

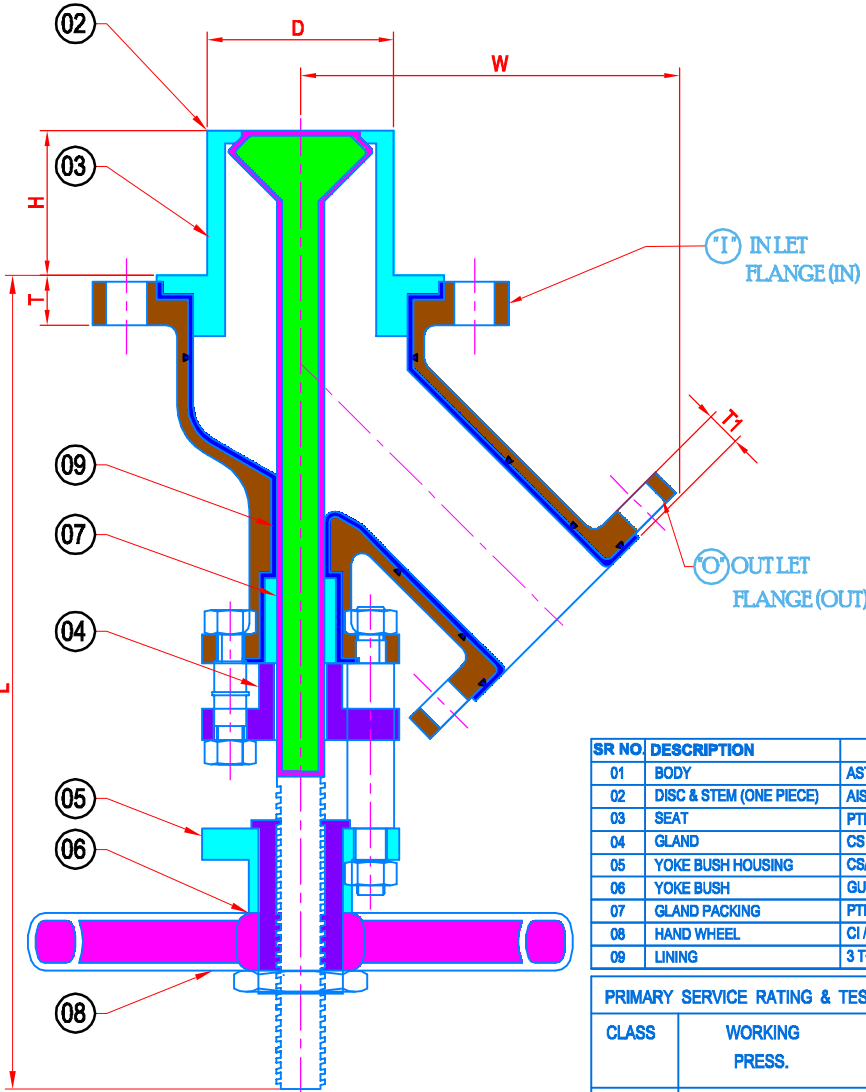
# Icon Valves & Engineering Pvt. Ltd.

www.ptfelinedproducts.com; ptf@ivevalves.com



## FEP / PFA LINED FLUSH TANK BOTTOM VALVE 'Y' TYPE OPEN DOWN 150#

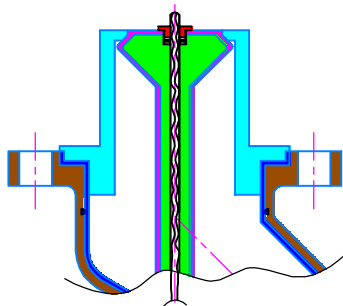
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SR NO.	DESCRIPTION	MATERIAL	QTY.
01	BODY	ASTM A216 WCB, ASTM A351 / CF8 / CF8M x FEP / PFA LINED	1
02	DISC & STEM (ONE PIECE)	AISI SS 304 x FEP / PFA LINED	1
03	SEAT	PTFE / GLASS FILED PTFE	1
04	GLAND	CS / CF 8	1
05	YOKE BUSH HOUSING	CS/ CF 8	1
06	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



