

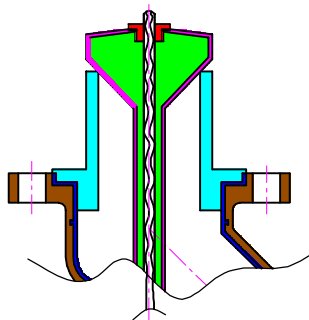
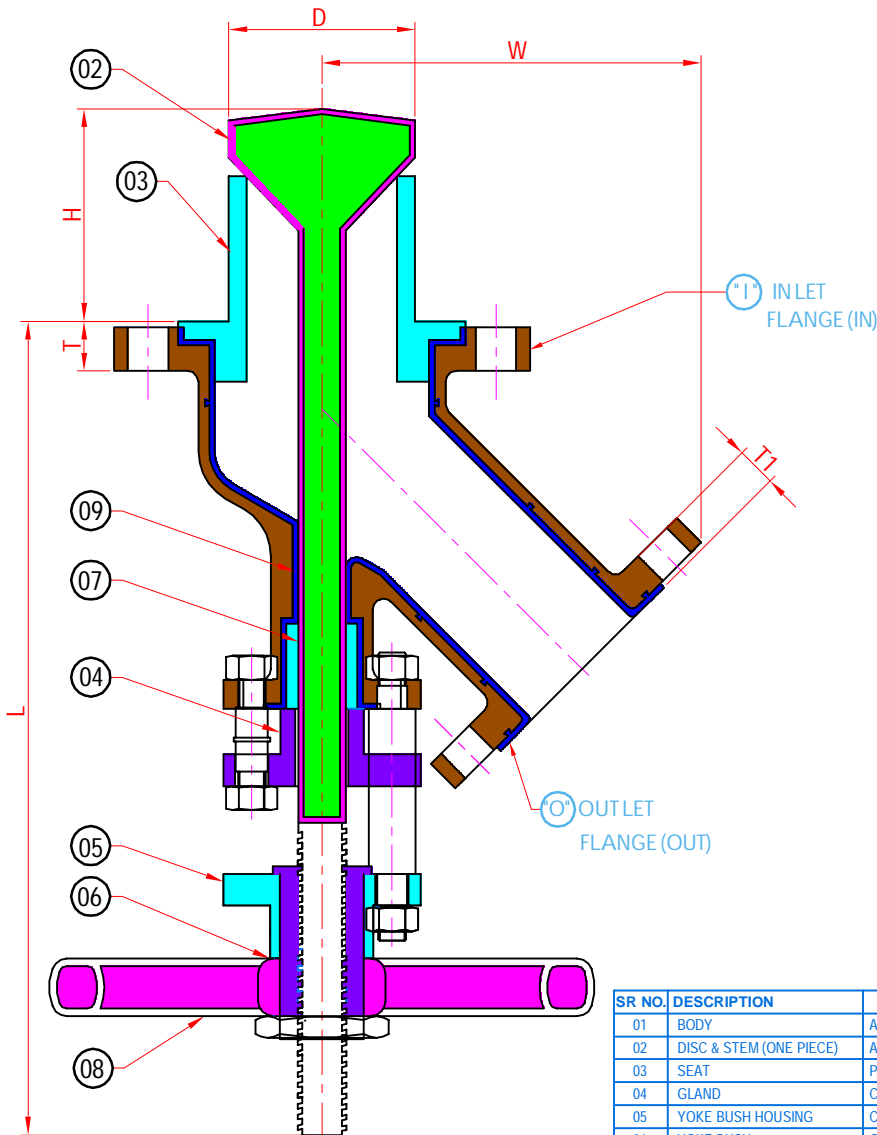
Icon Valves & Engineering Pvt. Ltd.

www.pfelineproducts.com; pfe@ivevalves.com



FEP / PFA LINED FLUSH TANK BOTTOM VALVE OPEN UP 150# LONG HUB

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PROVISION RTD SENSOR

SR NO.	DESCRIPTION	MATERIAL	QTY.
01	BODY	ASTM A216 WCB, ASTM A351 / CF8 / CF8M x FEP / PFA LINED	1
02	DISC & STEM (ONE PIECE)	AISI SS 304 x FEP / PFA LINED	1
03	SEAT	PTFE / GLASS FILED PTFE	1
04	GLAND	CS / CF 8	1
05	YOKE BUSH HOUSING	CS / CF 8	1
06	YOKE BUSH	GUNMETAL	1
07	GLAND PACKING	PTFE/GF/CF PTFE WITH PTFE ROPE	1
08	HAND WHEEL	CI / SS 304	1
09	LINING	3 TO 5MM - FEP OR PFA LINING	1

PRIMARY SERVICE RATING & TEST PRESSURE				
CLASS	WORKING PRESS.	HYD. TEST PRESSURE		
		BODY	SEAT	TEMP.
150	100 PSIG	225 PSIG	150 PSIG	150/200°C
AIR TEST-SEAT		80 PSIG ±10 PSIG; SPARK TEST: 10 KVA		

TECHNICAL DATA	
DESIGN & MANUFACTURING STD.	MANUFACTURER'S STD.
TESTING & INSPECTION STD.	API 598
END CONNECTIONS :	FLANGED AS PER ANSI B-16.5
STANDARD RESIN SPECIFICATION	PFA : ASTM D 3418 / FEP : ASTM D 2116

FLUSH TANK BOTTOM VALVE FLANGE ENDDISC. OPENING INTO THE TANK DIAPHRAGM ACTUATED									
SIZE (mm)	Approx. L	H	D	Approx. W	(FLANGE DIMENSIONS)		(FLANGE DIMENSIONS)		WT. / KG.
					I	T	O	T1	
1.1/2"	1"	350		140	AS PER 1.1/2" NB ASA 150#	14	AS PER 1" NB ASA 150#	11	10
2"	1.1/2"	375		165	AS PER 2" NB ASA 150#	16	AS PER 1.1/2" NB ASA 150#	14	13
3"	2"	440		176	AS PER 3" NB ASA 150#	19	AS PER 2" NB ASA 150#	16	16
4"	3"	470		210	AS PER 4" NB ASA 150#	24	AS PER 3" NB ASA 150#	19	32
4"	2"	470		235	AS PER 4" NB ASA 150#	24	AS PER 2" NB ASA 150#	16	20
6"	4"	560		260	AS PER 6" NB ASA 150#	25	AS PER 4" NB ASA 150#	24	38

