD

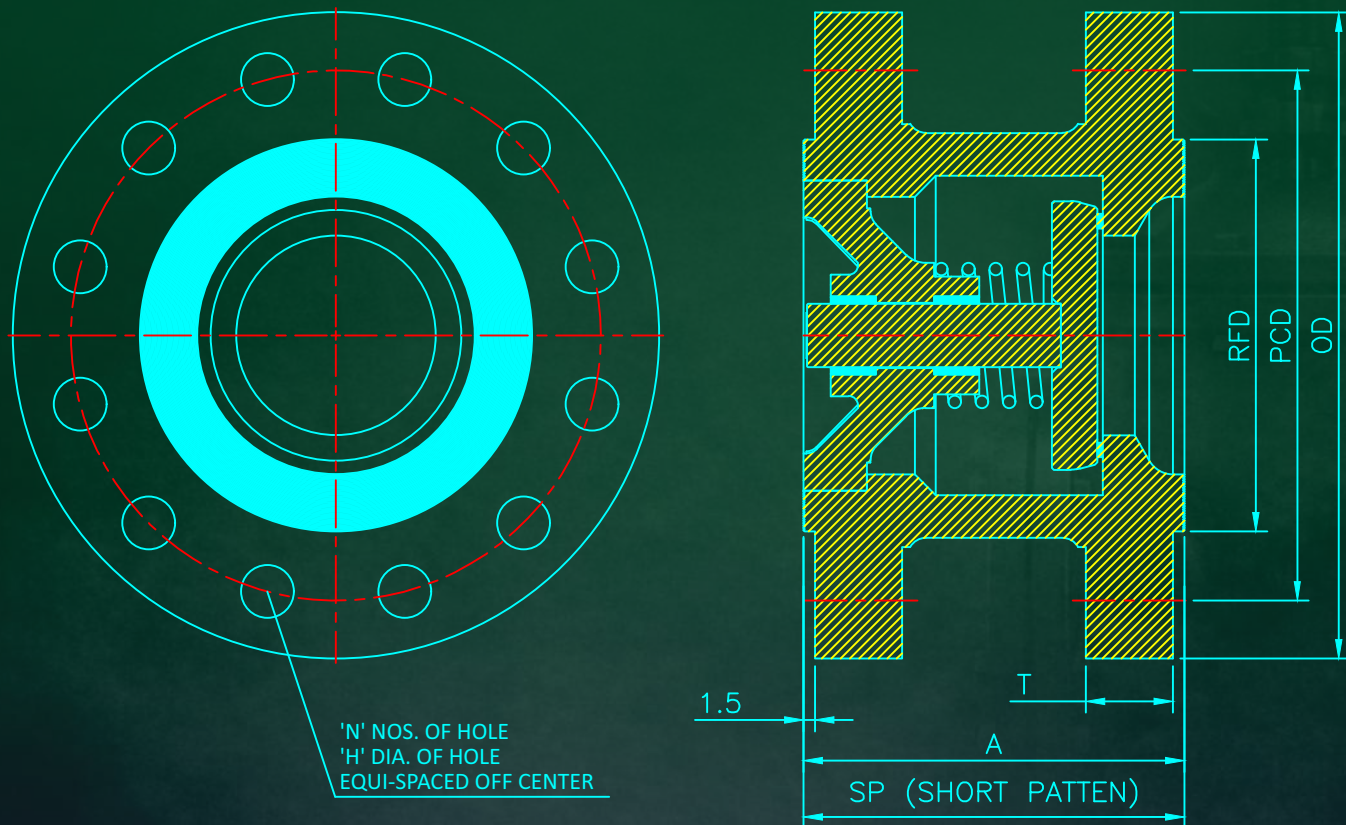
MFG. STD	API 6D
FACE TO FACE	ASME B16.10
FLANGE END	ASME B16.5
FLANGE RTJ END	ASME B16.5
BUTT WELD END	ASME B16.25
INSP. & TEST.	API 598
FIRE SAFE	API 607 / API 6FA
PRESS & TEMP.	ASME B16.34

MATERIAL OF CONSTRUCTION

SR. NO.	DESCRIPTION	MATERIAL OF CONSTRUCTION			
		CARBON STEEL	ALLOY STEEL	STAINLESS STEEL	DUPLEX
01	BODY	ASTM A216 GR.WCB	ASTM A217 GR.WC9	ASTM A351 GR.CF8M	ASTM A995 GR.5A
02	SEAT RING	INTEGRAL WITH BODY + STELLITED 6			
03	DISC	ASTM A351 GR.CF8M	ASTM A351 GR.CF8M	ASTM A351 GR.CF8M	ASTM A182 GR.F53
04	DIFFUSER	ASTM A216 GR.WCB	ASTM A217 GR.WC9	ASTM A351 GR.CF8M	ASTM A995 GR.5A
05	STEM	SS 304 / SS 316	SS 304 / SS 316	SS 316	ASTM A182 GR.F53
06	SPRING	INCONEL X-750			

AXIAL FLOW NON SLAM CHECK VALVE CLASS 150 & CLASS 300

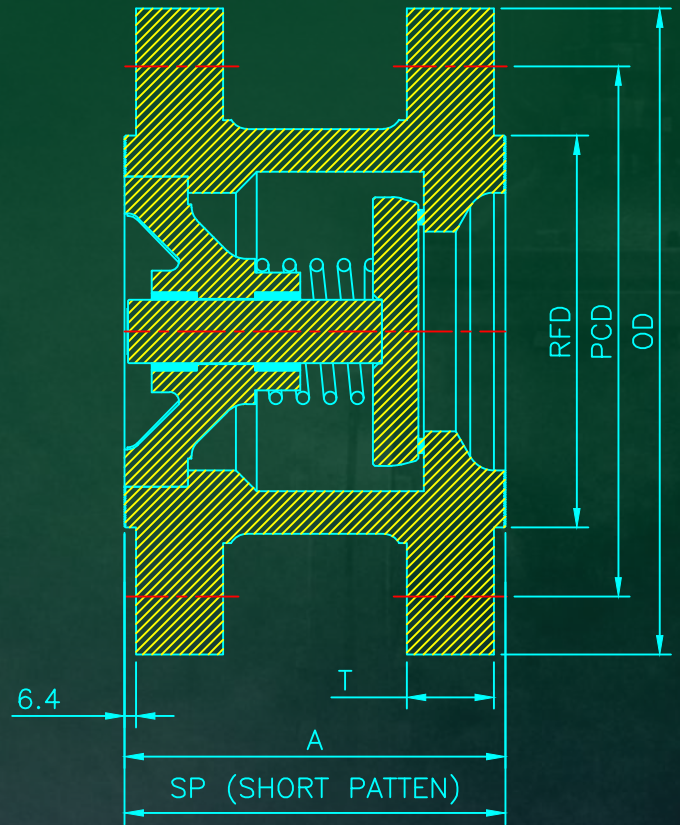
VALVAX



	SIZE	A (FE)	FLANGE DETAILS, ASME B16.5							HYDRO TEST		MODEL NO. VEPL-NSCV-1601
			SP	OD	PCD	RFD	T	ØH	N	SHELL	SEAT	
DIMENSIONS DETAIL, 150#	2"	50	120	152	120.6	92.1	14.3	19	04	32 Kg/cm ²	22 Kg/cm ²	MODEL NO. VEPL-NSCV-1601
	2.5"	65	120	178	139.7	104.8	15.7	19	04			
	3"	80	120	190	152.4	127.0	17.5	19	04			
	4"	100	140	229	190.5	157.2	22.4	19	08			
	5"	125	--	--	--	--	--	--	--			
	6"	150	210	279	241.3	215.9	23.9	22	08			
	8"	200	280	343	298.4	269.9	26.9	22	08			
	10"	250	350	406	362.0	323.8	28.4	25	12			
	12"	300	350	483	431.8	381.0	30.2	25	12			
	14"	350	405	533	476.2	412.8	33.3	29	12			
	16"	400	455	597	539.8	469.9	35.1	29	16			
	18"	450	520	635	577.8	533.4	38.1	32	16			
20"	500	570	698	635.0	584.2	41.1	32	20				
24"	600	685	813	749.3	692.2	46.0	35	20				
DIMENSIONS DETAIL, 300#	2"	50	120	165	127.0	92.1	20.6	19	08	78 Kg/cm ²	58 Kg/cm ²	MODEL NO. VEPL-NSCV-1602
	2.5"	65	150	190	149.4	104.8	23.9	22	08			
	3"	80	150	210	168.1	127.0	26.9	22	08			
	4"	100	170	254	200.2	157.2	30.2	22	08			
	5"	125	--	--	--	--	--	--	--			
	6"	150	210	318	269.7	215.9	35.1	22	12			
	8"	200	280	381	330.2	269.9	39.6	25	12			
	10"	250	350	444	387.4	323.8	46.0	29	16			
	12"	300	350	521	450.8	381.0	49.3	32	16			
	14"	350	405	584	514.4	412.8	52.3	32	20			
	16"	400	455	648	571.5	469.9	55.6	35	20			
	18"	450	520	711	628.6	533.4	58.7	35	24			
20"	500	570	775	685.8	584.2	62.0	35	24				
24"	600	685	914	812.8	692.2	68.3	41	24				

**AXIAL FLOW NON SLAM CHECK VALVE
CLASS 600 & CLASS 900**

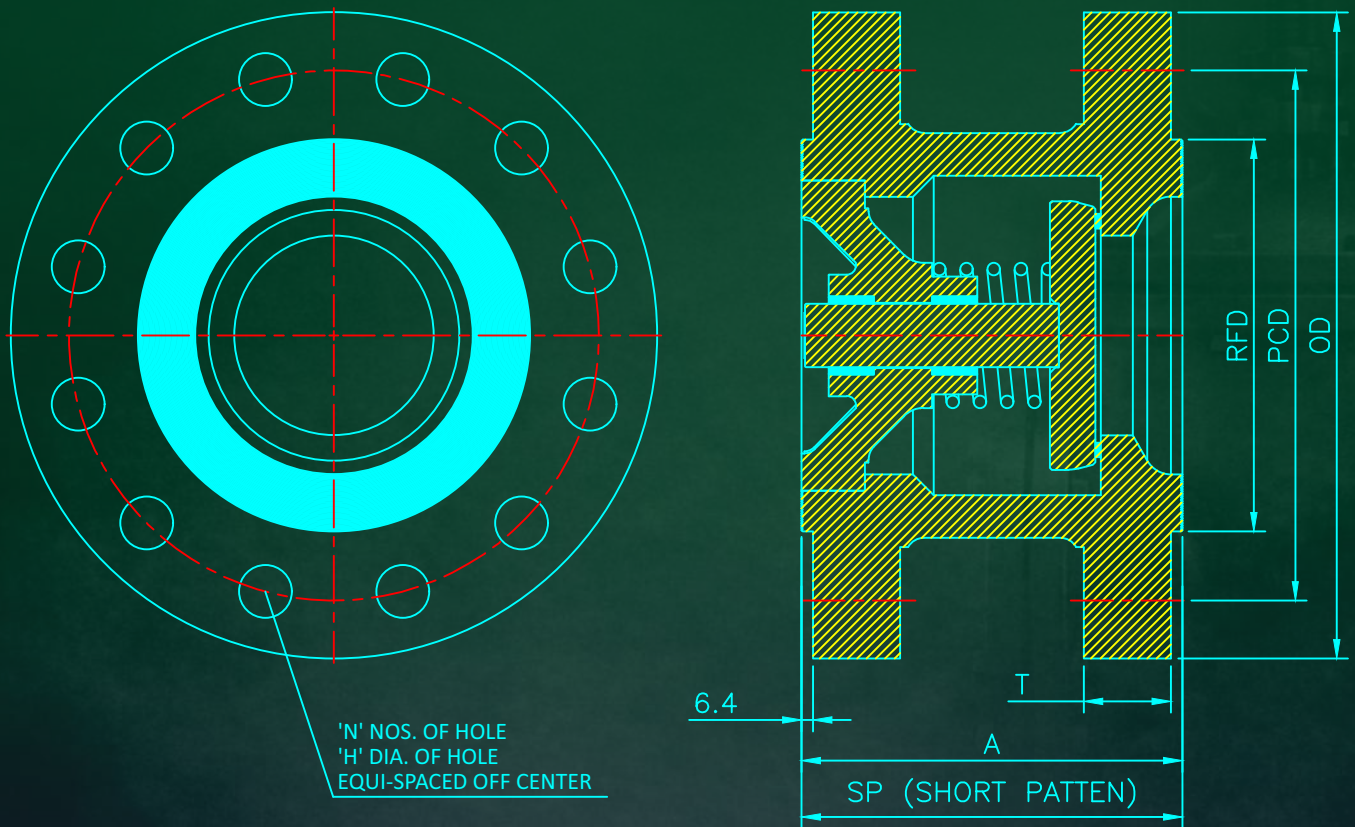
VALVAX



	SIZE	FACE TO FACE (SP)		FLANGE DETAILS, ASME B16.5						HYDRO TEST		MODEL NO.	
		A (FE)	A (RTJ)	OD	PCD	RFD	T	ØH	N	SHELL	SEAT		
DIMENSIONS DETAIL, 600#	2"	50	120	120	165	127.0	92.1	25.4	19	08	159 Kg/cm ²	115 Kg/cm ²	VEPL-NSCV-1603
	2.5"	65	150	150	190	149.4	104.8	28.4	22	08			
	3"	80	150	150	210	168.1	127.0	31.8	22	08			
	4"	100	170	170	273	215.9	157.2	38.1	25	08			
	5"	125	--	--	--	--	--	--	--	--			
	6"	150	210	210	356	292.1	215.9	47.8	29	12			
	8"	200	280	280	419	349.2	269.9	55.6	32	12			
	10"	250	350	350	508	431.8	323.8	63.5	35	16			
	12"	300	375	375	559	489.0	381.0	66.5	35	20			
	14"	350	440	440	603	527.0	412.8	69.8	38	20			
	16"	400	500	500	686	603.2	469.9	76.2	42	20			
	18"	450	565	565	743	654.0	533.4	82.6	45	20			
20"	500	625	625	813	723.9	584.2	88.9	45	24				
24"	600	745	745	940	838.2	692.2	101.6	50	24				
DIMENSIONS DETAIL, 900#	2"	50	170	170	216	165.1	92.1	38.1	25	08	235 Kg/cm ²	172 Kg/cm ²	VEPL-NSCV-1604
	2.5"	65	190	190	244	190.5	104.8	41.1	29	08			
	3"	80	190	190	241	190.5	127.0	38.1	25	08			
	4"	100	210	210	292	235.0	157.2	44.5	32	08			
	5"	125	--	--	--	--	--	--	--	--			
	6"	150	230	230	381	317.5	215.9	55.6	32	12			
	8"	200	280	280	470	393.7	269.9	63.5	38	12			
	10"	250	350	350	546	469.9	323.8	69.8	38	16			
	12"	300	430	430	610	533.4	381.0	79.2	38	20			
	14"	350	400	400	641	558.8	412.8	85.9	41	20			
	16"	400	470	470	705	616.0	469.9	88.9	45	20			
	18"	450	530	530	787	685.8	533.4	101.6	50	20			
20"	500	595	595	857	749.3	584.2	108.0	54	20				
24"	600	665	665	1041	901.7	692.2	139.7	67	20				