**PROVISION RTD SENSOR**

FLUSH TANK BOTTOM VALVE FLANGE END DISC OPENING INTO THE VALVE											
SIZE (mm)	IN	OUT	Approx. L	H	D	Approx. W	(FLANGE DIMENSIONS)		T	T1	WT./KGS.
							I	O			
1.1/2"	1"		375 + H			140	AS PER 1.1/2" NB ASA 150#	14	AS PER 1" NB ASA 150#	11	10
2"	1.1/2"		405 + H			165	AS PER 2" NB ASA 150#	18	AS PER 1.1/2" NB ASA 150#	14	13
3"	2"		485 + H			176	AS PER 3" NB ASA 150#	19	AS PER 2" NB ASA 150#	16	16
4"	3"		520 + H			210	AS PER 4" NB ASA 150#	24	AS PER 3" NB ASA 150#	19	22
4"	2"		520 + H			235	AS PER 4" NB ASA 150#	24	AS PER 2" NB ASA 150#	16	20
6"	4"		810 + H			260	AS PER 6" NB ASA 150#	25	AS PER 4" NB ASA 150#	24	38

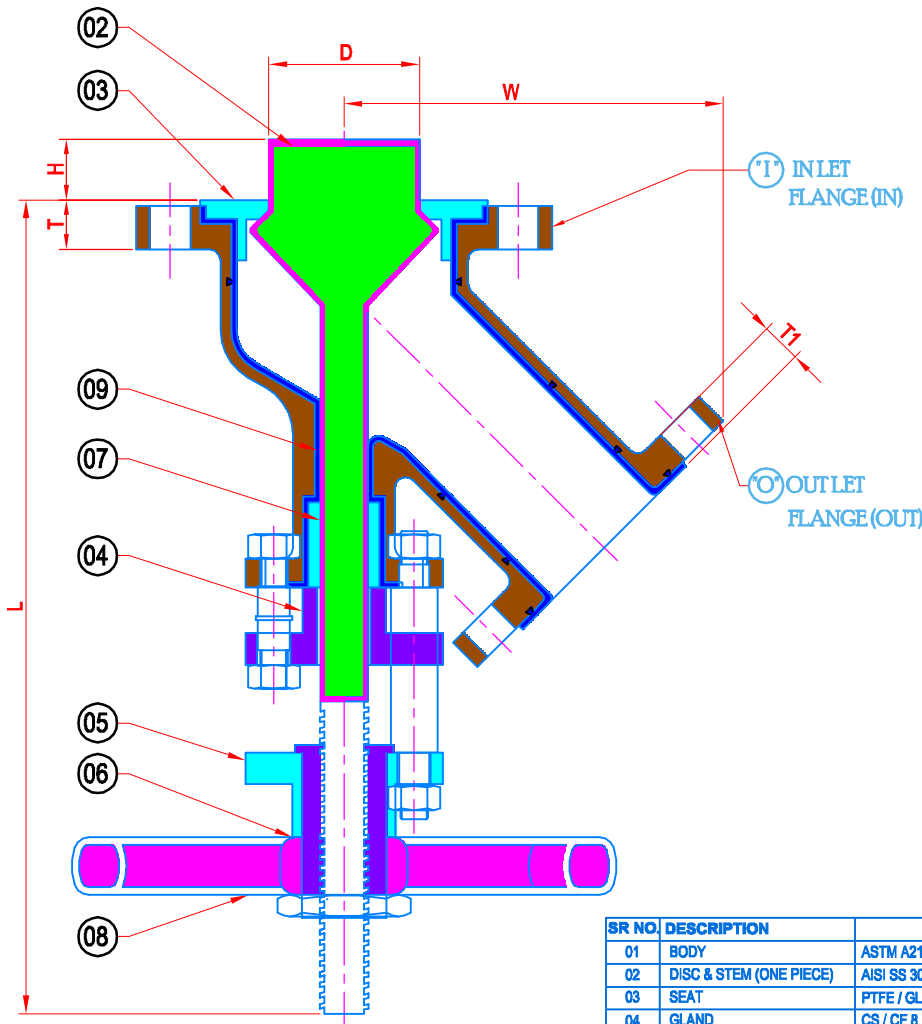
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## FEP / PFA LINED FLUSH TANK BOTTOM VALVE 'Y' TYPE OPEN DOWN 150#