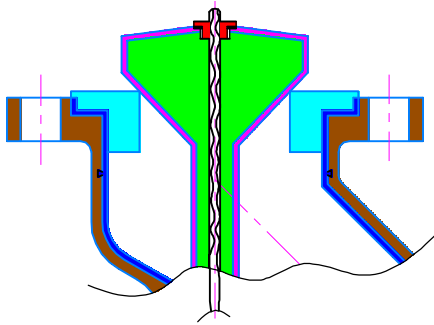
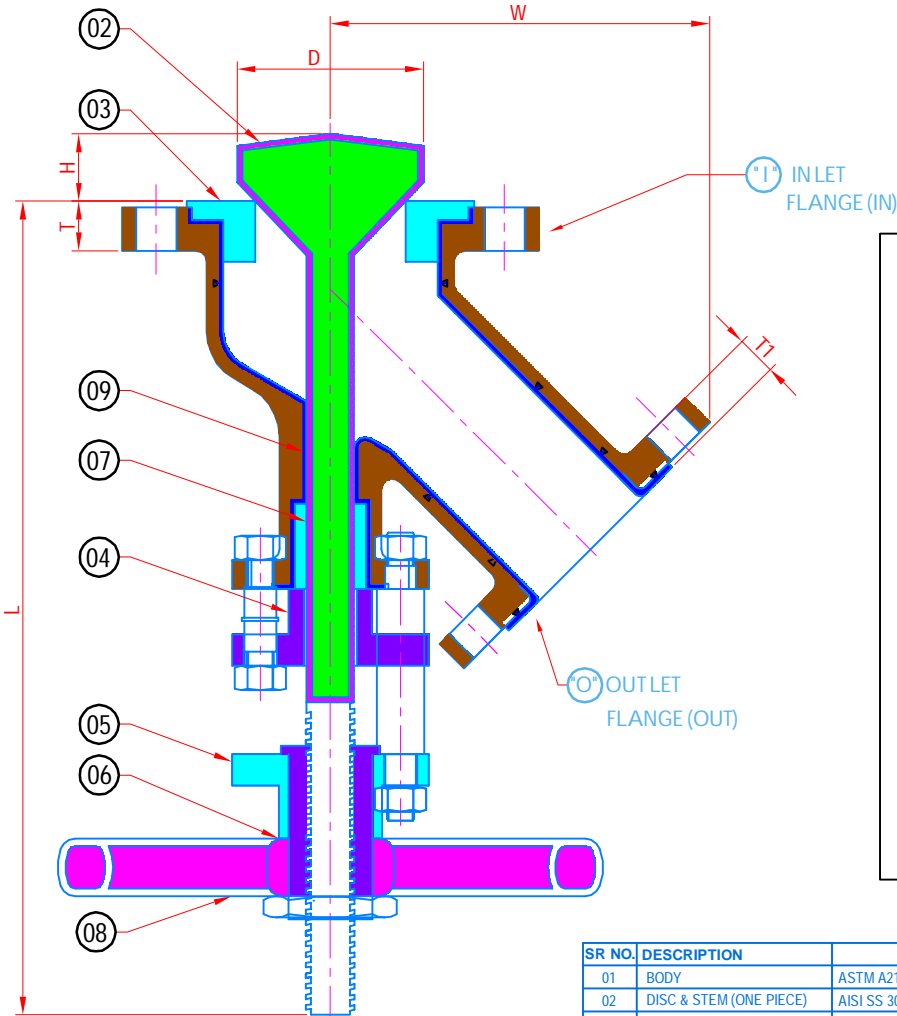
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FEP / PFA LINED FLUSH TANK BOTTOM VALVE OPEN UP 150# SHORT HUB

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PROVISION RTD SENSOR

SR NO.	DESCRIPTION	MATERIAL	QTY.
01	BODY	ASTM A216 WCB, ASTM A351 / CF8 / CF8M x FEP / PFA LINED	1
02	DISC & STEM (ONE PIECE)	AISI SS 304 x FEP / PFA LINED	1
03	SEAT	PTFE / GLASS FILED PTFE	1
04	GLAND	CS / CF 8	1
05	YOKE BUSH HOUSING	CS / CF 8	1
06	YOKE BUSH	GUNMETAL	1
07	GLAND PACKING	PTFE/GF/CF PTFE WITH PTFE ROPE	1
08	HAND WHEEL	CI / SS 304	1
09	LINING	3 TO 5MM - FEP OR PFA LINING	1

PRIMARY SERVICE RATING & TEST PRESSURE				
CLASS	WORKING PRESS.	HYD. TEST PRESSURE		
		BODY	SEAT	TEMP.
150	100 PSIG	225 PSIG	150 PSIG	150/200°C
AIR TEST-SEAT		80 PSIG ±10 PSIG; SPARK TEST: 10 KVA		

TECHNICAL DATA	
DESIGN & MANUFACTURING STD.	MANUFACTURER'S STD.
TESTING & INSPECTION STD.	API 598
END CONNECTIONS :	FLANGED AS PER ANSI B-16.5
STANDARD RESIN SPECIFICATION	PFA : ASTM D 3418 / FEP : ASTM D 2116

FLUSH TANK BOTTOM VALVE FLANGE END DISC OPENING INTO THE TANK 150# SHORT HUB										
SIZE (mm)		Approx. L	H	D	Approx W	(FLANGE DIMENSIONS)			WT. (KG)	
IN	OUT					I	T	O		T1
1.1/2"	1"	350	↑	↑	140	AS PER 1.1/2" NB ASA 150#	14	AS PER 1" NB ASA 150#	11	10
2"	1.1/2"	375			165	AS PER 2" NB ASA 150#	16	AS PER 1.1/2" NB ASA 150#	14	13
3"	2"	440			176	AS PER 3" NB ASA 150#	19	AS PER 2" NB ASA 150#	16	16
4"	3"	470			210	AS PER 4" NB ASA 150#	24	AS PER 3" NB ASA 150#	19	32
4"	2"	470			235	AS PER 4" NB ASA 150#	24	AS PER 2" NB ASA 150#	16	20
6"	4"	560			260	AS PER 6" NB ASA 150#	25	AS PER 4" NB ASA 150#	24	38