AXIAL FLOW NON SLAM CHECK VALVE CLASS 1500 & CLASS 2500

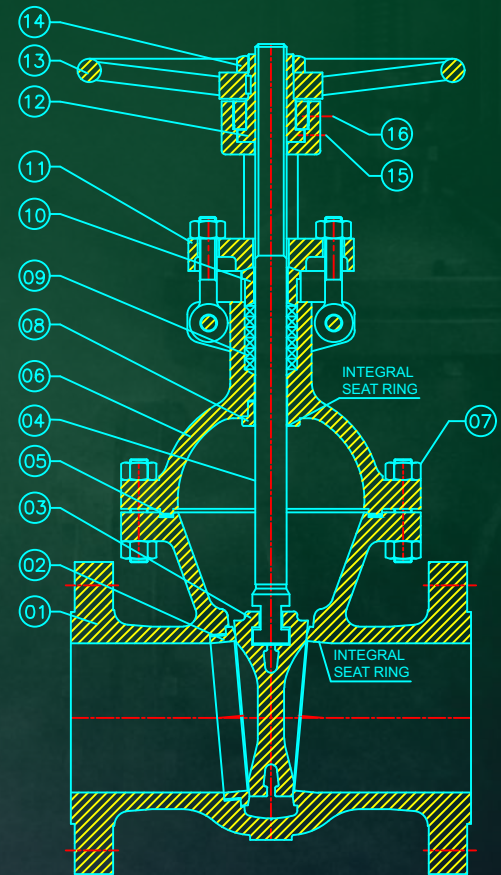
VALVAX



	SIZE	FACE TO FACE (SP)		FLANGE DETAILS, ASME B16.5						HYDRO TEST			
		A (FE)	A (RTJ)	OD	PCD	RFD	T	ØH	N	SHELL	SEAT		
DIMENSIONS DETAIL, 1500#	2"	50	170	170	216	165.1	92.1	38.1	25	08	391 Kg/cm ²	287 Kg/cm ²	MODEL NO. VEPL-NSCV-1605
	2.5"	65	190	190	244	190.5	104.8	41.8	29	08			
	3"	80	220	220	267	203.2	127.0	47.8	32	08			
	4"	100	240	240	311	241.3	157.2	53.8	35	08			
	5"	125	--	--	--	--	--	--	--	--			
	6"	150	310	310	394	317.5	215.9	82.6	38	12			
	8"	200	350	350	483	393.7	269.9	91.9	45	12			
	10"	250	400	400	584	482.6	323.8	108.0	51	12			
	12"	300	450	450	673	571.5	381.0	124.0	54	16			
	14"	350	490	490	749	635.0	412.8	133.4	60	16			
	16"	400	530	530	826	704.8	469.9	146.0	67	16			
	18"	450	580	580	914	774.7	533.4	162.1	73	16			
20"	500	655	655	984	831.8	584.2	177.8	80	16				
24"	600	750	750	1168	990.6	692.2	203.2	92	16				
DIMENSIONS DETAIL, 2500#	2"	50	210	210	235	171.4	92.1	50.8	29	08	651 Kg/cm ²	478 Kg/cm ²	MODEL NO. VEPL-NSCV-1606
	2.5"	65	240	240	267	196.8	104.8	57.2	32	08			
	3"	80	270	270	305	228.6	127.0	66.5	35	08			
	4"	100	310	310	356	273.0	157.2	76.2	41	08			
	5"	125	--	--	--	--	--	--	--	--			
	6"	150	430	430	483	368.3	215.9	108.0	54	08			
	8"	200	460	460	552	438.2	269.9	127.1	54	12			
	10"	250	580	580	673	539.8	323.8	165.1	67	12			
	12"	300	580	580	762	619.3	381.0	184.2	73	12			
	14"	350	--	--	--	--	--	--	--	--			
	16"	400	--	--	--	--	--	--	--	--			
	18"	450	--	--	--	--	--	--	--	--			
20"	500	--	--	--	--	--	--	--	--				
24"	600	--	--	--	--	--	--	--	--				

REFERENCE STANDARD

MFG. STD	API 600 / BS 1414
FACE TO FACE	ASME B16.10
FLANGE END	ASME B16.5
FLANGE RTJ END	ASME B16.5
BUTT WELD END	ASME B16.25
INSP. & TEST.	API 598
PRESS & TEMP.	ASME B16.34



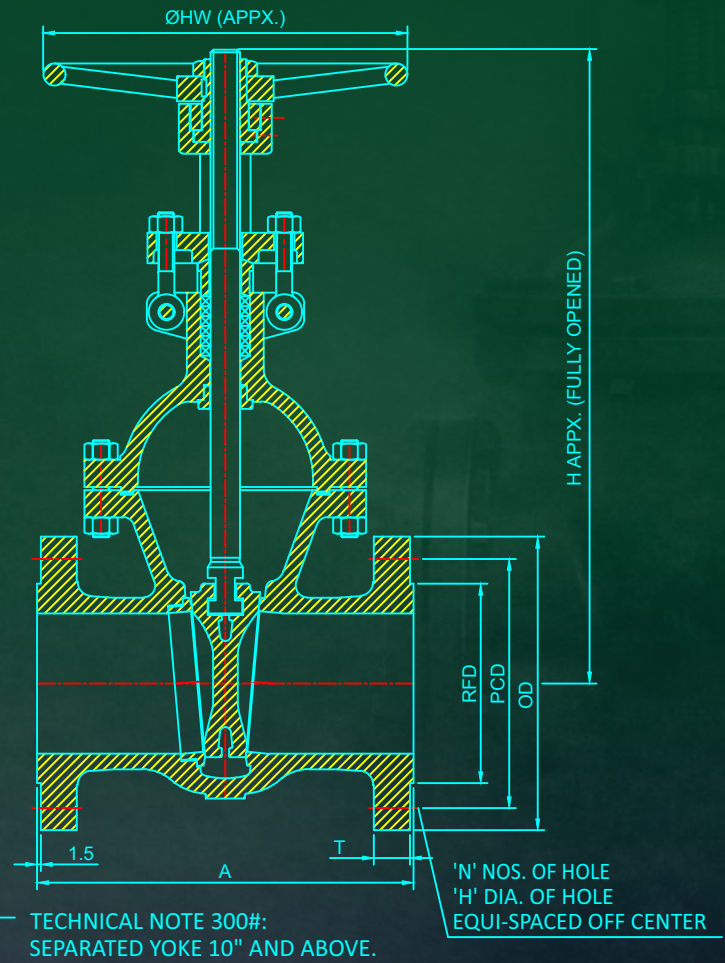
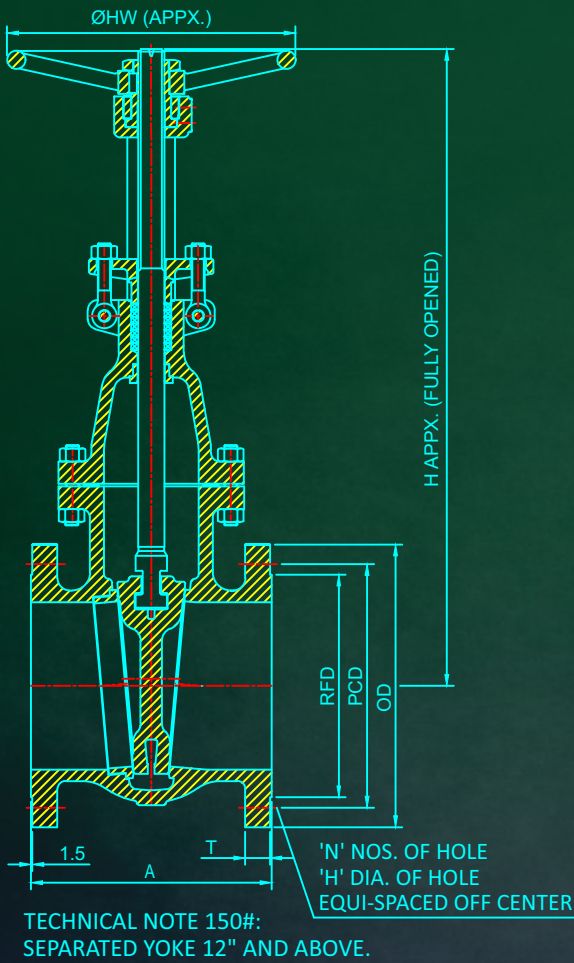
TECHNICAL NOTES:

1. SEAL WELDED SEAT RING.
2. INTEGRAL SEAT RING WITH BODY AND BACK SEAT WITH BONNET SHALL BE PROVIDED WITH STAINLESS STEEL.
3. SEAT AND WEDGE STELLITING AS PER API 600 TRIM TABLE.

SR. NO.	DESCRIPTION	MATERIAL OF CONSTRUCTION			
		CARBON STEEL	STAINLESS STEEL	ALLOY STEEL	DUPLEX
01	BODY	ASTM A216 GR.WCB	ASTM A351 GR.CF8M	ASTM A217 GR.WC9	ASTM A352 GR.LCC
02	SEAT RING	ASTM A105 + STL6	ASTM A182 F316 + STELLITED 6	ASTM A182 F22 + STELLITED 6	ASTM A182 F316 + STELLITED 6
03	WEDGE	ASTM A216 GR.WCB + OVERLAY 13% Cr. OR ASTM A217 GR.CA15	ASTM A351 GR.CF8M OR STELLITED 6	ASTM A217 GR.WC9 + STELLITED 6	ASTM A352 GR.LCC + OVERLAY 316 OR STELLITED 6
04	STEM	ASTM A182 GR.F6a	SS 316	ASTM A182 GR.F6a	SS 316
05	GASKET	SPW SS 304 / SS 316 + GRAPHITE FILLED			
06	BONNET	ASTM A216 GR.WCB	ASTM A351 GR.CF8M	ASTM A217 GR.WC9	ASTM A352 GR.LCC
07	JOINT STUD	ASTM A193 GR. B7	ASTM A193 GR. B8M	ASTM A193 GR. B7	ASTM A320 GR. L7
	JOINT NUT	ASTM A194 GR. 2H	ASTM A194 GR. 8M	ASTM A194 GR. 2H	ASTM A194 GR. 7
08	BONNET BUSH	ASTM A182 GR.F6a	SS 316	ASTM A182 GR.F6a	SS 316
09	GLAND PACKING	TOP & BOTTOM BRAIDED GRAPHITE & INTERIOR DIE-FORMED FLEXIBLE GRAPHITE			
10	GLAND BUSH	ASTM A182 GR.F6a	SS 316	ASTM A182 GR.F6a	SS 316
11	GLAND FLANGE	ASTM A216 GR.WCB	ASTM A351 GR.CF8	ASTM A216 GR.WCB	ASTM A352 GR.LCC
12	YOKE SLEEVE	Ni. RESIST. ASTM A439 GR. D2			
13	HANDWHEEL	MALLEABLE IRON / SG IRON			
14	HANDWHEEL NUT	CARBON STEEL	STAINLESS STEEL	CARBON STEEL	CARBON STEEL
15	GREASE NIPPLE	CARBON STEEL	STAINLESS STEEL	CARBON STEEL	CARBON STEEL
16	GRUB SCREW	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL
17	NAME PLATE	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL

**CAST GATE VALVE OS & Y
CLASS 150 & CLASS 300**

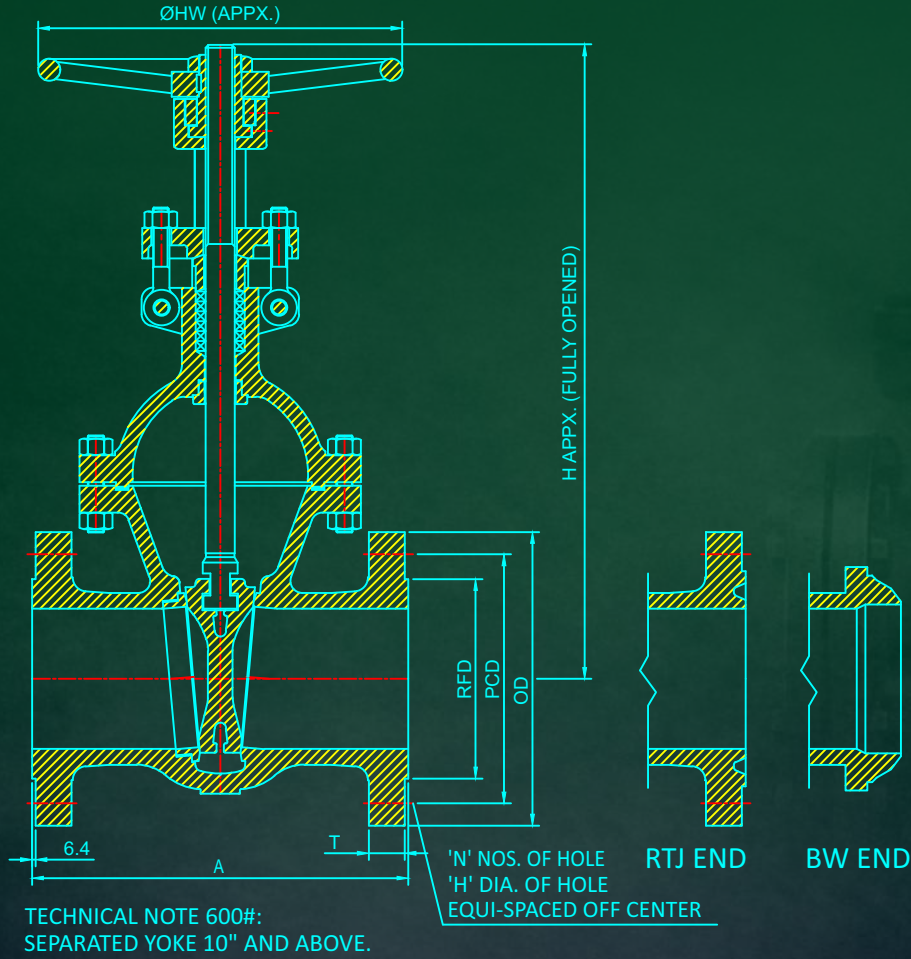
VALVAX



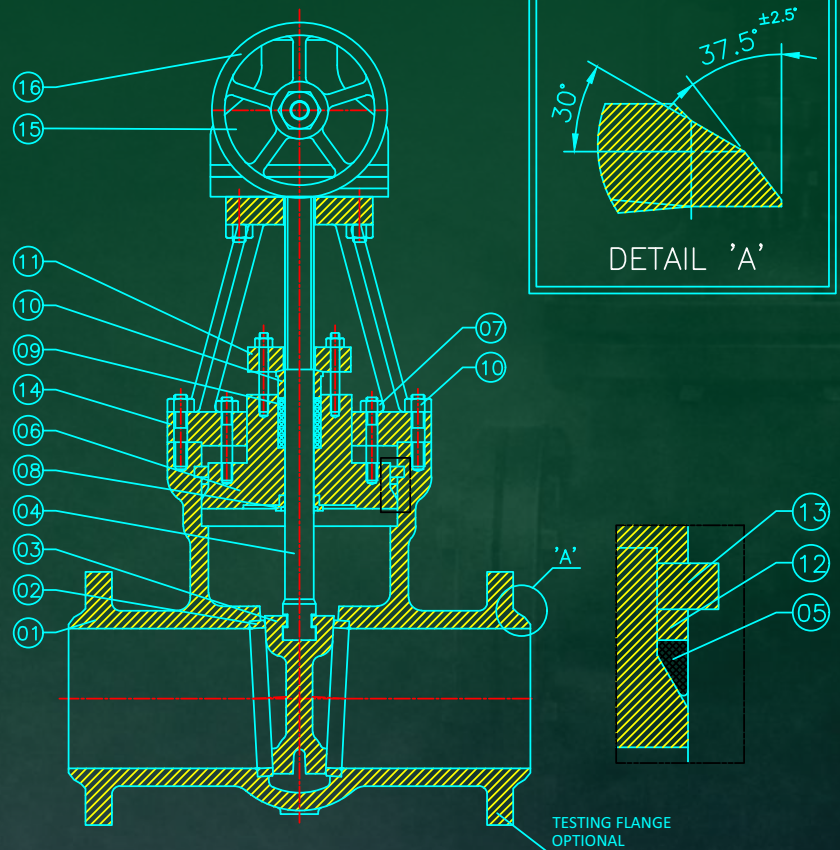
	SIZE	A (FE)	FACE TO FACE			FLANGE DETAILS, ASME B16.5						HW DIA. (ØHW)	H APPX.	WT. Kg APPX.	OPERATING SYSTEM	HYDRO TEST SHELL SEAT/BS		
			A (RTJ)	A (BW)	OD	PCD	RFD	T	ØH	N								
DIMENSIONS DETAIL, 150#	2"	50	178	191	216	152	120.6	92.1	14.3	19	04	200	400	20	HANDWHEEL	32 Kg/cm ²	22 Kg/cm ²	MODEL NO. VEPL-GTV-BB-1301
	2.5"	65	190	203	241	178	139.7	104.8	15.7	19	04	200	450	28	HANDWHEEL			
	3"	80	203	216	282	190	152.4	127.0	17.5	19	04	200	485	33	HANDWHEEL			
	4"	100	229	242	305	229	190.5	157.2	22.4	19	08	250	600	55	HANDWHEEL			
	5"	125	254	267	381	254	215.9	185.7	22.4	22	08	200	725	70	HANDWHEEL			
	6"	150	267	280	403	279	241.3	215.9	23.9	22	08	300	765	90	HANDWHEEL			
	8"	200	292	305	419	343	298.4	269.9	26.9	22	08	300	985	130	HANDWHEEL			
	10"	250	330	343	457	406	362.0	323.8	28.4	25	12	350	1220	225	HANDWHEEL			
	12"	300	356	369	502	483	431.8	381.0	30.2	25	12	400	1395	330	HANDWHEEL			
	14"	350	381	394	572	533	476.2	412.8	33.3	29	12	400	1500	450	GEAR BOX			
	16"	400	406	419	610	597	539.8	469.9	35.1	29	16	450	1775	530	GEAR BOX			
	18"	450	432	445	660	635	577.8	533.4	38.1	32	16	450	2000	625	GEAR BOX			
20"	500	457	470	711	698	635.0	584.2	41.1	32	20	500	2210	825	GEAR BOX				
24"	600	508	521	813	813	749.3	692.2	46.0	35	20	550	2725	1210	GEAR BOX				
DIMENSIONS DETAIL, 300#	2"	50	216	232	216	165	127.0	92.1	20.6	19	08	200	410	32	HANDWHEEL	78 Kg/cm ²	58 Kg/cm ²	MODEL NO. VEPL-GTV-BB-1302
	2.5"	65	241	257	241	190	149.4	104.8	23.9	22	08	250	450	35	HANDWHEEL			
	3"	80	282	298	282	210	168.1	127.0	26.9	22	08	300	485	55	HANDWHEEL			
	4"	100	305	321	305	254	200.2	157.2	30.2	22	08	300	615	80	HANDWHEEL			
	5"	125	381	397	381	279	235.0	185.7	33.3	22	08	350	725	100	HANDWHEEL			
	6"	150	403	419	403	318	269.7	215.9	35.1	22	12	400	835	150	HANDWHEEL			
	8"	200	419	435	419	381	330.2	269.9	39.6	25	12	450	1010	225	HANDWHEEL			
	10"	250	457	473	457	444	387.4	323.8	46.0	29	16	450	1230	350	GEAR BOX			
	12"	300	502	518	502	521	450.8	381.0	49.3	32	16	500	1555	480	GEAR BOX			
	14"	350	762	778	762	584	514.4	412.8	52.3	32	20	600	1720	745	GEAR BOX			
	16"	400	838	854	838	648	571.5	469.9	55.6	35	20	650	1970	1060	GEAR BOX			
	18"	450	914	930	914	711	628.6	533.4	58.7	35	24	700	2160	1325	GEAR BOX			
20"	500	991	1010	991	775	685.8	584.2	62.0	35	24	700	2410	1725	GEAR BOX				
24"	600	1143	1165	1143	914	812.8	692.2	68.3	41	24	750	2810	1900	GEAR BOX				