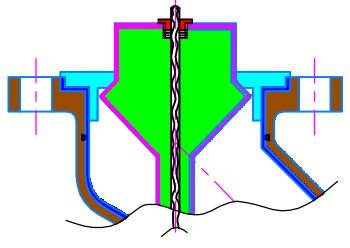
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SR NO.	DESCRIPTION	MATERIAL	QTY.
01	BODY	ASTM A216 WCB, ASTM A351 / CF8 / CF8M x FEP / PFA LINED	1
02	DISC & STEM (ONE PIECE)	AISI SS 304 x FEP / PFA LINED	1
03	SEAT	PTFE / GLASS FILED PTFE	1
04	GLAND	CS / CF 8	1
05	YOKE BUSH HOUSING	CS/ CF 8	1
06	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



PROVISION RTD SENSOR

FLUSH TANK BOTTOM VALVE FLANGE END DISC OPENING INTO THE VALVE SHORT HUB											
SIZE (mm)	IN	OUT	Approx. L	H	D	Approx. W	(FLANGE DIMENSIONS)		T1	WT. / kg.	
							I	O			
1.1/2"	1"		375 + H			140	AS PER 1.1/2" NB ASA 150#	14	AS PER 1" NB ASA 150#	11	10
2"	1.1/2"		405 + H			165	AS PER 2" NB ASA 150#	16	AS PER 1.1/2" NB ASA 150#	14	13
3"	2"		485 + H			176	AS PER 3" NB ASA 150#	19	AS PER 2" NB ASA 150#	16	16
4"	3"		520 + H			210	AS PER 4" NB ASA 150#	24	AS PER 3" NB ASA 150#	19	22
4"	2"		520 + H			235	AS PER 4" NB ASA 150#	24	AS PER 2" NB ASA 150#	16	20
6"	4"		610 + H			260	AS PER 6" NB ASA 150#	25	AS PER 4" NB ASA 150#	24	38