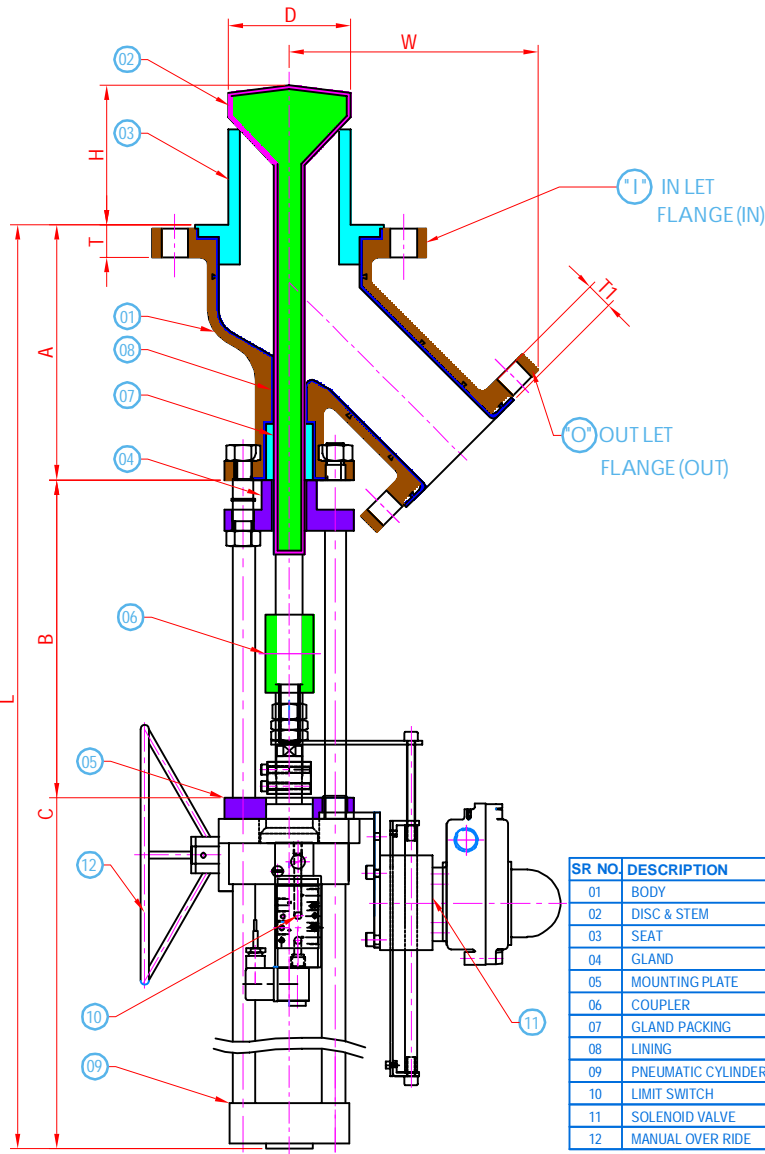
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FEP / PFA LINED FLUSH TANK BOTTOM VALVE OPEN UP 150# CYLINDER OPT LONG HUB

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SR NO.	DESCRIPTION	MATERIAL	QTY.
01	BODY	ASTM A216 WCB, ASTM A351 / CF8 / CF8M x FEP / PFA LINED	1
02	DISC & STEM	AISI SS 304 x FEP / PFA LINED	1
03	SEAT	PTFE / GLASS FILED PTFE	1
04	GLAND	CS / CF 8	1
05	MOUNTING PLATE	CS / CF 8	1
06	COUPLER	MS / SS	1
07	GLAND PACKING	PTFE/GF/CF PTFE WITH PTFE ROPE	1
08	LINING	3 TO 5MM - FEP OR PFA LINING	1
09	PNEUMATIC CYLINDER	ALUMINIUM DIE CAST BODY S / A or D / A	1
10	LIMIT SWITCH	ALUMINIUM DIE CAST BODY WITH DOME INDICATOR	1
11	SOLENOID VALVE	ALUMINIUM DIE CAST BODY 3/2 / 5/2 WAY	1
12	MANUAL OVER RIDE	CI BODY	1

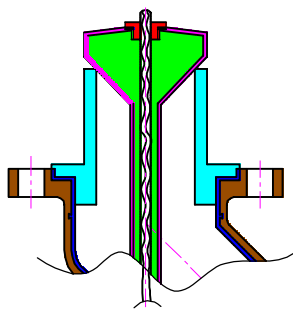
PRIMARY SERVICE RATING & TEST PRESSURE

CLASS	WORKING PRESS.	HYD. TEST PRESSURE		
		BODY	SEAT	TEMP.
150	100 PSIG	225 PSIG	150 PSIG	150/200°C

AIR TEST-SEAT: 80 PSIG ±10 PSIG; SPARK TEST: 10 KVA

TECHNICAL DATA

DESIGN & MANUFACTURING STD.	MANUFACTURER'S STD.
TESTING & INSPECTION STD.	API 598
END CONNECTIONS :	FLANGED AS PER ANSI B-16.5
STANDARD RESIN SPECIFICATION	PFA : ASTM D 3418 / FEP : ASTM D 2116



PROVISION RTD SENSOR

FLUSH TANK BOTTOM VALVE FLANGE END DISC. OPENING INTO THE TANK CYLINDER ACTUATED LONG HUB														
SIZE (mm)	IN	OUT	Approx. L = A+B+C	H	D	Approx. (FLANGE DIMENSIONS)				T		WT. / KG. FOR VALVE ONLY		
						W	A	B	C	I	O		T1	
1.1/2"	1"					140	157	150		AS PER 1.1/2" NB ASA 150#	14	AS PER 1" NB ASA 150#	11	10
2"	1.1/2"					165	183	160		AS PER 2" NB ASA 150#	16	AS PER 1.1/2" NB ASA 150#	14	13
3"	2"					176	203	175		AS PER 3" NB ASA 150#	19	AS PER 2" NB ASA 150#	16	16
4"	3"					210	210	200		AS PER 4" NB ASA 150#	24	AS PER 3" NB ASA 150#	19	22
4"	2"					235	203	200		AS PER 4" NB ASA 150#	24	AS PER 2" NB ASA 150#	16	20
6"	4"					260	260	225		AS PER 6" NB ASA 150#	25	AS PER 4" NB ASA 150#	24	38