**CAST GATE VALVE OS & Y
CLASS 600 & CLASS 900**

VALVAX



	SIZE		FACE TO FACE			FLANGE DETAILS, ASME B16.5						HW DIA.	H	WT. Kg	OPERATING SYSTEM	HYDRO TEST		
			A (FE)	A (RTJ)	A (BW)	OD	PCD	RFD	T	ØH	N	(ØHW)	APPX.	APPX.		SHELL	SEAT/BS	
DIMENSIONS DETAIL, 600#	2"	50	292	295	292	165	127.0	92.1	25.4	19	08	250	410	38	HANDWHEEL	159 Kg/cm ²	115 Kg/cm ²	MODEL NO. VEPL-GTV-BB-1303
	2.5"	65	330	333	330	190	149.4	104.8	28.4	22	08	300	485	56	HANDWHEEL			
	3"	80	356	359	356	210	168.1	127.0	31.8	22	08	350	560	72	HANDWHEEL			
	4"	100	432	435	432	273	215.9	157.2	38.1	25	08	450	705	136	HANDWHEEL			
	5"	125	508	511	508	330	266.7	185.7	44.4	29	08	500	800	170	HANDWHEEL			
	6"	150	559	562	559	356	292.1	215.9	47.8	29	12	500	895	245	HANDWHEEL			
	8"	200	660	663	660	419	349.2	269.9	55.6	32	12	600	1125	432	GEAR BOX			
	10"	250	787	790	787	508	431.8	323.8	63.5	35	16	500	1400	780	GEAR BOX			
	12"	300	838	841	838	559	489.0	381.0	66.5	35	20	500	1535	835	GEAR BOX			
	14"	350	889	892	889	603	527.0	412.8	69.8	38	20	550	1825	1190	GEAR BOX			
	16"	400	991	994	991	686	603.2	469.9	76.2	42	20	600	1955	1690	GEAR BOX			
	18"	450	1092	1095	1092	743	654.0	533.4	82.6	45	20	650	2140	2010	GEAR BOX			
20"	500	1194	1200	1194	813	723.9	584.2	88.9	45	24	650	2310	2400	GEAR BOX				
24"	600	1397	1407	1397	940	838.2	692.2	101.6	50	24	700	2725	3700	GEAR BOX				
DIMENSIONS DETAIL, 900#	2"	50	368	371	368	216	165.1	92.1	38.1	25	08	250	440	70	HANDWHEEL	235 Kg/cm ²	172 Kg/cm ²	MODEL NO. VEPL-GTV-BB-1304
	2.5"	65	419	422	419	244	190.5	104.8	41.1	29	08	300	525	95	HANDWHEEL			
	3"	80	381	384	381	241	190.5	127.0	38.1	25	08	300	584	105	HANDWHEEL			
	4"	100	457	460	457	292	235.0	157.2	44.5	32	08	400	712	190	HANDWHEEL			
	5"	125	559	562	559	349	279.4	185.7	50.8	35	08	500	845	260	HANDWHEEL			
	6"	150	610	613	610	381	317.5	215.9	55.6	32	12	500	927	380	GEAR BOX			
	8"	200	737	740	737	470	393.7	269.9	63.5	38	12	600	1220	595	GEAR BOX			
	10"	250	838	841	838	546	469.9	323.8	69.8	38	16	400	1600	975	GEAR BOX			
	12"	300	965	968	965	610	533.4	381.0	79.2	38	20	450	1752	1275	GEAR BOX			
	14"	350	1029	1039	1029	641	558.8	412.8	85.9	41	20	650	2286	1665	GEAR BOX			
	16"	400	1130	1140	1130	705	616.0	469.9	88.9	45	20	650	2362	2310	GEAR BOX			
	18"	450	1219	1232	1219	787	685.8	533.4	101.6	50	20	700	2450	2880	GEAR BOX			
20"	500	1321	1334	1321	857	749.3	584.2	108.0	54	20	700	2410	3505	GEAR BOX				
24"	600	1549	1568	1549	1041	901.7	692.2	139.7	67	20	750	2860	4495	GEAR BOX				



REFERENCE STANDARD

MFG. STD	ASME B16.34
BUTT WELD END	ASME B16.25
INSP. & TEST.	API 598
PRESS & TEMP.	ASME B16.34

TECHNICAL NOTES:

1. SEAL WELDED SEAT RING.
2. INTEGRAL SEAT RING WITH BODY AND BACK SEAT WITH BONNET SHALL BE PROVIDED WITH STAINLESS STEEL.

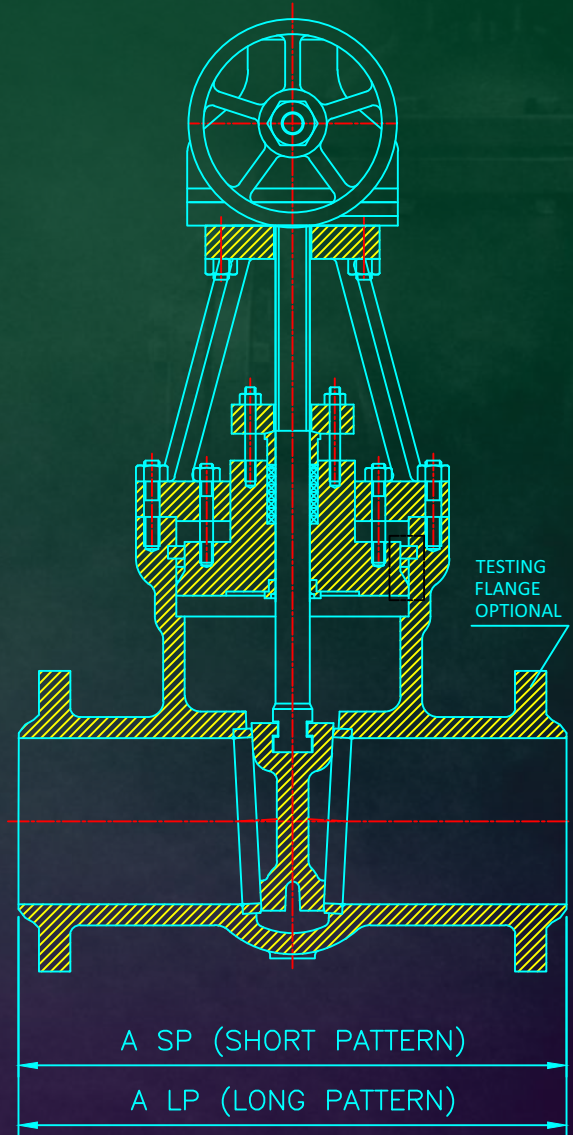
MATERIAL OF CONSTRUCTION

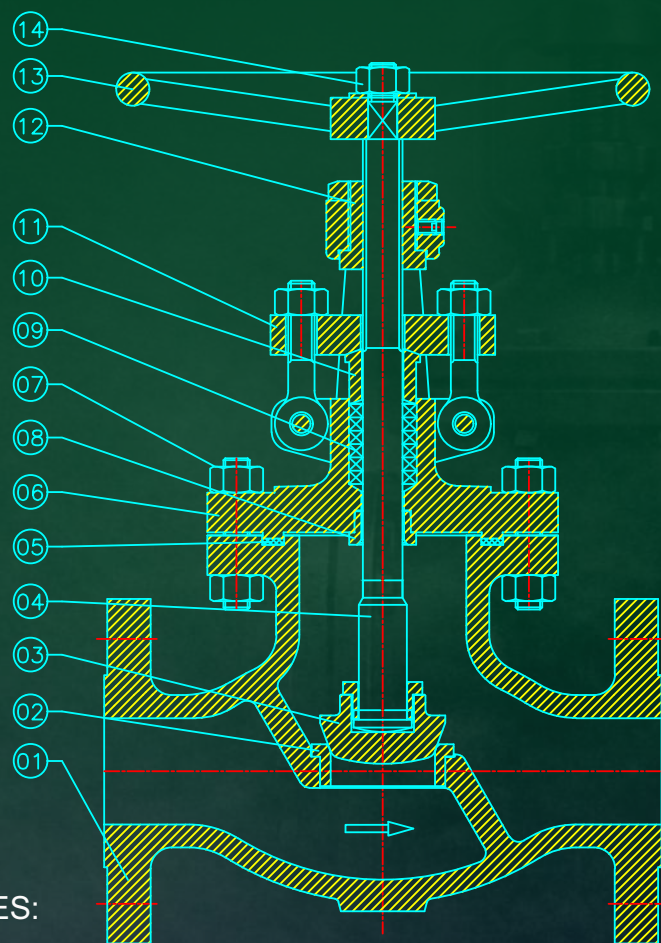
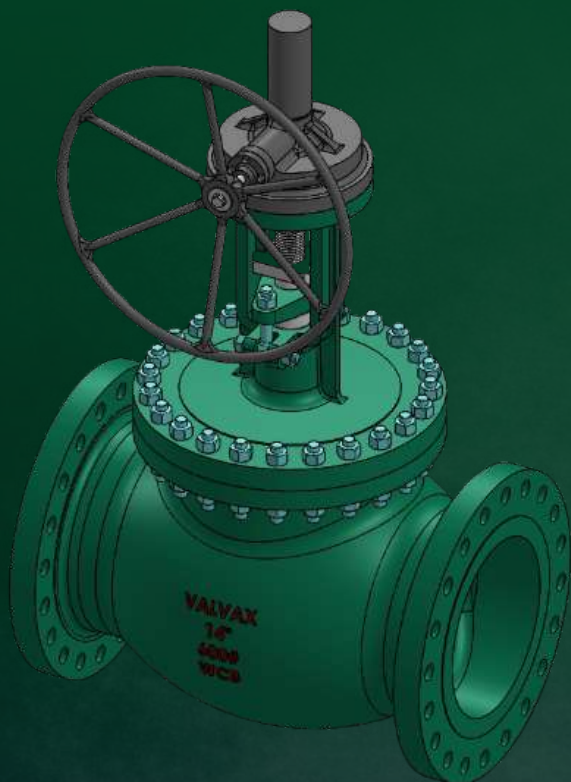
SR. NO.	DESCRIPTION	MATERIAL OF CONSTRUCTION			
		CARBON STEEL	LOW CARBON STEEL	STAINLESS STEEL	ALLOY STEEL
01	BODY	ASTM A216 GR.WCB	ASTM A352 GR.LCC	ASTM A351 GR.CF8M	ASTM A217 GR.WC9
02	SEAT RING	ASTM A105 + STL6	ASTM A182 F316 + STELLITED 6	ASTM A182 F316 + STELLITED 6	ASTM A182 F22 + STELLITED 6
03	WEDGE	ASTM A216 GR.WCB + OVERLAY 13% Cr. OR ASTM A217 GR.CA15	ASTM A352 GR.LCC + OVERLAY 316 OR STELLITED 6	ASTM A351 GR.CF8M OR STELLITED 6	ASTM A217 GR.WC9 + STELLITED 6
04	STEM	ASTM A182 GR.F6a	SS 316	SS 316	ASTM A182 GR.F6a
05	GASKET	GRAFOIL	GRAFOIL	GRAFOIL	GRAFOIL
06	BONNET	ASTM A216 GR.WCB	ASTM A352 GR.LCC	ASTM A351 GR.CF8M	ASTM A217 GR.WC9
07	JOINT STUD JOINT NUT	ASTM A193 GR. B7 ASTM A194 GR. 2H	ASTM A320 GR. L7 ASTM A194 GR. 7	ASTM A193 GR. B8M ASTM A194 GR. 8M	ASTM A193 GR. B7 ASTM A194 GR. 2H
08	BONNET BUSH	ASTM A182 GR.F6a	SS 316	SS 316	ASTM A182 GR.F6a
09	GLAND PACKING	TOP & BOTTOM BRAIDED GRAPHITE & INTERIOR DIE-FORMED FLEXIBLE GRAPHITE			
10	GLAND BUSH	ASTM A182 GR.F6a	SS 316	SS 316	ASTM A182 GR.F6a
11	GLAND FLANGE	ASTM A216 GR.WCB	ASTM A352 GR.LCC	ASTM A351 GR.CF8	ASTM A216 GR.WCB
12	SPACER RING	CARBON STEEL	STAINLESS STEEL	STAINLESS STEEL	CARBON STEEL
13	SEGMENT RING	CARBON STEEL	STAINLESS STEEL	STAINLESS STEEL	CARBON STEEL
14	YOKE	ASTM A216 GR.WCB	ASTM A352 GR.LCC	ASTM A351 GR.CF8M	ASTM A217 GR.WC9
15	GEAR BOX	MANUFACTURING STANDARD			
16	HAND WHEEL	MALLEABLE IRON / SG IRON			

**CAST PRESSURE SEAL GATE VALVE OS & Y
CLASS 900, CLASS 1500 & CLASS 2500**

VALVAX

	SIZE		A (BW)		HW DIA. (ØHW)	H APPX.	WT. Kg APPX.	OPERATING SYSTEM	HYDRO TEST		MODEL NO.
	SP	LP	SP	LP					SHELL	SEAT/BS	
DIMENSIONS DETAIL, 900#	2"	50	216	368	250	545	50	HANDWHEEL	235 Kg/cm ²	172 Kg/cm ²	VEPL-GTV-PS-1311
	2.5"	65	254	419	300	580	75	HANDWHEEL			
	3"	80	305	381	300	595	75	HANDWHEEL			
	4"	100	356	457	400	720	130	HANDWHEEL			
	5"	125	432	559	500	845	190	GEAR BOX			
	6"	150	508	610	500	970	265	GEAR BOX			
	8"	200	660	737	600	1140	430	GEAR BOX			
	10"	250	787	838	400	1345	680	GEAR BOX			
	12"	300	914	965	450	1615	950	GEAR BOX			
	14"	350	991	1029	650	1680	1290	GEAR BOX			
	16"	400	1092	1130	650	2362	1850	GEAR BOX			
	18"	450	--	--	--	--	--	--			
20"	500	--	--	--	--	--	--				
24"	600	--	--	--	--	--	--				
DIMENSIONS DETAIL, 1500#	2"	50	216	368	250	545	55	HANDWHEEL	391 Kg/cm ²	287 Kg/cm ²	VEPL-GTV-PS-1312
	2.5"	65	254	419	300	595	80	HANDWHEEL			
	3"	80	305	470	350	625	90	HANDWHEEL			
	4"	100	406	546	400	900	160	GEAR BOX			
	5"	125	483	673	500	995	190	GEAR BOX			
	6"	150	559	705	600	1085	440	GEAR BOX			
	8"	200	711	832	500	1290	760	GEAR BOX			
	10"	250	864	991	500	1420	1050	GEAR BOX			
	12"	300	991	1130	500	1580	1350	GEAR BOX			
	14"	350	1067	1257	550	2100	1890	GEAR BOX			
	16"	400	1194	1384	600	2457	2830	GEAR BOX			
	18"	450	1346	1537	700	2885	3990	GEAR BOX			
20"	500	1473	1664	700	3353	5205	GEAR BOX				
24"	600	--	--	--	--	--	--				
DIMENSIONS DETAIL, 2500#	2"	50	279	451	250	590	85	HANDWHEEL	651 Kg/cm ²	478 Kg/cm ²	VEPL-GTV-PS-1313
	2.5"	65	330	508	300	650	105	HANDWHEEL			
	3"	80	368	578	350	800	120	HANDWHEEL			
	4"	100	457	673	400	915	395	GEAR BOX			
	5"	125	533	794	500	845	475	GEAR BOX			
	6"	150	610	914	600	1155	520	GEAR BOX			
	8"	200	762	1022	500	1395	980	GEAR BOX			
	10"	250	914	1270	500	1580	1600	GEAR BOX			
	12"	300	1041	1422	600	1860	2120	GEAR BOX			
	14"	350	--	--	--	--	--	--			
	16"	400	--	--	--	--	--	--			
	18"	450	--	--	--	--	--	--			
	20"	500	--	--	--	--	--	--			
	24"	600	--	--	--	--	--	--			