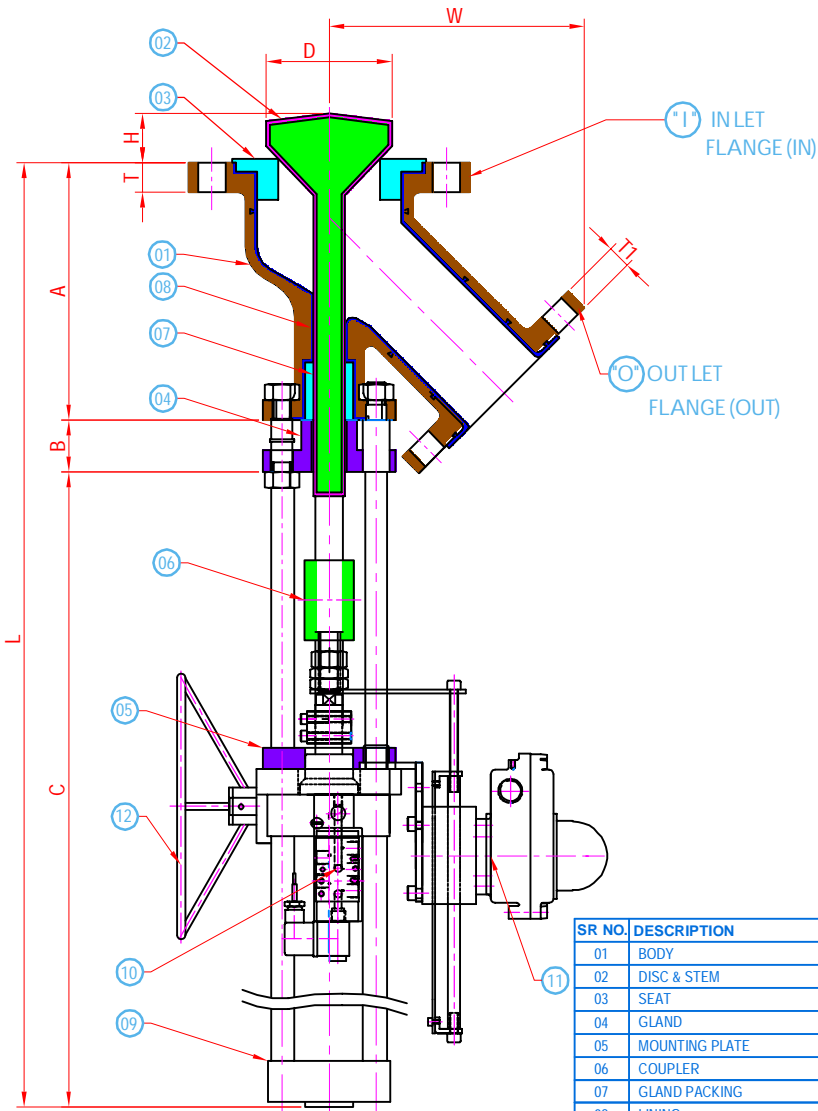
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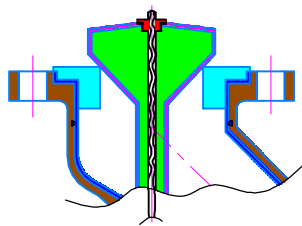
FEP / PFA LINED FLUSH TANK BOTTOM VALVE OPEN UP 150# CYLINDER OPT SHORT HUB

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SR NO.	DESCRIPTION	MATERIAL	QTY.
01	BODY	ASTM A216 WCB, ASTM A351 / CF8 / CF8M x FEP / PFA LINED	1
02	DISC & STEM	AISI SS 304 x FEP / PFA LINED	1
03	SEAT	PTFE / GLASS FILED PTFE	1
04	GLAND	CS / CF 8	1
05	MOUNTING PLATE	CS / CF 8	1
06	COUPLER	MS / SS	1
07	GLAND PACKING	PTFE/GF/CF PTFE WITH PTFE ROPE	1
08	LINING	3 TO 5MM - FEP OR PFA LINING	1
09	PNEUMATIC CYLINDER	ALUMINIUM DIE CAST BODY S / A or D / A	1
10	LIMIT SWITCH	ALUMINIUM DIE CAST BODY WITH DOME INDICATOR	1
11	SOLENOID VALVE	ALUMINIUM DIE CAST BODY 3/2 / 5/2 WAY	1
12	MANUAL OVER RIDE	CI BODY	1

PRIMARY SERVICE RATING & TEST PRESSURE				
CLASS	WORKING PRESS.	HYD. TEST PRESSURE		
		BODY	SEAT	TEMP.
150	100 PSIG	225 PSIG	150 PSIG	150/200°C
AIR TEST-SEAT		80 PSIG ±10 PSIG; SPARK TEST: 10 KVA		



PROVISION RTD SENSOR

TECHNICAL DATA	
DESIGN & MANUFACTURING STD.	MANUFACTURER'S STD.
TESTING & INSPECTION STD.	API 598
END CONNECTIONS :	FLANGED AS PER ANSI B-16.5
STANDARD RESIN SPECIFICATION	PFA : ASTM D 3418 / FEP : ASTM D2116

FLUSH TANK BOTTOM VALVE FLANGE END DISC OPENING INTO THE TANK CYLINDER ACTUATED SHORT HUB												
SIZE (mm)	Approx. L = A+B+C	H	D	Approx. (FLANGE DIMENSIONS)			Approx. (FLANGE DIMENSIONS)			WT. / KG. FOR VALVE ONLY		
				W	A	B	C	I	O		T1	
1.1/2"	1"			140	157	150	AS PER 1.1/2" NB ASA 150#	14	AS PER 1" NB ASA 150#	11	10	
2"	1.1/2"			165	183	160	AS PER 2" NB ASA 150#	16	AS PER 1.1/2" NB ASA 150#	14	13	
3"	2"			176	203	175	AS PER 3" NB ASA 150#	19	AS PER 2" NB ASA 150#	16	16	
4"	3"			210	210	200	AS PER 4" NB ASA 150#	24	AS PER 3" NB ASA 150#	19	22	
4"	2"			235	203	200	AS PER 4" NB ASA 150#	24	AS PER 2" NB ASA 150#	16	20	
6"	4"			260	260	225	AS PER 6" NB ASA 150#	25	AS PER 4" NB ASA 150#	24	38	