REFERENCE STANDARD

MFG. STD	BS 1873
FACE TO FACE	ASME B16.10
FLANGE END	ASME B16.5
FLANGE RTJ END	ASME B16.5
BUTT WELD END	ASME B16.25
INSP. & TEST.	API 598
PRESS & TEMP.	ASME B16.34

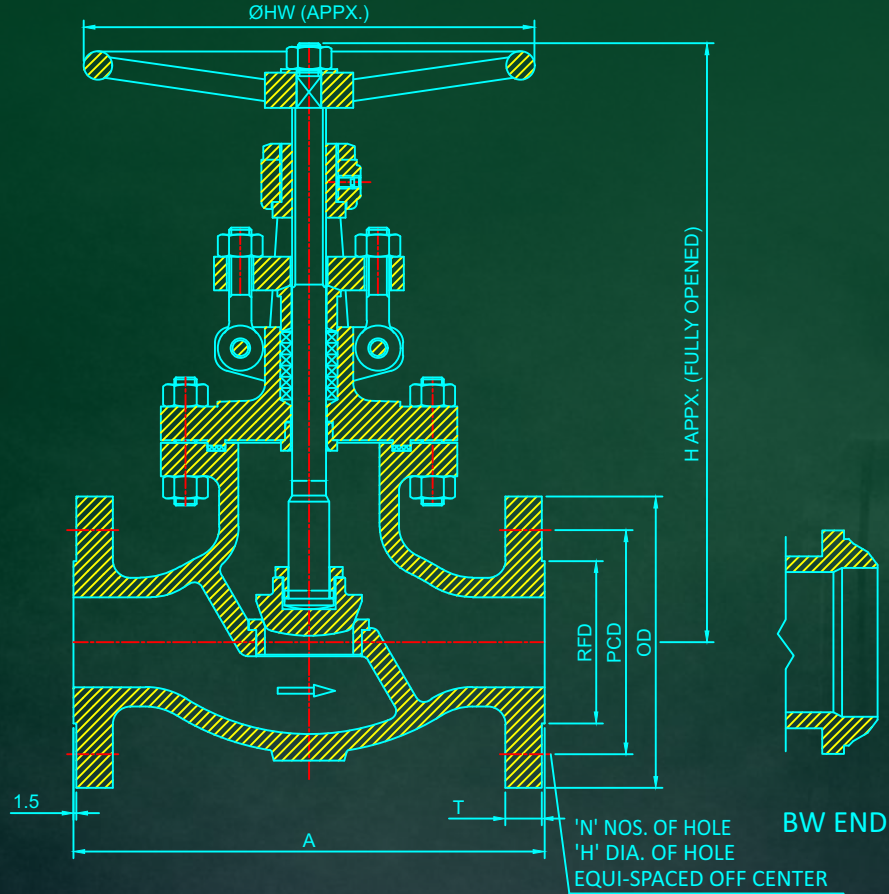
TECHNICAL NOTES:

1. SEAL WELDED SEAT RING.
2. INTEGRAL SEAT RING WITH BODY AND BACK SEAT WITH BONNET SHALL BE PROVIDED WITH STAINLESS STEEL.
3. SEAT AND PLUG STELLITING AS PER API TRIM TABLE.

SR. NO.	DESCRIPTION	MATERIAL OF CONSTRUCTION			
		CARBON STEEL	LOW CARBON STEEL	STAINLESS STEEL	ALLOY STEEL
01	BODY	ASTM A216 GR.WCB	ASTM A352 GR.LCC	ASTM A351 GR.CF8M	ASTM A217 GR.WC9
02	SEAT RING	ASTM A105 + STL6	ASTM A182 F316 + STELLITED 6	ASTM A182 F316 + STELLITED 6	ASTM A182 F22 + STELLITED 6
03	PLUG	ASTM A216 GR.WCB + OVERLAY 13% Cr. OR ASTM A217 GR.CA15	ASTM A352 GR.LCC + OVERLAY 316 OR STELLITED 6	ASTM A351 GR.CF8M OR STELLITED 6	ASTM A217 GR.WC9 + STELLITED 6
04	STEM	ASTM A182 GR.F6a	SS 316	SS 316	ASTM A182 GR.F6a
05	GASKET	SPW SS 304 / SS 316 + GRAPHITE FILLED			
06	BONNET	ASTM A216 GR.WCB	ASTM A352 GR.LCC	ASTM A351 GR.CF8M	ASTM A217 GR.WC9
07	JOINT STUD	ASTM A193 GR. B7	ASTM A320 GR. L7	ASTM A193 GR. B8M	ASTM A193 GR. B7
	JOINT NUT	ASTM A194 GR. 2H	ASTM A194 GR. 7	ASTM A194 GR. 8M	ASTM A194 GR. 2H
08	BONNET BUSH	ASTM A182 GR.F6a	SS 316	SS 316	ASTM A182 GR.F6a
09	GLAND PACKING	TOP & BOTTOM BRAIDED GRAPHITE & INTERIOR DIE-FORMED FLEXIBLE GRAPHITE			
10	GLAND BUSH	ASTM A182 GR.F6a	SS 316	SS 316	ASTM A182 GR.F6a
11	GLAND FLANGE	ASTM A216 GR.WCB	ASTM A352 GR.LCC	ASTM A351 GR.CF8	ASTM A216 GR.WCB
12	YOKE SLEEVE	Ni. RESIST. ASTM A439 GR. D2			
13	HANDWHEEL	MALLEABLE IRON / SG IRON			
14	HANDWHEEL NUT	CARBON STEEL	CARBON STEEL	STAINLESS STEEL	CARBON STEEL
15	GREASE NIPPLE	CARBON STEEL	CARBON STEEL	STAINLESS STEEL	CARBON STEEL
16	GRUB SCREW	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL
17	NAME PLATE	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL

**CAST GLOBE VALVE OS & Y
CLASS 150 & CLASS 300**

VALVAX



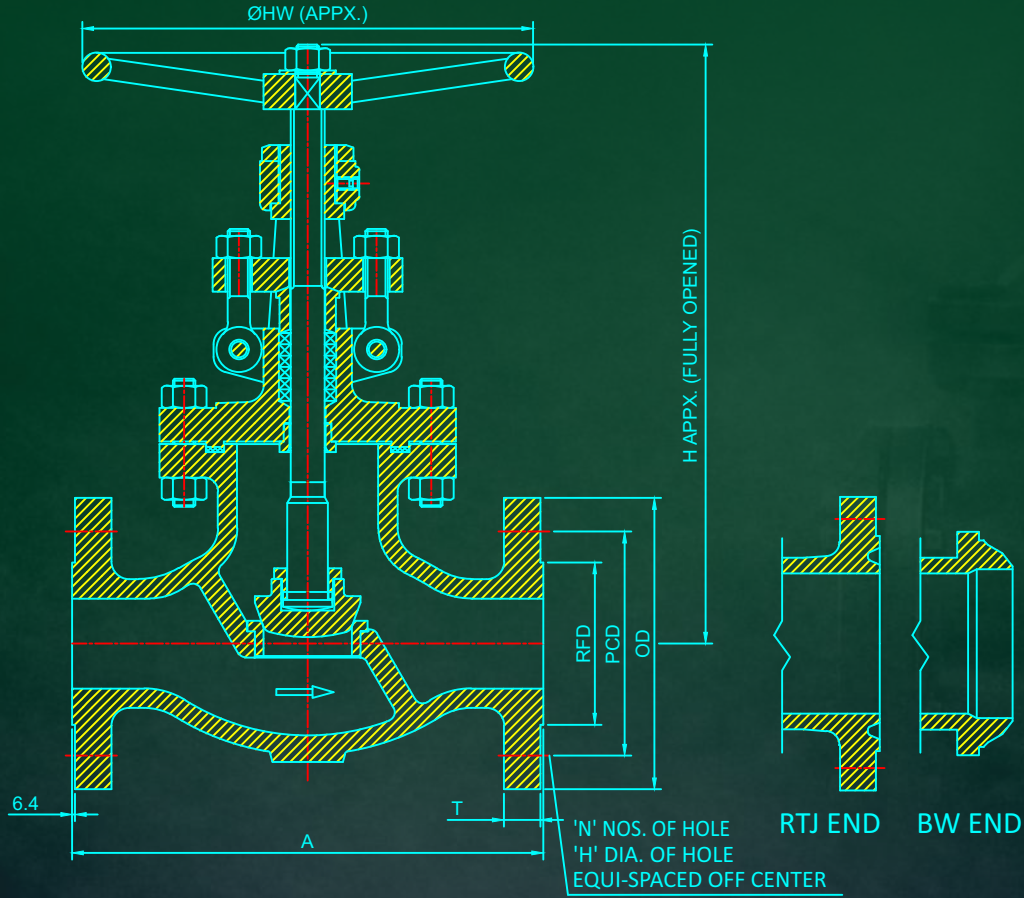
TECHNICAL NOTE 150#:
SEPARATED YOKE 16" AND ABOVE.

TECHNICAL NOTE 300#:
SEPARATED YOKE 16" AND ABOVE.

	SIZE		FACE TO FACE			FLANGE DETAILS, ASME B16.5						HW DIA.	H	WT. Kg	OPERATING	HYDRO TEST					
			A (FE)	A (RTJ)	A (BW)	OD	PCD	RFD	T	ØH	N	(ØHW)	APPX.	APPX.	SYSTEM	SHELL	SEAT/BS				
DIMENSIONS DETAIL, 150#	2"	50	203	216	203	152	120.6	92.1	14.3	19	04	200	320	20	HANDWHEEL	32 Kg/cm ²	22 Kg/cm ²	MODEL NO. VEPL-GLV-BB-1401			
	2.5"	65	216	229	216	178	139.7	104.8	15.7	19	04	200	330	30	HANDWHEEL						
	3"	80	241	254	241	190	152.4	127.0	17.5	19	04	250	380	38	HANDWHEEL						
	4"	100	292	305	292	229	190.5	157.2	22.4	19	08	300	480	57	HANDWHEEL						
	5"	125	356	343	356	254	215.9	185.7	22.4	22	08	300	525	75	HANDWHEEL						
	6"	150	406	419	406	279	241.3	215.9	23.9	22	08	350	575	98	HANDWHEEL						
	8"	200	495	508	495	343	298.4	269.9	26.9	22	08	450	650	174	HANDWHEEL						
	10"	250	622	635	622	406	362.0	323.8	28.4	25	12	500	780	282	HANDWHEEL						
	12"	300	698	711	698	483	431.8	381.0	30.2	25	12	600	935	395	HANDWHEEL						
	14"	350	787	800	787	533	476.2	412.8	33.3	29	12	700	1185	620	GEAR BOX						
	16"	400	914	927	914	597	539.8	469.9	35.1	29	16	700	1250	790	GEAR BOX						
	18"	450	--	--	--	--	--	--	--	--	--	--	--	--	--				--	--	--
20"	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
24"	600	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
DIMENSIONS DETAIL, 300#	2"	50	267	283	267	165	127.0	92.1	20.6	19	08	200	360	32	HANDWHEEL	78 Kg/cm ²	58 Kg/cm ²	MODEL NO. VEPL-GLV-BB-1402			
	2.5"	65	292	308	292	190	149.4	104.8	23.9	22	08	250	410	45	HANDWHEEL						
	3"	80	318	334	318	210	168.1	127.0	26.9	22	08	300	450	60	HANDWHEEL						
	4"	100	356	372	356	254	200.2	157.2	30.2	22	08	350	530	95	HANDWHEEL						
	5"	125	400	416	400	279	235.0	185.7	33.3	22	08	400	590	125	HANDWHEEL						
	6"	150	444	460	444	318	269.7	215.9	35.1	22	12	450	650	150	HANDWHEEL						
	8"	200	559	575	559	381	330.2	269.9	39.6	25	12	600	735	235	HANDWHEEL						
	10"	250	622	638	622	444	387.4	323.8	46.0	29	16	650	825	390	GEAR BOX						
	12"	300	711	727	711	521	450.8	381.0	49.3	32	16	700	950	590	GEAR BOX						
	14"	350	--	--	--	--	--	--	--	--	--	--	--	--	--				--	--	--
	16"	400	--	--	--	--	--	--	--	--	--	--	--	--	--				--	--	--
	18"	450	--	--	--	--	--	--	--	--	--	--	--	--	--				--	--	--
	20"	500	--	--	--	--	--	--	--	--	--	--	--	--	--				--	--	--
	24"	600	--	--	--	--	--	--	--	--	--	--	--	--	--				--	--	--

**CAST GLOBE VALVE OS & Y
CLASS 600 & CLASS 900**

VALVAX



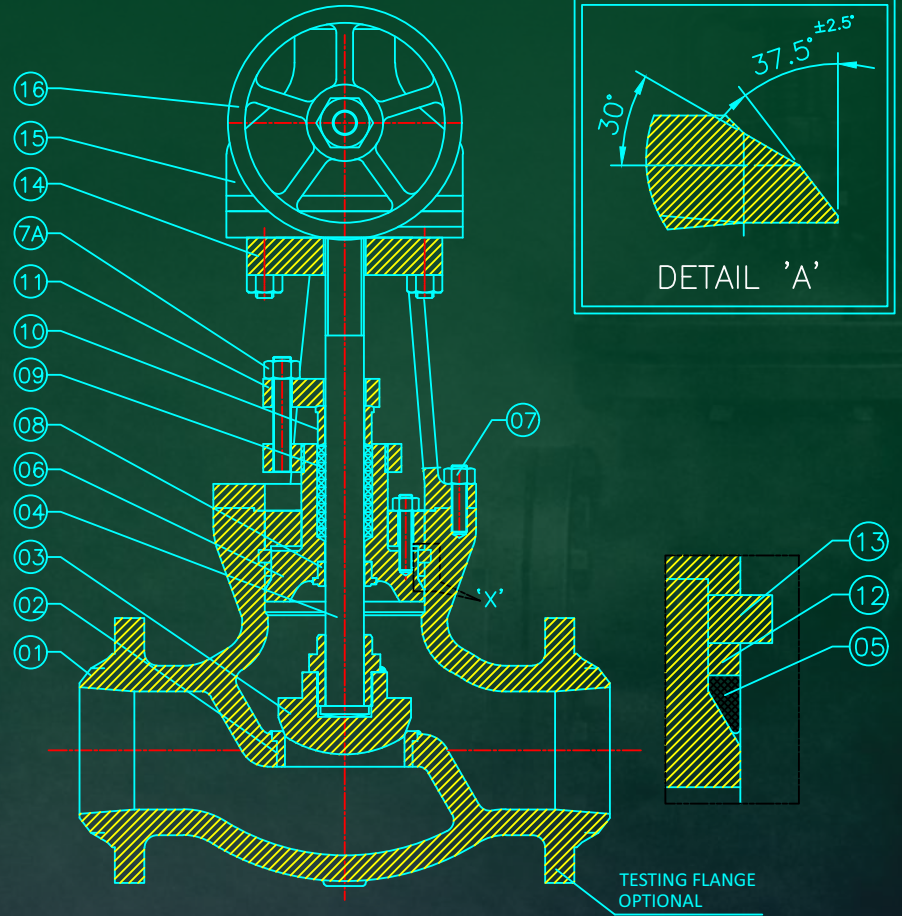
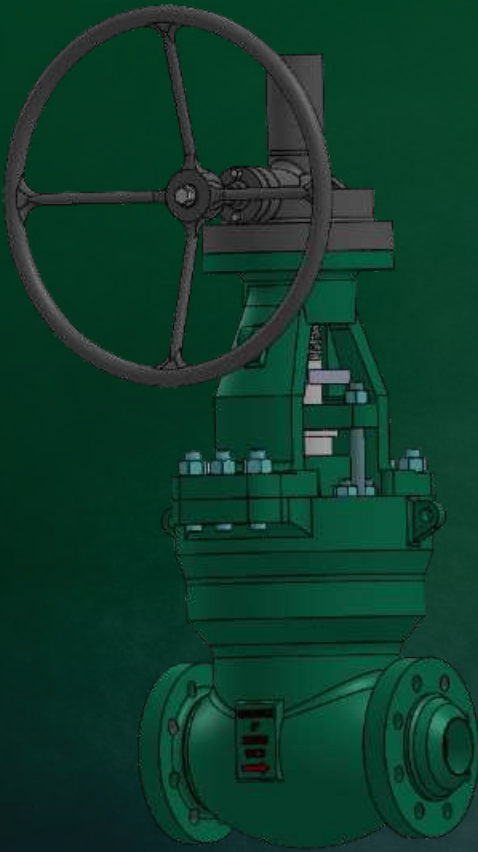
TECHNICAL NOTE 600#:
SEPARATED YOKE 12" AND ABOVE.

TECHNICAL NOTE 900#:
SEPARATED YOKE 12" AND ABOVE.

	SIZE		FACE TO FACE			FLANGE DETAILS, ASME B16.5					HW DIA.	H	WT. Kg	OPERATING SYSTEM	HYDRO TEST			
			A (FE)	A (RTJ)	A (BW)	OD	PCD	RFD	T	ØH	N	(ØHW)	APPX.		APPX.	SHELL	SEAT/BS	
DIMENSIONS DETAIL, 600#	2"	50	292	295	292	165	127.0	92.1	25.4	19	08	250	400	35	HANDWHEEL	159 Kg/cm ²	115 Kg/cm ²	
	2.5"	65	330	333	330	190	149.4	104.8	28.4	22	08	300	425	40	HANDWHEEL			
	3"	80	356	359	356	210	168.1	127.0	31.8	22	08	350	490	68	HANDWHEEL			
	4"	100	432	435	432	273	215.9	157.2	38.1	25	08	400	635	128	HANDWHEEL			
	5"	125	508	511	508	330	266.7	185.7	44.4	29	08	450	685	185	HANDWHEEL			
	6"	150	559	562	559	356	292.1	215.9	47.8	29	12	500	740	250	HANDWHEEL			
	8"	200	660	663	660	419	349.2	269.9	55.6	32	12	600	975	435	GEAR BOX			
	10"	250	787	790	787	508	431.8	323.8	63.5	35	16	650	1080	825	GEAR BOX			
	12"	300	838	841	838	559	489.0	381.0	66.5	35	20	700	1230	910	GEAR BOX			
	14"	350	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	16"	400	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	18"	450	--	--	--	--	--	--	--	--	--	--	--	--	--			--
20"	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
24"	600	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
DIMENSIONS DETAIL, 900#	2"	50	368	371	368	216	165.1	92.1	38.1	25	08	300	505	85	HANDWHEEL	235 Kg/cm ²	172 Kg/cm ²	
	2.5"	65	419	422	419	244	190.5	104.8	41.1	29	08	400	605	140	HANDWHEEL			
	3"	80	381	384	381	241	190.5	127.0	38.1	25	08	400	710	240	HANDWHEEL			
	4"	100	457	460	457	292	235.0	157.2	44.5	32	08	500	895	450	HANDWHEEL			
	5"	125	559	562	559	349	279.4	185.7	50.8	35	08	550	980	810	GEAR BOX			
	6"	150	610	613	610	381	317.5	215.9	55.6	32	12	600	1150	1100	GEAR BOX			
	8"	200	737	740	737	470	393.7	269.9	63.5	38	12	700	1360	1350	GEAR BOX			
	10"	250	838	841	838	546	469.9	323.8	69.8	38	16	700	1520	1510	GEAR BOX			
	12"	300	965	968	965	610	533.4	381.0	79.2	38	20	750	1630	1690	GEAR BOX			
	14"	350	1029	1039	1029	641	558.8	412.8	85.9	41	20	800	1830	1905	GEAR BOX			
	16"	400	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	18"	450	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	20"	500	--	--	--	--	--	--	--	--	--	--	--	--	--			--
	24"	600	--	--	--	--	--	--	--	--	--	--	--	--	--			--

MODEL NO. VEPL-GLV-BB-1403

MODEL NO. VEPL-GLV-BB-1404



REFERENCE STANDARD

MFG. STD	ASME B16.34
BUTT WELD END	ASME B16.25
INSP. & TEST.	API 598
PRESS & TEMP.	ASME B16.34

TECHNICAL NOTES:

1. SEAL WELDED SEAT RING.
2. INTEGRAL SEAT RING WITH BODY AND BACK SEAT WITH BONNET SHALL BE PROVIDED WITH STAINLESS STEEL.

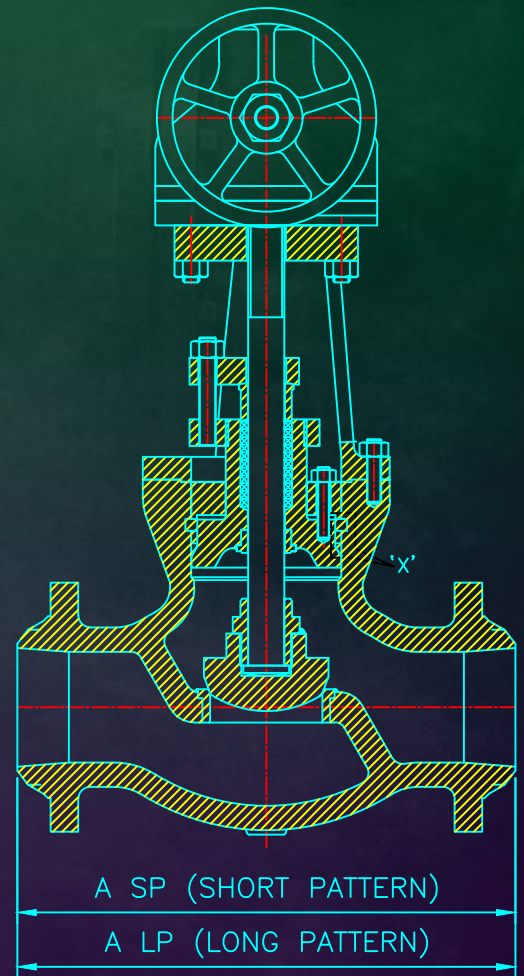
MATERIAL OF CONSTRUCTION

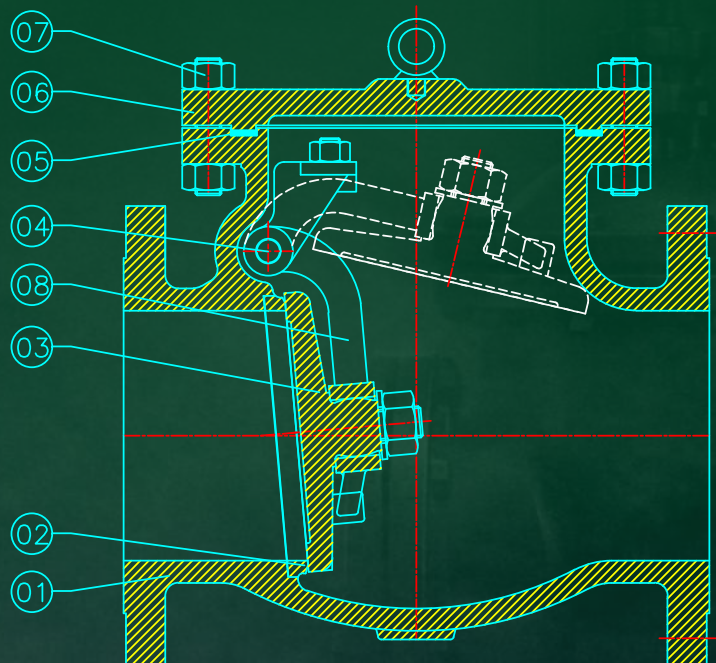
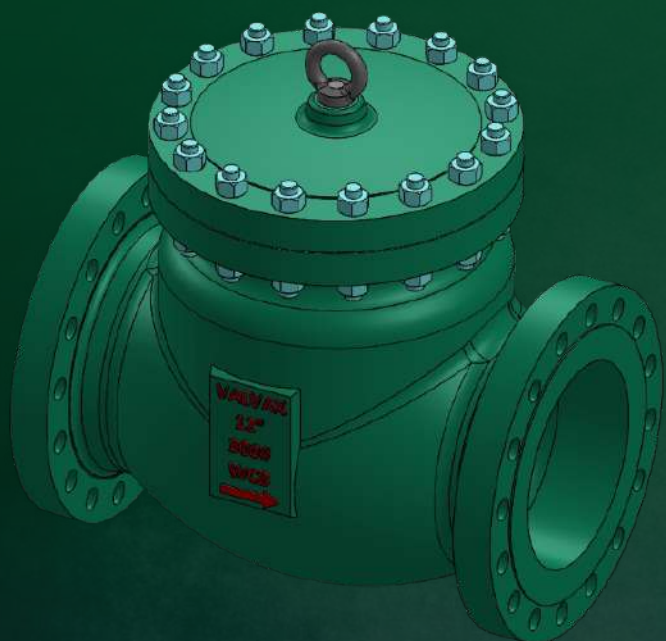
SR. NO.	DESCRIPTION	MATERIAL OF CONSTRUCTION			
		CARBON STEEL	LOW CARBON STEEL	STAINLESS STEEL	ALLOY STEEL
01	BODY	ASTM A216 GR.WCB	ASTM A352 GR.LCC	ASTM A351 GR.CF8M	ASTM A217 GR.WC9
02	SEAT RING	ASTM A105 + STL6	ASTM A182 F316 + STELLITED 6	ASTM A182 F316 + STELLITED 6	ASTM A182 F22 + STELLITED 6
03	PLUG	ASTM A216 GR.WCB + OVERLAY 13% Cr. OR ASTM A217 GR.CA15	ASTM A352 GR.LCC + OVERLAY 316 OR STELLITED 6	ASTM A351 GR.CF8M OR STELLITED 6	ASTM A217 GR.WC9 + STELLITED 6
04	STEM	ASTM A182 GR.F6a	SS 316	SS 316	ASTM A182 GR.F6a
05	GASKET	GRAFOIL	GRAFOIL	GRAFOIL	GRAFOIL
06	BONNET	ASTM A216 GR.WCB	ASTM A352 GR.LCC	ASTM A351 GR.CF8M	ASTM A217 GR.WC9
07	JOINT STUD	ASTM A193 GR. B7	ASTM A320 GR. L7	ASTM A193 GR. B8M	ASTM A193 GR. B7
	JOINT NUT	ASTM A194 GR. 2H	ASTM A194 GR. 7	ASTM A194 GR. 8M	ASTM A194 GR. 2H
08	BONNET BUSH	ASTM A182 GR.F6a	SS 316	SS 316	ASTM A182 GR.F6a
09	GLAND PACKING	TOP & BOTTOM BRAIDED GRAPHITE & INTERIOR DIE-FORMED FLEXIBLE GRAPHITE			
10	GLAND BUSH	ASTM A182 GR.F6a	SS 316	SS 316	ASTM A182 GR.F6a
11	GLAND FLANGE	ASTM A216 GR.WCB	ASTM A352 GR.LCC	ASTM A351 GR.CF8	ASTM A216 GR.WCB
12	SPACER RING	CARBON STEEL	STAINLESS STEEL	STAINLESS STEEL	CARBON STEEL
13	SEGMENT RING	CARBON STEEL	STAINLESS STEEL	STAINLESS STEEL	CARBON STEEL
14	YOKE	ASTM A216 GR.WCB	ASTM A352 GR.LCC	ASTM A351 GR.CF8M	ASTM A217 GR.WC9
15	GEAR BOX	MANUFACTURING STANDARD			
16	HAND WHEEL	MALLEABLE IRON / SG IRON			

CAST PRESSURE SEAL GLOBE VALVE OS & Y CLASS 900, CLASS 1500 & CLASS 2500

VALVAX

	SIZE		A (BW)		HW DIA. (ØHW)	H APPX.	WT. Kg APPX.	OPERATING SYSTEM	HYDRO TEST		
			SP	LP					SHELL	SEAT/BS	
DIMENSIONS DETAIL, 900#	2"	50	216	368	250	460	60	HANDWHEEL	235 Kg/cm ²	172 Kg/cm ²	MODEL NO. VEPL-GLV-PS-1411
	2.5"	65	254	419	300	580	75	HANDWHEEL			
	3"	80	305	381	300	600	90	HANDWHEEL			
	4"	100	356	457	400	740	250	GEAR BOX			
	5"	125	432	559	500	860	310	GEAR BOX			
	6"	150	508	610	500	950	550	GEAR BOX			
	8"	200	660	737	700	1040	770	GEAR BOX			
	10"	250	787	838	400	1120	990	GEAR BOX			
	12"	300	914	965	450	1475	1290	GEAR BOX			
	14"	350	991	1029	650	1590	1610	GEAR BOX			
	16"	400	1092	--	650	2295	2310	GEAR BOX			
	18"	450	--	--	--	--	--	--			
	20"	500	--	--	--	--	--	--			
	24"	600	--	--	--	--	--	--			
DIMENSIONS DETAIL, 1500#	2"	50	216	368	350	490	65	HANDWHEEL	391 Kg/cm ²	287 Kg/cm ²	MODEL NO. VEPL-GLV-PS-1412
	2.5"	65	254	419	400	610	85	HANDWHEEL			
	3"	80	305	470	450	785	105	HANDWHEEL			
	4"	100	406	546	500	810	235	GEAR BOX			
	5"	125	483	673	600	990	340	GEAR BOX			
	6"	150	559	705	700	1080	500	GEAR BOX			
	8"	200	711	832	500	1150	740	GEAR BOX			
	10"	250	864	991	600	1395	1010	GEAR BOX			
	12"	300	991	1130	700	1465	1300	GEAR BOX			
	14"	350	1067	1257	700	1995	1910	GEAR BOX			
	16"	400	1194	--	750	2285	2910	GEAR BOX			
	18"	450	--	--	--	--	--	--			
	20"	500	--	--	--	--	--	--			
	24"	600	--	--	--	--	--	--			
DIMENSIONS DETAIL, 2500#	2"	50	279	451	400	610	95	HANDWHEEL	651 Kg/cm ²	478 Kg/cm ²	MODEL NO. VEPL-GLV-PS-1413
	2.5"	65	330	508	450	750	115	HANDWHEEL			
	3"	80	368	578	500	795	270	GEAR BOX			
	4"	100	457	673	500	975	375	GEAR BOX			
	5"	125	533	794	600	1075	510	GEAR BOX			
	6"	150	610	914	600	1120	620	GEAR BOX			
	8"	200	762	1022	700	1330	1085	GEAR BOX			
	10"	250	914	1270	700	1600	1750	GEAR BOX			
	12"	300	1041	1422	700	1800	2230	GEAR BOX			
	14"	350	--	--	--	--	--	--			
	16"	400	--	--	--	--	--	--			
	18"	450	--	--	--	--	--	--			
	20"	500	--	--	--	--	--	--			
	24"	600	--	--	--	--	--	--			





REFERENCE STANDARD

MFG. STD	BS 1868
FACE TO FACE	ASME B16.10
FLANGE END	ASME B16.5
FLANGE RTJ END	ASME B16.5
BUTT WELD END	ASME B16.25
INSP. & TEST.	API 598
PRESS & TEMP.	ASME B16.34