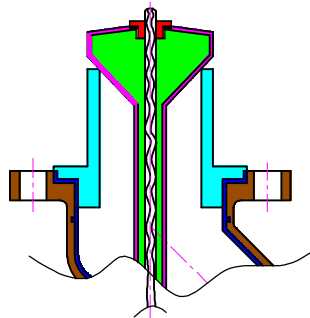
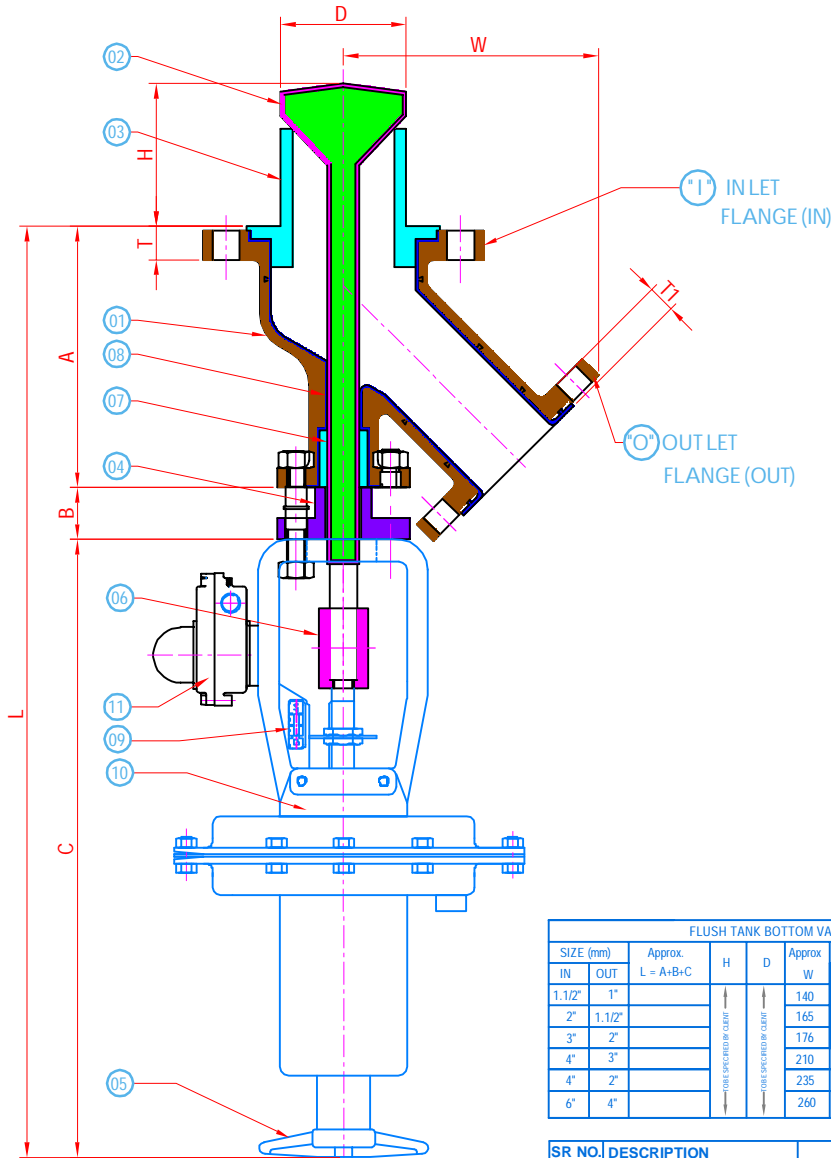
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FEP / PFA LINED FLUSH TANK BOTTOM VALVE OPEN UP DIAPHRAGM ACTUATED LONG HUB TOP MOUNT

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PROVISION RTD SENSOR

FLUSH TANK BOTTOM VALVE DISC. OPENING INTO THE TANK DIAPHRAGM ACTUATED LONG HUB													
SIZE (mm)		Approx.	H	D	Approx.	Approx. (FLANGE DIMENSIONS)			(FLANGE DIMENSIONS)			WT./KG.	
IN	OUT	L = A+B+C			W	A	B	C	I	T	O	T1	
1.1/2"	1"				140	157	100		AS PER 1.1/2" NB ASA 150#	14	AS PER 1" NB ASA 150#	11	10
2"	1.1/2"				165	183	110		AS PER 2" NB ASA 150#	16	AS PER 1.1/2" NB ASA 150#	14	13
3"	2"				176	203	125		AS PER 3" NB ASA 150#	19	AS PER 2" NB ASA 150#	16	16
4"	3"				210	210	150		AS PER 4" NB ASA 150#	24	AS PER 3" NB ASA 150#	19	22
4"	2"				235	203	150		AS PER 4" NB ASA 150#	24	AS PER 2" NB ASA 150#	16	20
6"	4"				260	260	150		AS PER 6" NB ASA 150#	25	AS PER 4" NB ASA 150#	24	38

SR NO.	DESCRIPTION	MATERIAL	QTY.
01	BODY	ASTM A216 WCB, ASTM A351 / CF8 / CF8M x FEP / PFA LINED	1
02	DISC & STEM	AISI SS 304 x FEP / PFA LINED	1
03	SEAT	PTFE / GLASS FILED PTFE	1
04	GLAND	CS / CF 8	1
05	MANUAL OVER RIDE	CS BODY	1
06	COUPLER	MS / SS	1
07	GLAND PACKING	PTFE/GFCF PTFE WITH PTFE ROPE	1
08	LINING	3 TO 5MM - FEP OR PFA LINING	1
09	SOLENOID	ALUMINIUM BODY, 3/2 OR 5/2 WAY	1
10	DIAPHRAGM ACTUATOR	CS BODY WITH EPDM DIAPHRAGM DIRECT / REVERSE ACTING	1
11	LIMIT SWITCH	ALUMINIUM BODY, WITH DOME INDICATOR	1

PRIMARY SERVICE RATING & TEST PRESSURE				
CLASS	WORKING PRESS.	HYD. TEST PRESSURE		
		BODY	SEAT	TEMP.
150	100 PSIG	225 PSIG	150 PSIG	150/200°C
AIR TEST-SEAT		80 PSIG ±10 PSIG; SPARK TEST: 10 KVA		

TECHNICAL DATA	
DESIGN & MANUFACTURING STD.	MANUFACTURER'S STD.
TESTING & INSPECTION STD.	API 598
END CONNECTIONS :	FLANGED AS PER ANSI B-16.5
STANDARD RESIN SPECIFICATION	PFA : ASTM D 3418 / FEP : ASTM D 2116