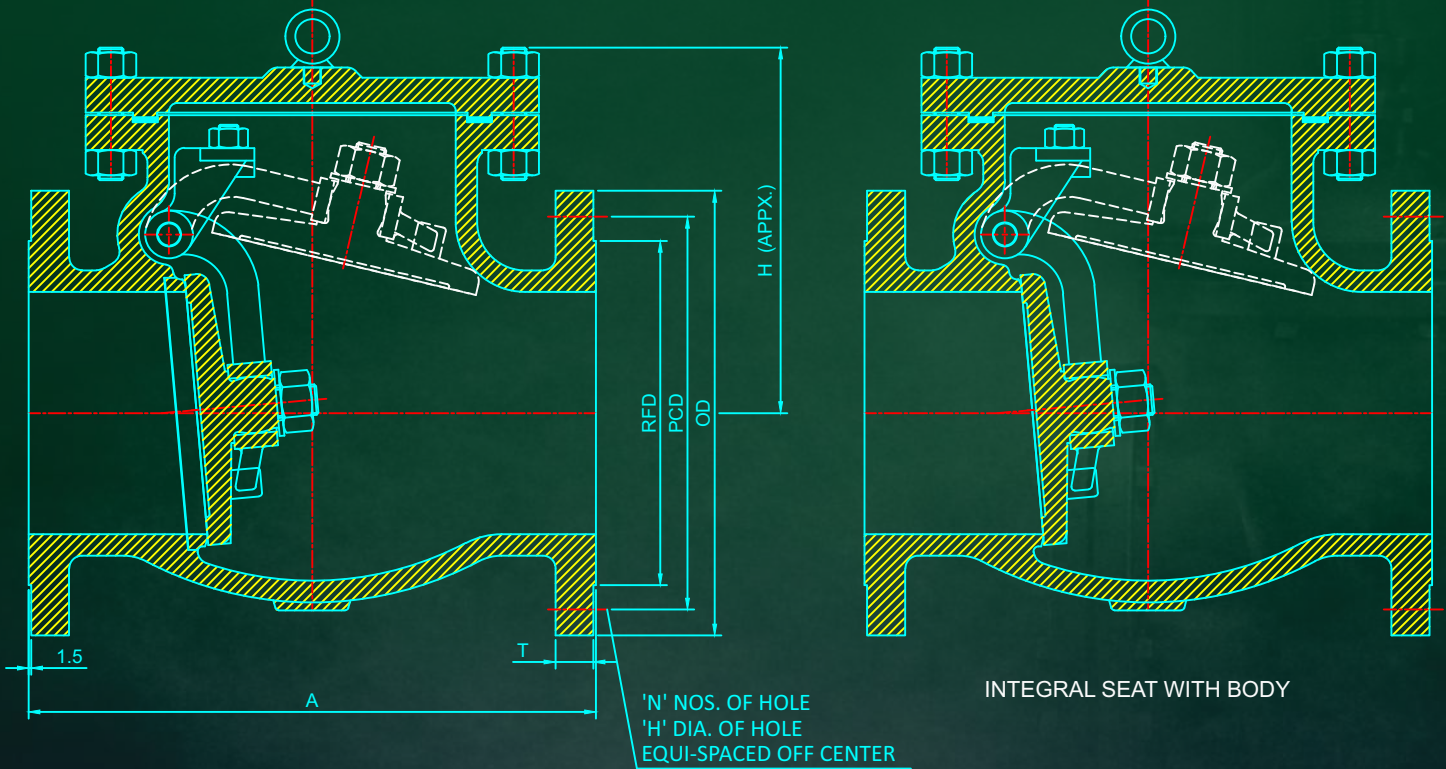
TECHNICAL NOTES:

1. SEAL WELDED SEAT RING.
2. INTEGRAL SEAT RING WITH BODY SHALL BE PROVIDED WITH STAINLESS STEEL.

SR. NO.	DESCRIPTION	MATERIAL OF CONSTRUCTION			
		CARBON STEEL	LOW CARBON STEEL	STAINLESS STEEL	ALLOY STEEL
01	BODY	ASTM A216 GR.WCB	ASTM A352 GR.LCC	ASTM A351 GR.CF8M	ASTM A217 GR.WC9
02	SEAT RING	ASTM A105 + STL6	ASTM A182 F316 + STELLITED 6	ASTM A182 F316 + STELLITED 6	ASTM A182 F22 + STELLITED 6
03	DISC	ASTM A216 GR.WCB + OVERLAY 13% Cr. OR ASTM A217 GR.CA15	ASTM A352 GR.LCC + OVERLAY 316 OR STELLITED 6	ASTM A351 GR.CF8M OR STELLITED 6	ASTM A217 GR.WC9 + STELLITED 6
04	HINGE PIN	ASTM A182 GR.F6a	SS 316	SS 316	ASTM A182 GR.F6a
05	GASKET	SPW SS 304 / SS 316 + GRAPHITE FILLED			
06	COVER	ASTM A216 GR.WCB	ASTM A352 GR.LCC	ASTM A351 GR.CF8M	ASTM A217 GR.WC9
07	JOINT STUD	ASTM A193 GR. B7	ASTM A320 GR. L7	ASTM A193 GR. B8M	ASTM A193 GR. B7
	JOINT NUT	ASTM A194 GR. 2H	ASTM A194 GR. 7	ASTM A194 GR. 8M	ASTM A194 GR. 2H
08	HINGE	ASTM A216 GR.WCB	ASTM A352 GR.LCC	ASTM A351 GR.CF8M	ASTM A217 GR.WC9

**CAST SWING CHECK VALVE
CLASS 150 & CLASS 300**

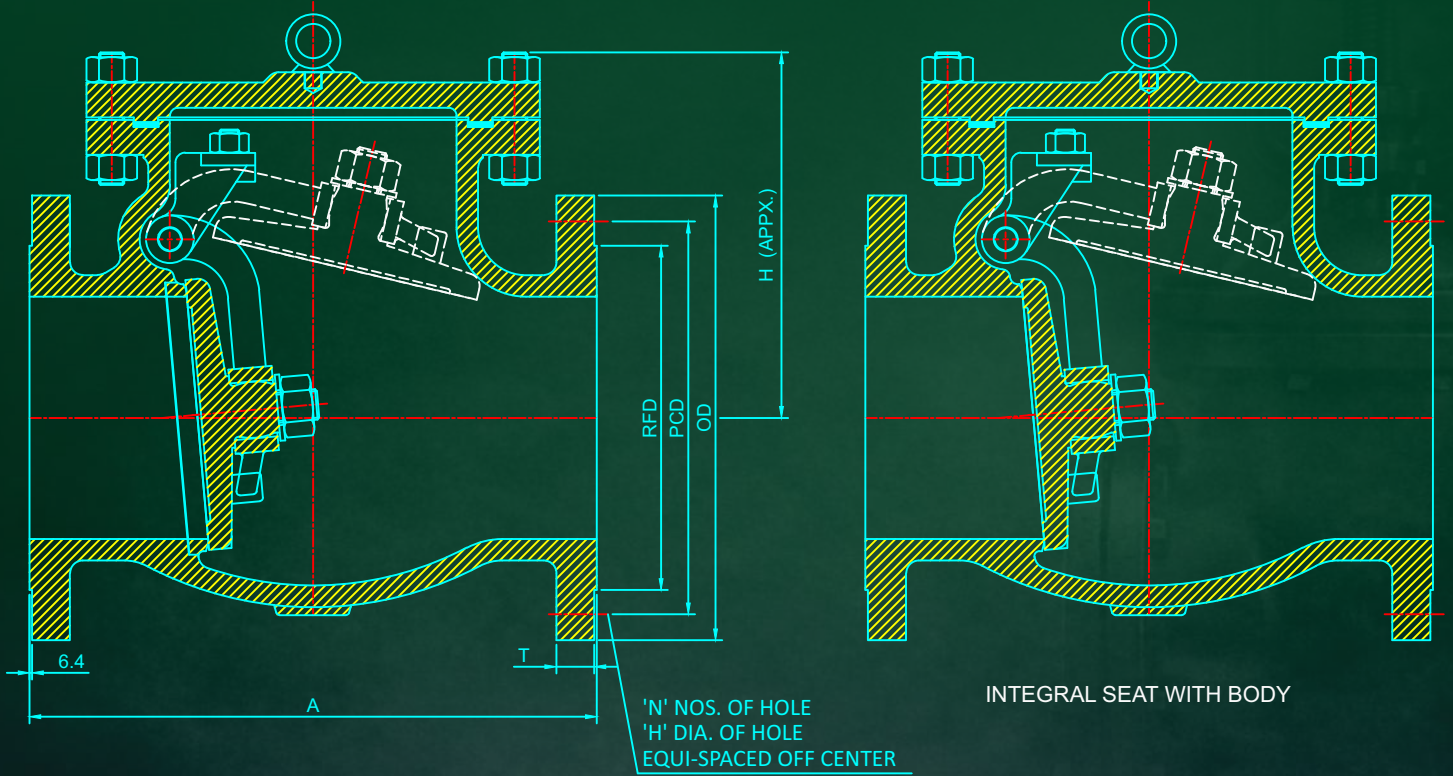
VALVAX



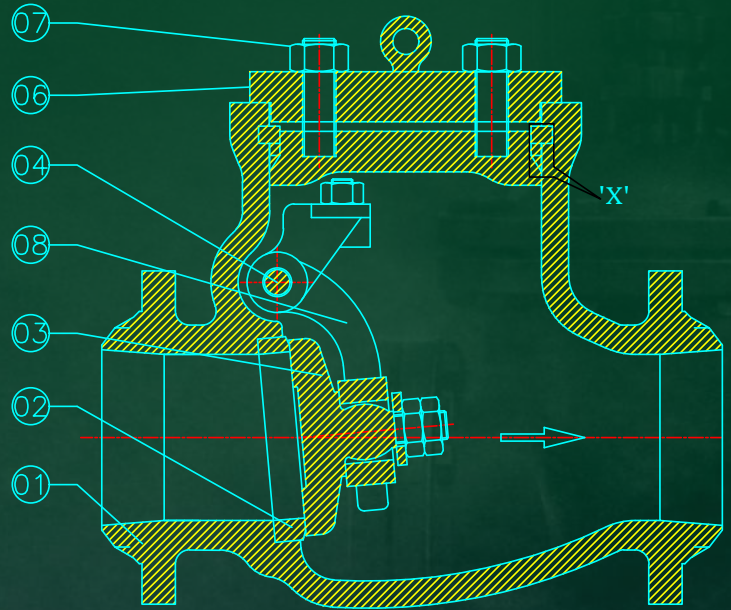
	SIZE		FACE TO FACE			FLANGE DETAILS, ASME B16.5						H APPX.	WT. Kg APPX.	HYDRO TEST		MODEL NO.
			A (FE)	A (RTJ)	A (BW)	OD	PCD	RFD	T	ØH	N			SHELL	SEAT	
DIMENSIONS DETAIL, 150#	2"	50	203	216	203	152	120.6	92.1	14.3	19	04	146	18	32 Kg/cm ²	22 Kg/cm ²	MODEL NO. VEPL-SCV-BB-1501
	2.5"	65	216	229	216	178	139.7	104.8	15.7	19	04	165	25			
	3"	80	241	254	241	190	152.4	127.0	17.5	19	04	170	30			
	4"	100	292	305	292	229	190.5	157.2	22.4	19	08	205	50			
	5"	125	330	343	330	254	215.9	185.7	22.4	22	08	225	70			
	6"	150	356	369	356	279	241.3	215.9	23.9	22	08	255	85			
	8"	200	495	508	495	343	298.4	269.9	26.9	22	08	300	125			
	10"	250	622	635	622	406	362.0	323.8	28.4	25	12	340	220			
	12"	300	698	711	698	483	431.8	381.0	30.2	25	12	465	315			
	14"	350	787	800	787	533	476.2	412.8	33.3	29	12	485	450			
	16"	400	864	877	864	597	539.8	469.9	35.1	29	16	545	570			
	18"	450	978	991	978	635	577.8	533.4	38.1	32	16	595	725			
20"	500	978	991	978	698	635.0	584.2	41.1	32	20	600	1050				
24"	600	1295	1308	1295	813	749.3	692.2	46.0	35	20	750	1310				
DIMENSIONS DETAIL, 300#	2"	50	267	283	267	165	127.0	92.1	20.6	19	08	155	25	78 Kg/cm ²	58 Kg/cm ²	MODEL NO. VEPL-SCV-BB-1502
	2.5"	65	292	308	292	190	149.4	104.8	23.9	22	08	185	40			
	3"	80	318	334	318	210	168.1	127.0	26.9	22	08	200	60			
	4"	100	356	372	356	254	200.2	157.2	30.2	22	08	220	80			
	5"	125	400	416	400	279	235.0	185.7	33.3	22	08	245	105			
	6"	150	444	460	444	318	269.7	215.9	35.1	22	12	275	130			
	8"	200	533	549	533	381	330.2	269.9	39.6	25	12	300	215			
	10"	250	622	638	622	444	387.4	323.8	46.0	29	16	375	345			
	12"	300	711	727	711	521	450.8	381.0	49.3	32	16	430	470			
	14"	350	838	854	838	584	514.4	412.8	52.3	32	20	520	685			
	16"	400	864	880	864	648	571.5	469.9	55.6	35	20	560	998			
	18"	450	978	994	978	711	628.6	533.4	58.7	35	24	610	1050			
20"	500	1016	1035	1016	775	685.8	584.2	62.0	35	24	686	1220				
24"	600	1346	1368	1346	914	812.8	692.2	68.3	41	24	---	---				

**CAST SWING CHECK VALVE
CLASS 600 & CLASS 900**

VALVAX



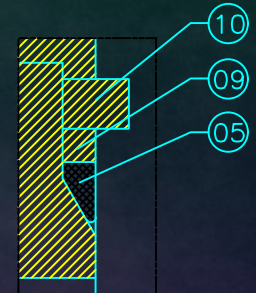
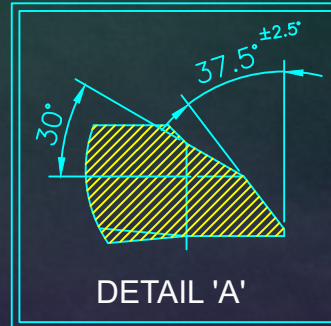
			FACE TO FACE			FLANGE DETAILS, ASME B16.5						H	WT. Kg	HYDRO TEST		
	SIZE		A (FE)	A (RTJ)	A (BW)	OD	PCD	RFD	T	ØH	N	APPX.	APPX.	SHELL	SEAT	
DIMENSIONS DETAIL, 600#	2"	50	292	295	292	165	127.0	92.1	25.4	19	08	160	18	159 Kg/cm ²	115 Kg/cm ²	MODEL NO. VEPL-SCV-BB-1503
	2.5"	65	330	333	330	190	149.4	104.8	28.4	22	08	205	25			
	3"	80	356	359	356	210	168.1	127.0	31.8	22	08	230	30			
	4"	100	432	435	432	273	215.9	157.2	38.1	25	08	280	50			
	5"	125	508	511	508	330	266.7	185.7	44.4	29	08	290	70			
	6"	150	559	562	559	356	292.1	215.9	47.8	29	12	330	85			
	8"	200	660	663	660	419	349.2	269.9	55.6	32	12	360	125			
	10"	250	787	790	787	508	431.8	323.8	63.5	35	16	475	220			
	12"	300	838	841	838	559	489.0	381.0	66.5	35	20	555	315			
	14"	350	889	892	889	603	527.0	412.8	69.8	38	20	580	450			
16"	400	991	994	991	686	603.2	469.9	76.2	42	20	665	570				
18"	450	1092	1095	1092	743	654.0	533.4	82.6	45	20	720	725				
20"	500	1194	1200	1194	813	723.9	584.2	88.9	45	24	815	1050				
24"	600	1397	1407	1397	940	838.2	692.2	101.6	50	24	950	1310				
DIMENSIONS DETAIL, 900#	2"	50	368	371	368	216	165.1	92.1	38.1	25	08	155	25	235 Kg/cm ²	172 Kg/cm ²	MODEL NO. VEPL-SCV-BB-1504
	2.5"	65	419	422	419	244	190.5	104.8	41.1	29	08	185	40			
	3"	80	381	384	381	241	190.5	127.0	38.1	25	08	200	60			
	4"	100	457	460	457	292	235.0	157.2	44.5	32	08	220	80			
	5"	125	559	562	559	349	279.4	185.7	50.8	35	08	245	105			
	6"	150	610	613	610	381	317.5	215.9	55.6	32	12	275	130			
	8"	200	737	740	737	470	393.7	269.9	63.5	38	12	300	215			
	10"	250	838	841	838	546	469.9	323.8	69.8	38	16	375	345			
	12"	300	965	968	965	610	533.4	381.0	79.2	38	20	430	470			
	14"	350	1029	1039	1029	641	558.8	412.8	85.9	41	20	520	685			
	16"	400	--	--	--	--	--	--	--	--	--	--	--			
	18"	450	--	--	--	--	--	--	--	--	--	--	--			
	20"	500	--	--	--	--	--	--	--	--	--	--	--			
	24"	600	--	--	--	--	--	--	--	--	--	--	--			



REFERENCE STANDARD	
MFG. STD	ASME B16.34
BUTT WELD END	ASME B16.25
INSP. & TEST.	API 598
PRESS & TEMP.	ASME B16.34

TECHNICAL NOTES:

1. SEAL WELDED SEAT RING.
2. INTEGRAL SEAT RING WITH BODY SHALL BE PROVIDED WITH STAINLESS STEEL.



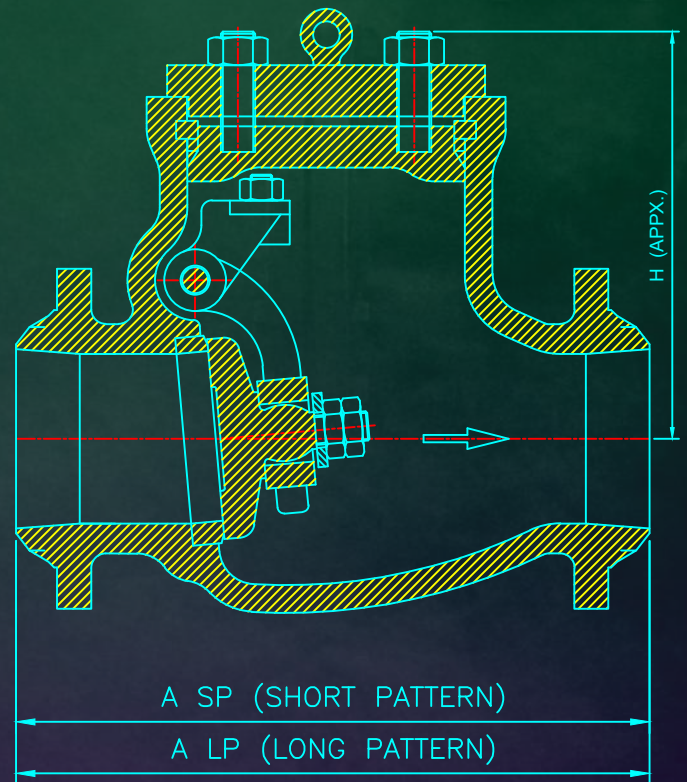
SR. NO.	DESCRIPTION	MATERIAL OF CONSTRUCTION			
		CARBON STEEL	LOW CARBON STEEL	STAINLESS STEEL	ALLOY STEEL
01	BODY	ASTM A216 GR.WCB	ASTM A352 GR.LCC	ASTM A351 GR.CF8M	ASTM A217 GR.WC9
02	SEAT RING	ASTM A105 + STL6	ASTM A182 F316 + STELLITED 6	ASTM A182 F316 + STELLITED 6	ASTM A182 F22 + STELLITED 6
03	DISC	ASTM A216 GR.WCB + OVERLAY 13% Cr. OR ASTM A217 GR.CA15	ASTM A352 GR.LCC + OVERLAY 316 OR STELLITED 6	ASTM A351 GR.CF8M OR STELLITED 6	ASTM A217 GR.WC9 + STELLITED 6
04	HINGE PIN	ASTM A182 GR.F6a	SS 316	SS 316	ASTM A182 GR.F6a
05	GASKET	GRAFOIL	GRAFOIL	GRAFOIL	GRAFOIL
06	COVER	ASTM A216 GR.WCB	ASTM A352 GR.LCC	ASTM A351 GR.CF8M	ASTM A217 GR.WC9
07	JOINT STUD JOINT NUT	ASTM A193 GR. B7 ASTM A194 GR. 2H	ASTM A320 GR. L7 ASTM A194 GR. 7	ASTM A193 GR. B8M ASTM A194 GR. 8M	ASTM A193 GR. B7 ASTM A194 GR. 2H
08	HINGE	ASTM A216 GR.WCB	ASTM A352 GR.LCC	ASTM A351 GR.CF8M	ASTM A217 GR.WC9
09	SPACER RING	CARBON STEEL	STAINLESS STEEL	STAINLESS STEEL	CARBON STEEL
10	SEGMENT RING	CARBON STEEL	STAINLESS STEEL	STAINLESS STEEL	CARBON STEEL

CAST SWING CHECK VALVE

CLASS 900, CLASS 1500 & CLASS 2500

VALVAX

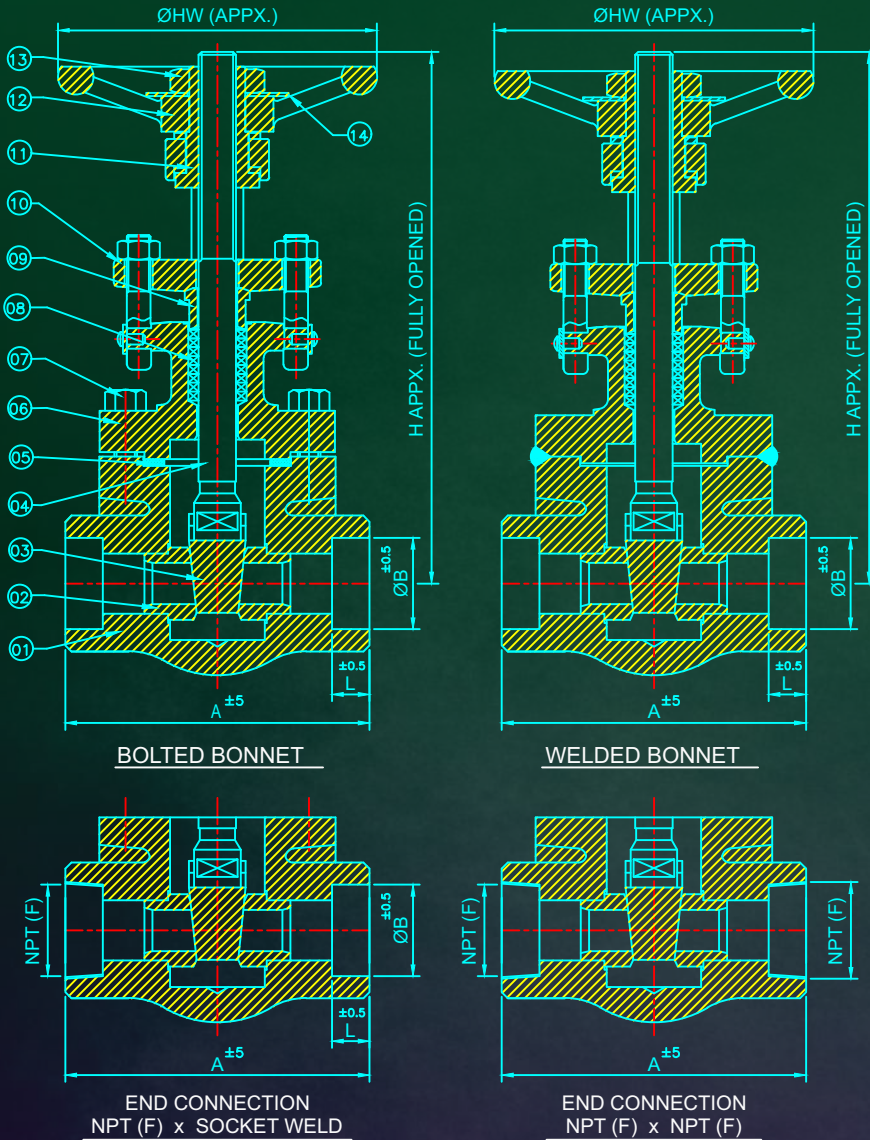
	SIZE		A (BW)		H APPX.	WT. Kg APPX.	HYDRO TEST		
			SP	LP			SHELL	SEAT	
DIMENSIONS DETAIL, 900#	2"	50	216	368	260	76	235 Kg/cm ²	172 Kg/cm ²	MODEL NO. VEPL-SCV-PS-1511
	2.5"	65	254	419	275	86			
	3"	80	305	381	295	102			
	4"	100	356	457	350	155			
	5"	125	432	559	405	215			
	6"	150	508	610	450	290			
	8"	200	660	737	530	625			
	10"	250	787	838	600	--			
	12"	300	914	965	710	--			
	14"	350	991	1029	825	--			
	16"	400	1092	1130	950	--			
	18"	450	--	--	--	--			
	20"	500	--	--	--	--			
24"	600	--	--	--	--				
DIMENSIONS DETAIL, 1500#	2"	50	216	368	260	82	391 Kg/cm ²	287 Kg/cm ²	MODEL NO. VEPL-SCV-PS-1512
	2.5"	65	254	419	295	95			
	3"	80	305	470	320	140			
	4"	100	406	546	370	230			
	5"	125	483	673	418	375			
	6"	150	559	705	460	432			
	8"	200	711	832	615	784			
	10"	250	864	991	660	--			
	12"	300	991	1130	750	--			
	14"	350	1067	1257	855	--			
	16"	400	1194	1384	965	--			
	18"	450	--	--	--	--			
	20"	500	--	--	--	--			
24"	600	--	--	--	--				
DIMENSIONS DETAIL, 2500#	2"	50	279	451	330	102	651 Kg/cm ²	478 Kg/cm ²	MODEL NO. VEPL-SCV-PS-1513
	2.5"	65	330	508	349	187			
	3"	80	368	578	368	225			
	4"	100	457	673	432	370			
	5"	125	533	794	480	480			
	6"	150	610	914	508	595			
	8"	200	762	1022	762	926			
	10"	250	914	1270	830	--			
	12"	300	1041	1422	910	--			
	14"	350	--	--	--	--			
	16"	400	--	--	--	--			
	18"	450	--	--	--	--			
	20"	500	--	--	--	--			
24"	600	--	--	--	--				



FORGE GATE VALVE

CLASS 800, CLASS 1500 & CLASS 2500

VALVAX



REFERENCE STANDARD	
MFG. STD	API 602/ISO 15761
FACE TO FACE	MFG. STD.
BUTT WELD END	ASME B16.25
SOCKET WELD END	ASME B16.11
SCREWED END	ASME B1.20.1
INSP. & TEST.	API 598
PRESS & TEMP.	ASME B16.34

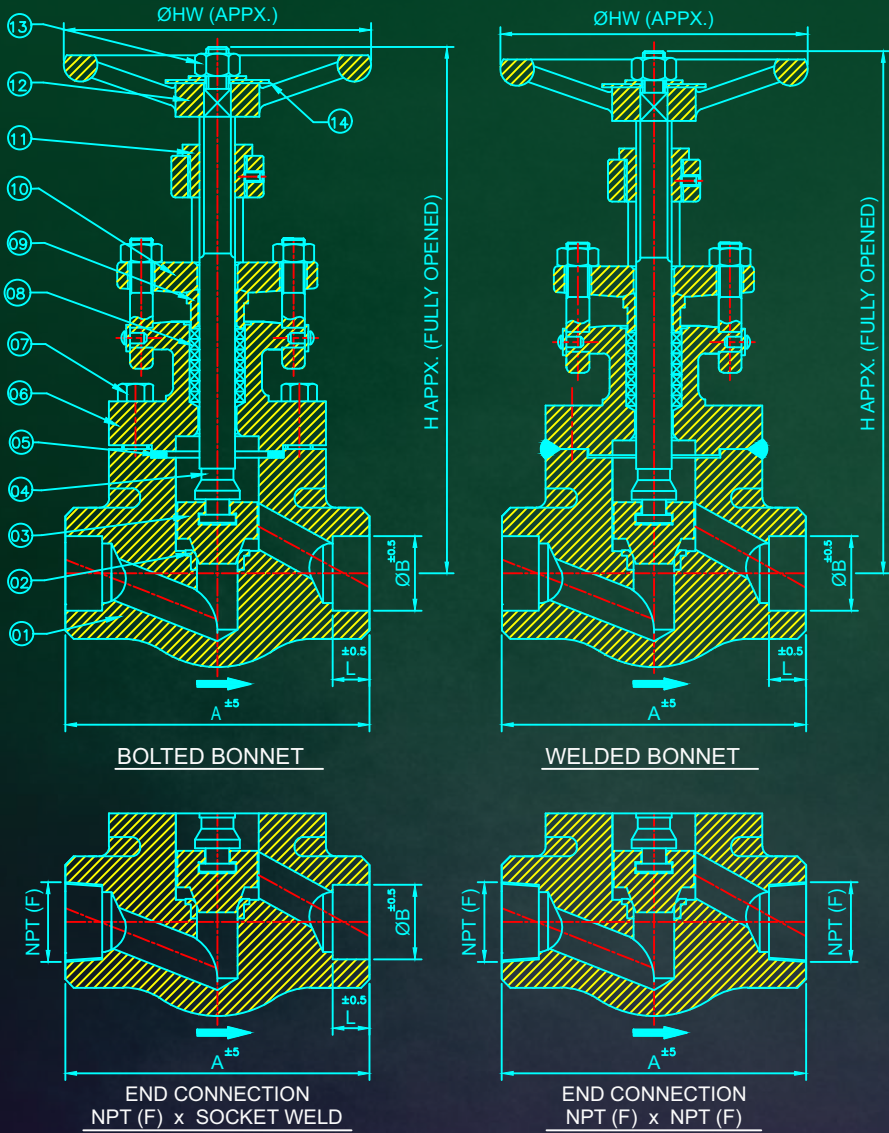
FORGE GATE VALVE BOLTED BONNET AND WELDED BONNET DIMENSION AND WEIGHT															
SIZE	FACE TO FACE			HAND WHEEL DIA.			FULLY OPENED			WEIGHT APPX.			SW DETAILS		
	A			(ØHW)			H APPX.)			Kgs)			BORE	DEPTH	
NPS	DN	800#	1500#	2500#	800#	1500#	2500#	800#	1500#	2500#	800#	1500#	2500#	ØB	L
1/2"	15	80	90	105	100	100	120	165	210	210	2.0	3.6	3.6	22.0	9.5
3/4"	20	90	105	127	100	120	150	175	210	265	2.5	3.6	7.6	27.4	12.5
1"	25	105	127	140	120	150	150	215	265	280	3.5	7.6	10.0	34.1	12.5
1.5"	40	127	140	140	150	150	150	270	280	280	7.5	10.0	10.0	49.0	12.5
2"	50	140	--	--	150	--	--	285	--	--	9.0	--	--	61.0	16.0

SR. NO.	DESCRIPTION	MATERIAL OF CONSTRUCTION				
		ASTM A105	ASTM A182 GR.F11 CL-2	ASTM A182 GR F316	ASTM A182 GR F304	ASTM A350 GR LF2
01	BODY	ASTM A105	ASTM A182 GR.F11 CL-2	ASTM A182 GR F316	ASTM A182 GR F304	ASTM A350 GR LF2
02	SEAT	AISI 410	13% Cr. STEEL	SS 316	SS 304	SS 304
03	WEDGE	AISI 410	13% Cr. STEEL	SS 316	SS 304	SS 304
04	STEM	AISI 410	13% Cr. STEEL	SS 316	SS 304	SS 304
05	GASKET	SPW SS 304 / SS 316 + GRAPHITE FILLED				
06	BONNET	ASTM A105	ASTM A182 GR.F11 CL-2	ASTM A182 GR F316	ASTM A182 GR F304	ASTM A350 GR LF2
07	JOINT BOLTS	ASTM A193 GR. B7	ASTM A193 GR. B7	ASTM A193 GR. B8M	ASTM A193 GR. B8	ASTM A193 GR. B7
08	GLAND PACKING	TOP & BOTTOM BRAIDED GRAPHITE & INTERIOR DIE-FORMED FLEXIBLE GRAPHITE				
09	GLAND BUSH	AISI 410	13% Cr. STEEL	SS 316	SS 304	SS 304
10	GLAND FLANGE	CARBON STEEL	CARBON STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL
11	YOKE SLEEVE	Ni. RESIST. ASTM A439 GR. D2				
12	HANDWHEEL	MALLEABLE IRON/SG IRON				
13	HANDWHEEL NUT	CARBON STEEL	CARBON STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL
14	NAME PLATE	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL

FORGE GLOBE VALVE

CLASS 800, CLASS 1500 & CLASS 2500

VALVAX



REFERENCE STANDARD	
MFG. STD	API 602/ISO 15761
FACE TO FACE	MFG. STD.
BUTT WELD END	ASME B16.25
SOCKET WELD END	ASME B16.11
SCREWED END	ASME B1.20.1
INSP. & TEST.	API 598
PRESS & TEMP.	ASME B16.34