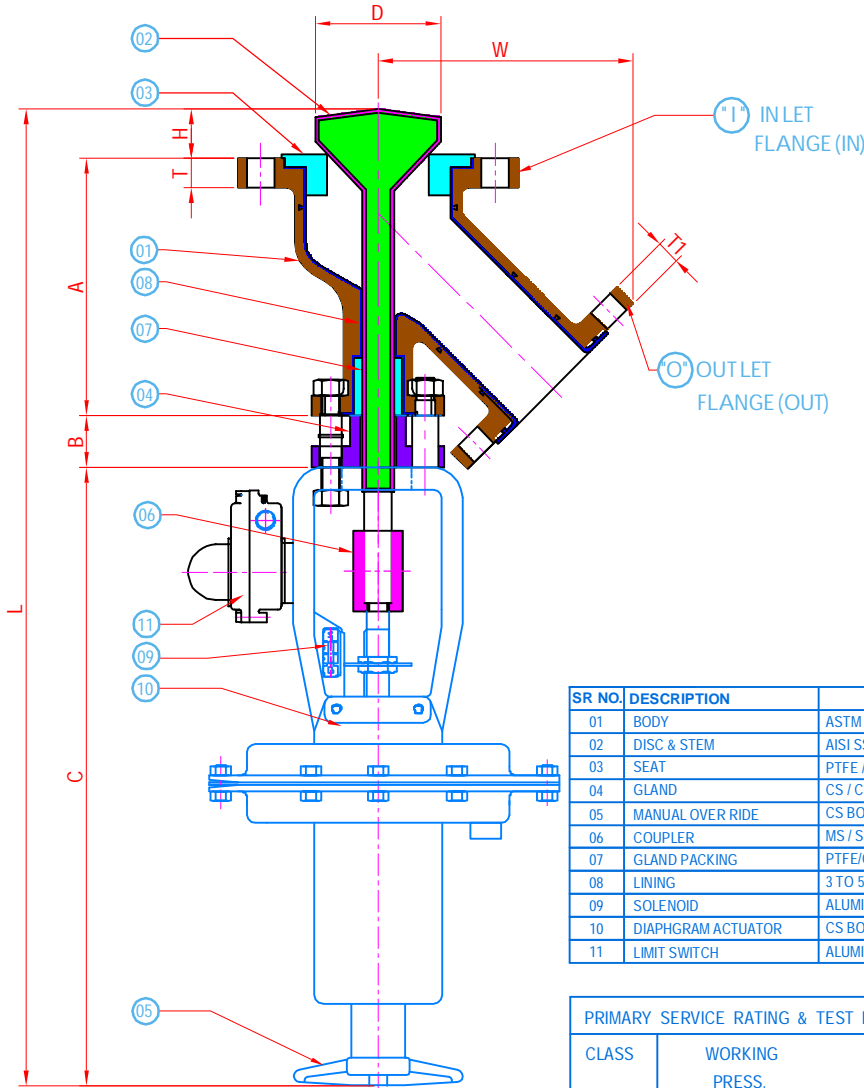
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DIAPHRAGM ACTUATED FEP / PFA LINED FLUSH TANK BOTTOM VALVE 'Y' TYPE OPEN UP 150# SHORT HUB TOP MOUNT

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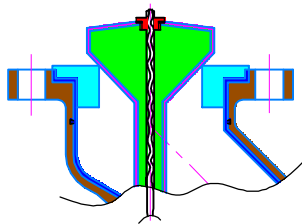
SR NO.	DESCRIPTION	MATERIAL	QTY.
01	BODY	ASTM A216 WCB, ASTM A351 / CF8 / CF8M x FEP / PFA LINED	1
02	DISC & STEM	AISI SS 304 x FEP / PFA LINED	1
03	SEAT	PTFE / GLASS FILED PTFE	1
04	GLAND	CS / CF 8	1
05	MANUAL OVER RIDE	CS BODY	1
06	COUPLER	MS / SS	1
07	GLAND PACKING	PTFE/GF/CF PTFE WITH PTFE ROPE	1
08	LINING	3 TO 5MM - FEP OR PFA LINING	1
09	SOLENOID	ALUMINIUM BODY, 3/2 OR 5/2 WAY	1
10	DIAPHRAGM ACTUATOR	CS BODY WITH EPDM DIAPHRAGM DIRECT / REVERSE ACTING	1
11	LIMIT SWITCH	ALUMINIUM BODY, WITH DOME INDICATOR	1

PRIMARY SERVICE RATING & TEST PRESSURE

CLASS	WORKING PRESS.	HYD. TEST PRESSURE		
		BODY	SEAT	TEMP.
150	100 PSIG	225 PSIG	150 PSIG	150/200°C
AIR TEST-SEAT		80 PSIG ±10 PSIG; SPARK TEST: 10 KVA		

TECHNICAL DATA

DESIGN & MANUFACTURING STD.	MANUFACTURER'S STD.
TESTING & INSPECTION STD.	API 598
END CONNECTIONS :	FLANGED AS PER ANSI B-16.5
STANDARD RESIN SPECIFICATION	PFA : ASTM D 3418 / FEP : ASTM D 2116



PROVISION RTD SENSOR

FLUSH TANK BOTTOM VALVE DISC OPENING INTO THE TANK DIAPHRAGM ACTUATED SHORT HUB TOP MOUNT												
SIZE (mm)		Approx. L = A+B+C	H	D	Approx.			(FLANGE DIMENSIONS)		(FLANGE DIMENSIONS)		WT./KG. FOR VALVE ONLY
IN	OUT				W	A	B	C	I	O	T1	
1.1/2"	1"				140	157	100	AS PER 1.1/2" NB ASA 150#	14	AS PER 1" NB ASA 150#	11	10
2"	1.1/2"				165	183	110	AS PER 2" NB ASA 150#	16	AS PER 1.1/2" NB ASA 150#	14	13
3"	2"				176	203	125	AS PER 3" NB ASA 150#	19	AS PER 2" NB ASA 150#	16	16
4"	3"				210	210	150	AS PER 4" NB ASA 150#	24	AS PER 3" NB ASA 150#	19	22
4"	2"				235	203	150	AS PER 4" NB ASA 150#	24	AS PER 2" NB ASA 150#	16	20
6"	4"				260	260	150	AS PER 6" NB ASA 150#	25	AS PER 4" NB ASA 150#	24	38