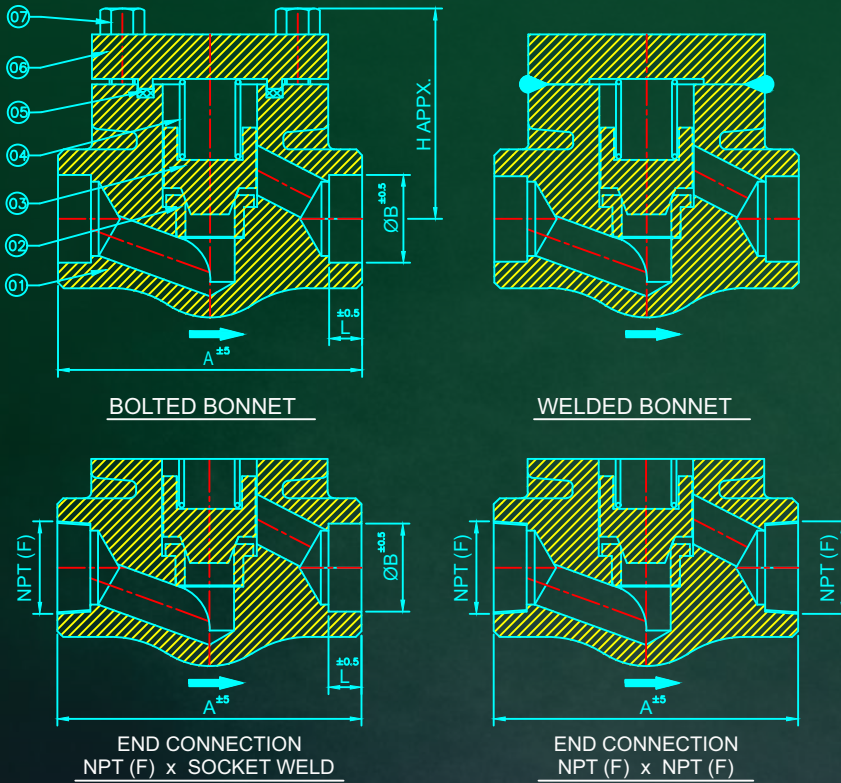
FORGE GLOBE VALVE BOLTED BONNET AND WELDED BONNET DIMENSION AND WEIGHT															
SIZE	FACE TO FACE			HAND WHEEL DIA.			FULLY OPENED			WEIGHT APPX.			SW DETAILS		
	A			(ØHW)						(Kgs)		BORE	DEPTH		
NPS	DN	800#	1500#	2500#	800#	1500#	2500#	800#	1500#	2500#	800#	1500#	2500#	ØB	L
1/2"	15	80	90	105	100	100	120	170	210	210	2.0	3.6	3.6	22.0	9.5
3/4"	20	90	105	127	100	120	150	180	210	275	2.5	3.6	7.6	27.4	12.5
1"	25	105	127	140	120	150	150	210	275	285	4.0	7.6	10.0	34.1	12.5
1.5"	40	127	140	140	150	150	150	280	285	285	8.5	10.0	10.5	49.0	12.5
2"	50	140	140	140	150	150	150	290	--	--	9.0	--	--	61.0	16.0

SR. NO.	DESCRIPTION	MATERIAL OF CONSTRUCTION					
		ASTM A105	ASTM A182 GR.F11 CL-2	ASTM A182 GR F316	ASTM A182 GR F304	ASTM A350 GR LF2	
01	BODY	ASTM A105	ASTM A182 GR.F11 CL-2	ASTM A182 GR F316	ASTM A182 GR F304	ASTM A350 GR LF2	
02	SEAT	AISI 410	13% Cr. STEEL	SS 316	SS 304	SS 304	
03	PLUG	AISI 410	13% Cr. STEEL	SS 316	SS 304	SS 304	
04	STEM	AISI 410	13% Cr. STEEL	SS 316	SS 304	SS 304	
05	GASKET	SPW SS 304 / SS 316 + GRAPHITE FILLED					
06	BONNET	ASTM A105	ASTM A182 GR.F11 CL-2	ASTM A182 GR F316	ASTM A182 GR F304	ASTM A350 GR LF2	
07	JOINT BOLTS	ASTM A193 GR. B7	ASTM A193 GR. B7	ASTM A193 GR. B8M	ASTM A193 GR. B8	ASTM A193 GR. B7	
08	GLAND PACKING	TOP & BOTTOM BRAIDED GRAPHITE & INTERIOR DIE-FORMED FLEXIBLE GRAPHITE					
09	GLAND BUSH	AISI 410	13% Cr. STEEL	SS 316	SS 304	SS 304	
10	GLAND FLANGE	CARBON STEEL	CARBON STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	
11	YOKE BUSH	Ni. RESIST. ASTM A439 GR. D2					
12	HANDWHEEL	MALLEABLE IRON/SG IRON					
13	HANDWHEEL NUT	CARBON STEEL	CARBON STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	
14	NAME PLATE	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	

FORGE LIFT CHECK VALVE

CLASS 800, CLASS 1500 & CLASS 2500

VALVAX



REFERENCE STANDARD	
MFG. STD	API 602/ISO 15761
FACE TO FACE	MFG. STD.
BUTT WELD END	ASME B16.25
SOCKET WELD END	ASME B16.11
SCREWED END	ASME B1.20.1
INSP. & TEST.	API 598
PRESS & TEMP.	ASME B16.34

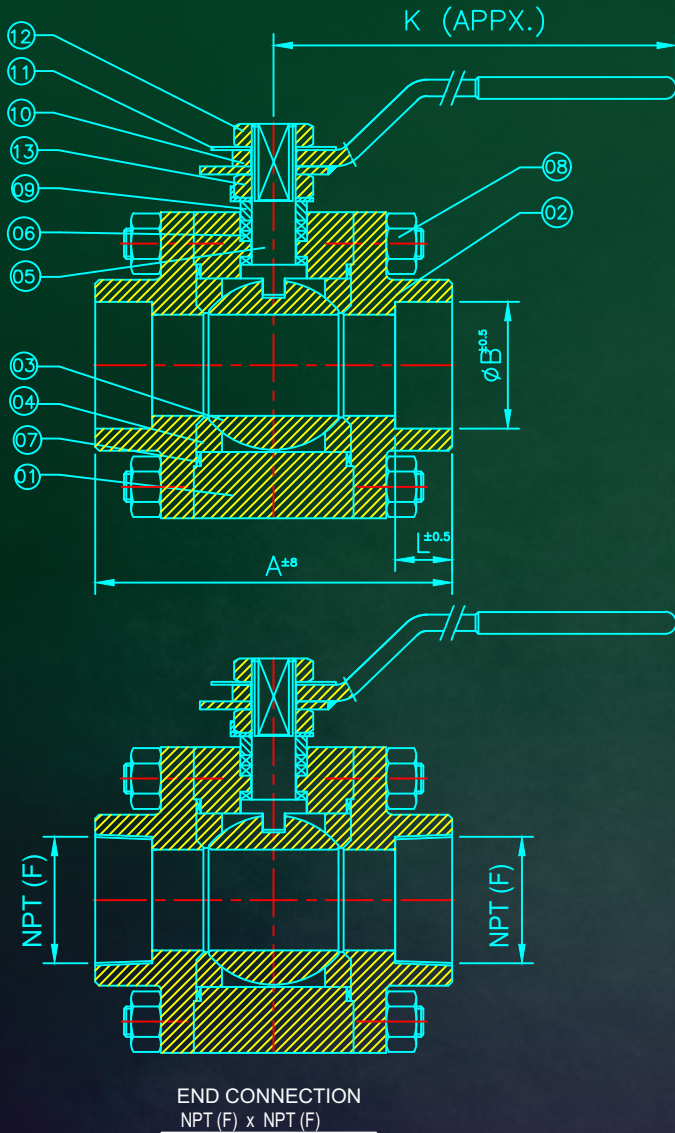
FORGE LIFT CHECK VALVE BOLTED COVER AND WELDED COVER DIMENSION AND WEIGHT													
SIZE			FACE TO FACE A			HEIGHT (H APPX.)			WEIGHT APPX. (Kgs)			SW DETAILS	
NPS	DN		800#	1500#	2500#	800#	1500#	2500#	800#	1500#	2500#	ØB	L
1/2"	15		80	90	105	60	70	80	1.5	2.0	4.0	22.0	9.5
3/4"	20		90	105	127	70	80	100	2.0	4.0	8.0	27.4	12.5
1"	25		105	127	140	80	100	125	2.5	8.0	10.0	34.1	12.5
1.5"	40		127	140	140	105	125	125	6.0	10.0	10.0	49.0	12.5
2"	50		140	140	140	115	--	--	8.0	--	--	61.0	16.0

SR. NO.	DESCRIPTION	MATERIAL OF CONSTRUCTION					
		ASTM A105	ASTM A182 GR.F11 CL-2	ASTM A182 GR F316	ASTM A182 GR F304	ASTM A350 GR LF2	
01	BODY	ASTM A105	ASTM A182 GR.F11 CL-2	ASTM A182 GR F316	ASTM A182 GR F304	ASTM A350 GR LF2	
02	SEAT	AISI 410	13% Cr. STEEL	SS 316	SS 304	SS 304	
03	PLUG	AISI 410	13% Cr. STEEL	SS 316	SS 304	SS 304	
04	SPRING	ASTM A313 GR. 304 / ASTM A313 GR. 316					
05	GASKET	SPW SS 304 / SS 316 + GRAPHITE FILLED					
06	COVER	ASTM A105	ASTM A182 GR.F11 CL-2	ASTM A182 GR F316	ASTM A182 GR F304	ASTM A350 GR LF2	
07	JOINT BOLTS	ASTM A193 GR. B7	ASTM A193 GR. B7	ASTM A193 GR. B8M	ASTM A193 GR. B8	ASTM A193 GR. B7	

FORGE BALL VALVE

CLASS 800

VALVAX



REFERENCE STANDARD	
MFG. STD	ISO 17292/B16.34
FACE TO FACE	MFG. STD.
BUTT WELD END	ASME B16.25
SOCKET WELD END	ASME B16.11
SCREWED END	ASME B1.20.1
INSP. & TEST.	API 598
PRESS & TEMP.	ASME B16.34

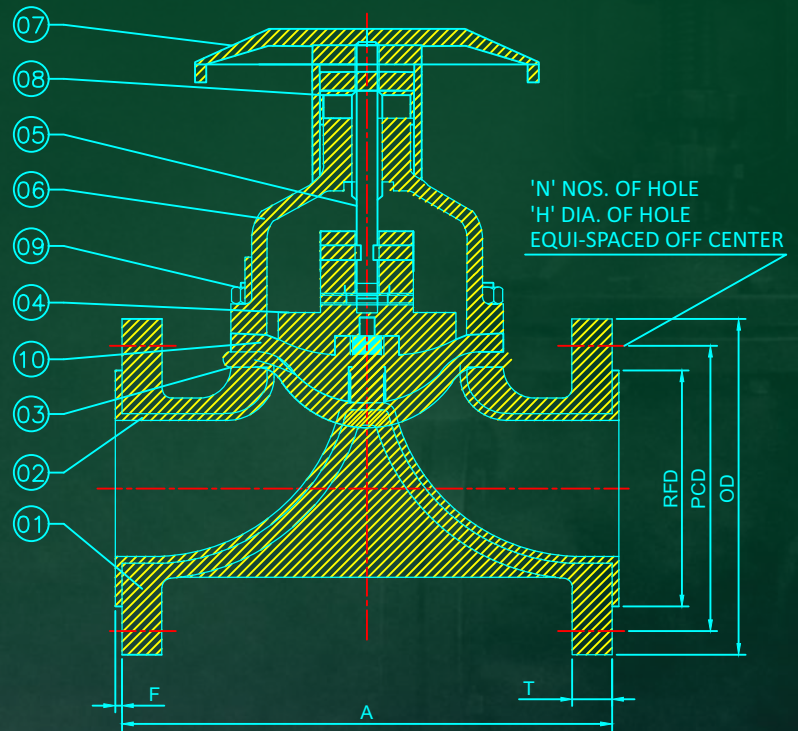
FORGE BALL VALVE DIMENSION AND WEIGHT								
SIZE	FACE TO FACE		LEVER LENGTH	WEIGHT APPX.	SW DETAILS			
	RB	FB	K (APPX.)	(Kgs)	BORE	DEPTH		
	NPS	DN	800#	800#	800#	800#	ØB	L
1/2"	15	68	73	115	2.0	22.0	9.5	
3/4"	20	73	96	115	2.5	27.4	12.5	
1"	25	96	98	135	4.0	34.1	12.5	
1.5"	40	116	116	170	8.0	49.0	12.5	
2"	50	128	128	170	9.0	61.0	16.0	

SR. NO.	DESCRIPTION	MATERIAL OF CONSTRUCTION					
		ASTM A105	ASTM A182 GR.F11 CL-2	ASTM A182 GR F316	ASTM A182 GR F304	ASTM A350 GR LF2	
01	BODY	ASTM A105	ASTM A182 GR.F11 CL-2	ASTM A182 GR F316	ASTM A182 GR F304	ASTM A350 GR LF2	
02	ADAPTOR	ASTM A105	ASTM A182 GR.F11 CL-2	ASTM A182 GR F316	ASTM A182 GR F304	ASTM A350 GR LF2	
03	BALL	SS 304	SS 304	SS 316	SS 304	SS 304	
04	SEAT	PTFE/RPTFE	PTFE/RPTFE	PTFE/RPTFE	PTFE/RPTFE	PTFE/RPTFE	
05	STEM	SS 304	SS 304	SS 316	SS 304	SS 304	
06	GLAND PACKING	GRAPHITE / PTFE	GRAPHITE / PTFE	GRAPHITE / PTFE	GRAPHITE / PTFE	GRAPHITE / PTFE	
07	GASKET	SPW SS 304 / SS 316 + GRAPHITE FILLED					
08	JOINT STUD	ASTM A193 GR. B7	ASTM A193 GR. B7	ASTM A193 GR. B8M	ASTM A193 GR. B8	ASTM A193 GR. B7	
	JOINT NUT	ASTM A194 GR. 2H	ASTM A194 GR. 2H	ASTM A194 GR. 8M	ASTM A194 GR. 8	ASTM A194 GR. 2H	
09	GLAND BUSH	SS 304	SS 304	SS 316	SS 304	SS 304	
10	HANDLE	CARBON STEEL / STAINLESS STEEL WITH PVC GRIPP					
11	NAME PLATE	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	
12	HANDLE NUT	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	
13	GLAND NUT	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	

BS 5156 DIAPHRAGM VALVE, RISING STEM BN 10 & BN16

VALVAX

REFERENCE STANDARD	
MFG. STD	BS 5156/BS EN 13397
FACE TO FACE	EN 558 SERIES 7(BS 5156)
FLABGE END	ASME B16.5
INSP. & TEST.	API 598
PRESS & TEMP.	ASME B16.34



SR. NO.	DESCRIPTION	MATERIAL OF CONSTRUCTION		
		CARBON STEEL	CAST IRON	DUCTIL CAST IRON
01	BODY	ASTM A216 GR.WCB	ASTM A 126 Gr.B	ASTM A 395 Gr. 60-40-18
02	LINING	NEOPRENE / FEP LINING / EBONITE / PFA		
03	DIAPHRAGM	NEOPRENE / EPDM RUBBER / PTFE		
04	COMPRESSOR	ASTM A216 GR.WCB	ASTM A 126 Gr.B	ASTM A 395 Gr. 60-40-18
05	STEM	SS 304 / SS 316	SS 304 / SS 316	SS 304 / SS 316
06	BONNET	ASTM A216 GR.WCB	ASTM A 126 Gr.B	ASTM A 395 Gr. 60-40-18
07	HANDWHEEL	MALLEABLE IRON / SG IRON		
05	CAP	PVC / PTFE	PVC / PTFE	PVC / PTFE
06	JOINT STUD	ASTM A193 GR. B7 / ASTM A193 GR. B8M		
	JOINT NUT	ASTM A194 GR. 2H / ASTM A194 GR. 8M		
07	DIAPHRAGM PACKING	PTFE	PTFE	PTFE

DIMENSIONS DETAIL, PN10	FACE TO FACE		FLANGE DETAILS, ASME B16.5								OPERATING SYSTEM	HYDRO TEST		MODEL NO. VEPL-DPRV-1801
	SIZE	A (FE)	F	OD	PCD	RFD	T	ØH	N	SHELL		SEAT		
	1/2"	15	108	3	89	60.5	34.9	9.7	16	04	HANDWHEEL	15 Kg/cm ²	11 Kg/cm ²	
3/4"	20	117	3	99	69.8	42.9	9.7	16	04	HANDWHEEL				
1"	25	127	3	108	79.2	50.8	9.7	16	04	HANDWHEEL				
1.5"	40	159	3	127	98.6	73.0	12.7	16	04	HANDWHEEL				
2"	50	190	3	152	120.6	92.1	14.3	19	04	PNEUMATIC ACTUATOR				
2.5"	65	216	3	178	139.7	104.8	15.7	19	04					
3"	80	254	3	190	152.4	127.0	17.5	19	04					
4"	100	305	3	229	190.5	157.2	22.4	19	08					
5"	125	356	3	254	215.9	185.7	22.4	22	08					
6"	150	406	3	279	241.3	215.9	23.9	22	08					
8"	200	521	3	343	298.4	269.9	26.9	22	08					
10"	250	635	3	406	362.0	323.8	28.4	25	12					
12"	300	749	3	483	431.8	381.0	30.2	25	12					