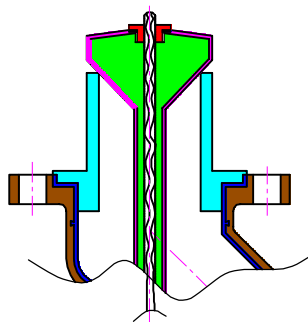
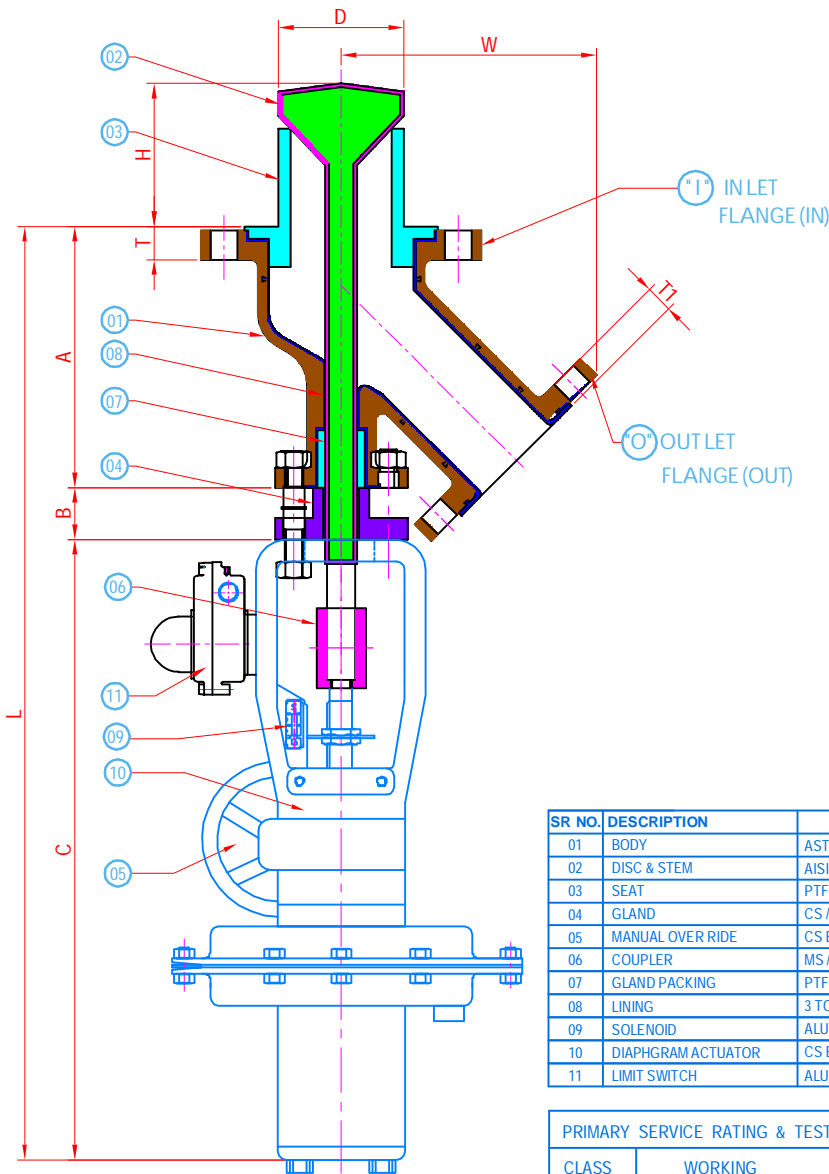
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DIAPHRAGM ACTUATED FEP / PFA LINED FLUSH TANK BOTTOM VALVE 'Y' TYPE OPEN UP 150# LONG HUB SIDE MOUNT

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PROVISION RTD SENSOR

SR NO.	DESCRIPTION	MATERIAL	QTY.
01	BODY	ASTM A216 WCB, ASTM A351 / CF8 / CF8M x FEP / PFA LINED	1
02	DISC & STEM	AISI SS 304 x FEP / PFA LINED	1
03	SEAT	PTFE / GLASS FILED PTFE	1
04	GLAND	CS / CF 8	1
05	MANUAL OVER RIDE	CS BODY	1
06	COUPLER	MS / SS	1
07	GLAND PACKING	PTFE/GF/CF PTFE WITH PTFE ROPE	1
08	LINING	3 TO 5MM - FEP OR PFA LINING	1
09	SOLENOID	ALUMINIUM BODY, 3/2 OR 5/2 WAY	1
10	DIAPHRAGM ACTUATOR	CS BODY WITH EPDM DIAPHRAGM DIRECT / REVERSE ACTING	1
11	LIMIT SWITCH	ALUMINIUM BODY, WITH DOME INDICATOR	1

PRIMARY SERVICE RATING & TEST PRESSURE

CLASS	WORKING PRESS.	HYD. TEST PRESSURE		
		BODY	SEAT	TEMP.
150	100 PSIG	225 PSIG	150 PSIG	150/200°C

AIR TEST-SEAT 80 PSIG ±10 PSIG; SPARK TEST: 10 KVA

TECHNICAL DATA

DESIGN & MANUFACTURING STD.	MANUFACTURER'S STD.
TESTING & INSPECTION STD.	API 598
END CONNECTIONS :	FLANGED AS PER ANSI B-16.5
STANDARD RESIN SPECIFICATION	PFA : ASTM D 3418 / FEP : ASTM D 2116

FLUSH TANK BOTTOM VALVE DISC OPENING INTO THE TANK DIAPHRAGM ACTUATED LONG HUB SIDE MOUNT

SIZE (mm)	Approx. L = A+B+C	H	D	Approx. W	Approx. (FLANGE DIMENSIONS)			(FLANGE DIMENSIONS)			WT. / KG. FOR VALVE ONLY
					A	B	C	I	T	O	
1.1/2"	1"			140	157	100	AS PER 1.1/2" NB ASA 150#	14	AS PER 1" NB ASA 150#	11	10
2"	1.1/2"			165	183	110	AS PER 2" NB ASA 150#	16	AS PER 1.1/2" NB ASA 150#	14	13
3"	2"			176	203	125	AS PER 3" NB ASA 150#	19	AS PER 2" NB ASA 150#	16	16
4"	3"			210	210	150	AS PER 4" NB ASA 150#	24	AS PER 3" NB ASA 150#	19	22
4"	2"			235	203	150	AS PER 4" NB ASA 150#	24	AS PER 2" NB ASA 150#	16	20
6"	4"			260	260	150	AS PER 6" NB ASA 150#	25	AS PER 4" NB ASA 150#	24	38

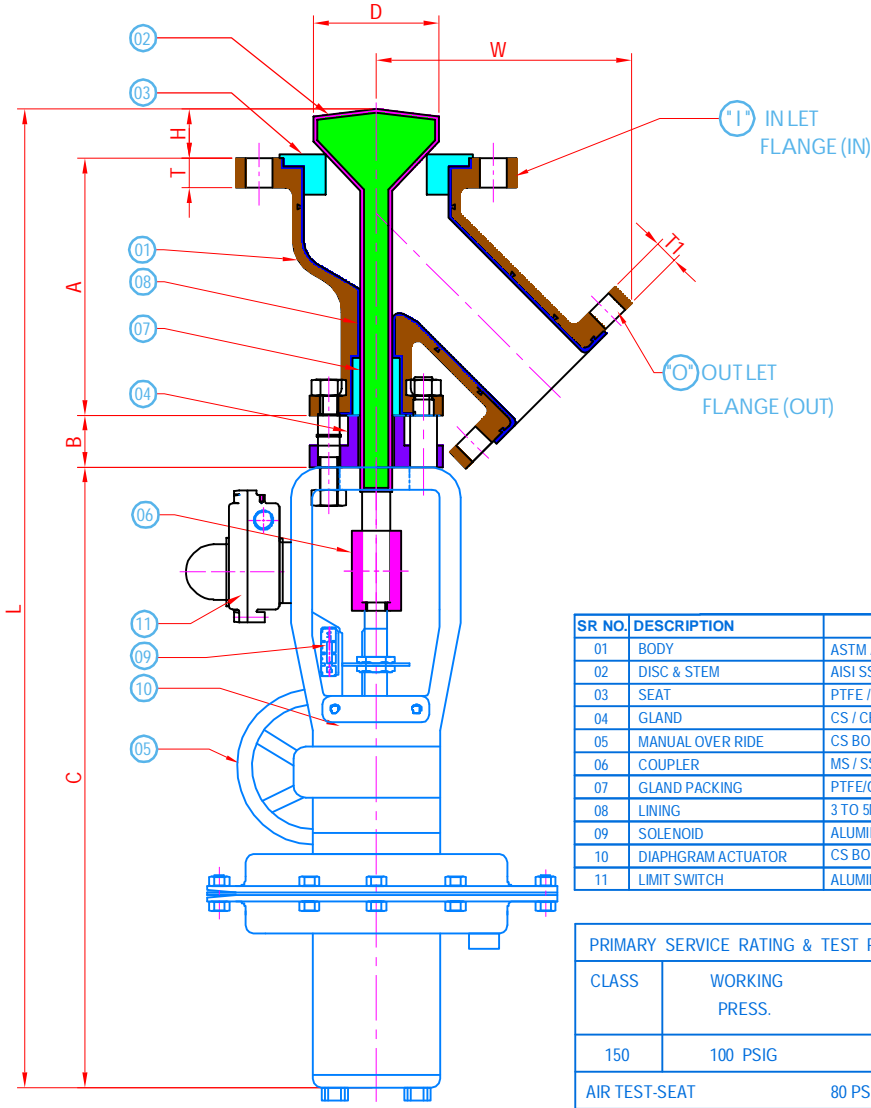
Icon Valves & Engineering Pvt. Ltd.

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FEP / PFA LINED FLUSH TANK BOTTOM VALVE OPEN UP 150# DIAPHRAGM ACTUATED SHORT HUB SIDE MOUNT

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SR NO.	DESCRIPTION	MATERIAL	QTY.
01	BODY	ASTM A216 WCB, ASTM A351 / CF8 / CF8M x FEP / PFA LINED	1
02	DISC & STEM	AISI SS 304 x FEP / PFA LINED	1
03	SEAT	PTFE / GLASS FILED PTFE	1
04	GLAND	CS / CF 8	1
05	MANUAL OVER RIDE	CS BODY	1
06	COUPLER	MS / SS	1
07	GLAND PACKING	PTFE/GF/CF PTFE WITH PTFE ROPE	1
08	LINING	3 TO 5MM - FEP OR PFA LINING	1
09	SOLENOID	ALUMINIUM BODY, 3/2 OR 5/2 WAY	1
10	DIAPHRAGM ACTUATOR	CS BODY WITH EPDM DIAPHRAGM DIRECT / REVERSE ACTING	1
11	LIMIT SWITCH	ALUMINIUM BODY, WITH DOME INDICATOR	1

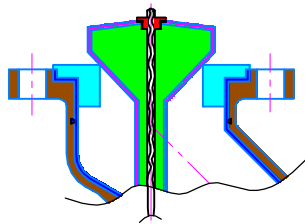
PRIMARY SERVICE RATING & TEST PRESSURE

CLASS	WORKING PRESS.	HYD. TEST PRESSURE		
		BODY	SEAT	TEMP.
150	100 PSIG	225 PSIG	150 PSIG	150/200°C

AIR TEST-SEAT 80 PSIG ±10 PSIG; SPARK TEST: 10 KVA

TECHNICAL DATA

DESIGN & MANUFACTURING STD.	MANUFACTURER'S STD.
TESTING & INSPECTION STD.	API 598
END CONNECTIONS :	FLANGED AS PER ANSI B-16.5
STANDARD RESIN SPECIFICATION	PFA : ASTM D 3418 / FEP : ASTM D 2116



PROVISION RTD SENSOR

FLUSH TANK BOTTOM VALVE DISC OPENING INTO THE TANK DIAPHRAGM ACTUATED SHORT HUB SIDE MOUNT																
SIZE (mm)		Approx.	H	D	Approx.			(FLANGE DIMENSIONS)			WT./KG.					
IN	OUT	L = A+B+C	↑	↓	W	A	B	C	I	O	T1	FOR VALVE ONLY				
1.1/2"	1"		DIM SPECIFIED BY CLIENT	DIM SPECIFIED BY CLIENT	140	157	100		AS PER 1.1/2" NB ASA 150#		14	AS PER 1" NB ASA 150#		11	10	
2"	1.1/2"				165	183	110			AS PER 2" NB ASA 150#		16	AS PER 1.1/2" NB ASA 150#		14	13
3"	2"				176	203	125			AS PER 3" NB ASA 150#		19	AS PER 2" NB ASA 150#		16	16
4"	3"				210	210	150			AS PER 4" NB ASA 150#		24	AS PER 3" NB ASA 150#		19	22
4"	2"				235	203	150			AS PER 4" NB ASA 150#		24	AS PER 2" NB ASA 150#		16	20
6"	4"				260	260	150			AS PER 6" NB ASA 150#		25	AS PER 4" NB ASA 150#		24	38