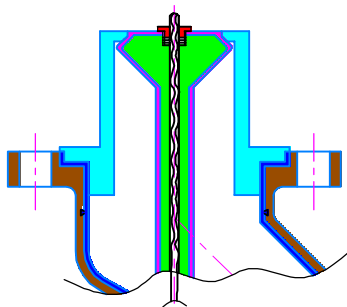
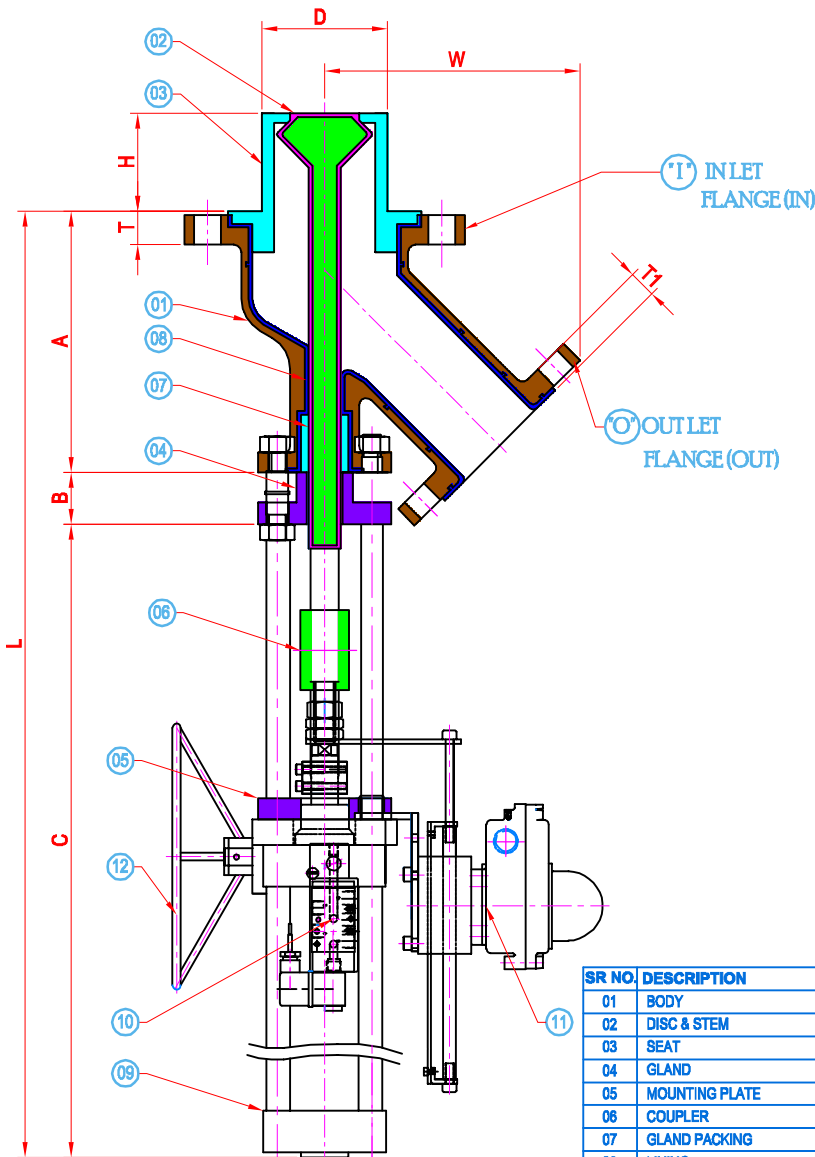
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FEP / PFA LINED FLUSH TANK BOTTOM VALVE CYLINDER ACTUATED OPEN DOWN 150# LONG HUB

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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	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 6MM - 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

FLUSH TANK BOTTOM VALVE FLANGE END DISC OPENING INTO THE VALVE CYLINDER ACTUATED LONG HUB													
SIZE (mm)		Approx. L = A+B+C	H	D	Approx. W	Approx. (FLANGE DIMENSIONS)			Approx. (FLANGE DIMENSIONS)			Wt. /kg.	
IN	OUT					A	B	C	I	T	O		T1
1.1/2"	1"	TO BE SPECIFIED BY CLIENT	TO BE SPECIFIED BY CLIENT	TO BE SPECIFIED BY CLIENT	140	157			AS PER 1.1/2" NB ASA 150#	14	AS PER 1" NB ASA 150#	11	10
2"	1.1/2"				165	183			AS PER 2" NB ASA 150#	16	AS PER 1.1/2" NB ASA 150#	14	13
3"	2"				178	203			AS PER 3" NB ASA 150#	19	AS PER 2" NB ASA 150#	18	16
4"	3"				210	210			AS PER 4" NB ASA 150#	24	AS PER 3" NB ASA 150#	19	22
4"	2"				235	203			AS PER 4" NB ASA 150#	24	AS PER 2" NB ASA 150#	16	20
6"	4"				280	280			AS PER 6" NB ASA 150#	25	AS PER 4" NB ASA 150#	24	38

DIMENSION "B" DEPENDS UPON "H" ACCORDINGLY "L" CHANGES

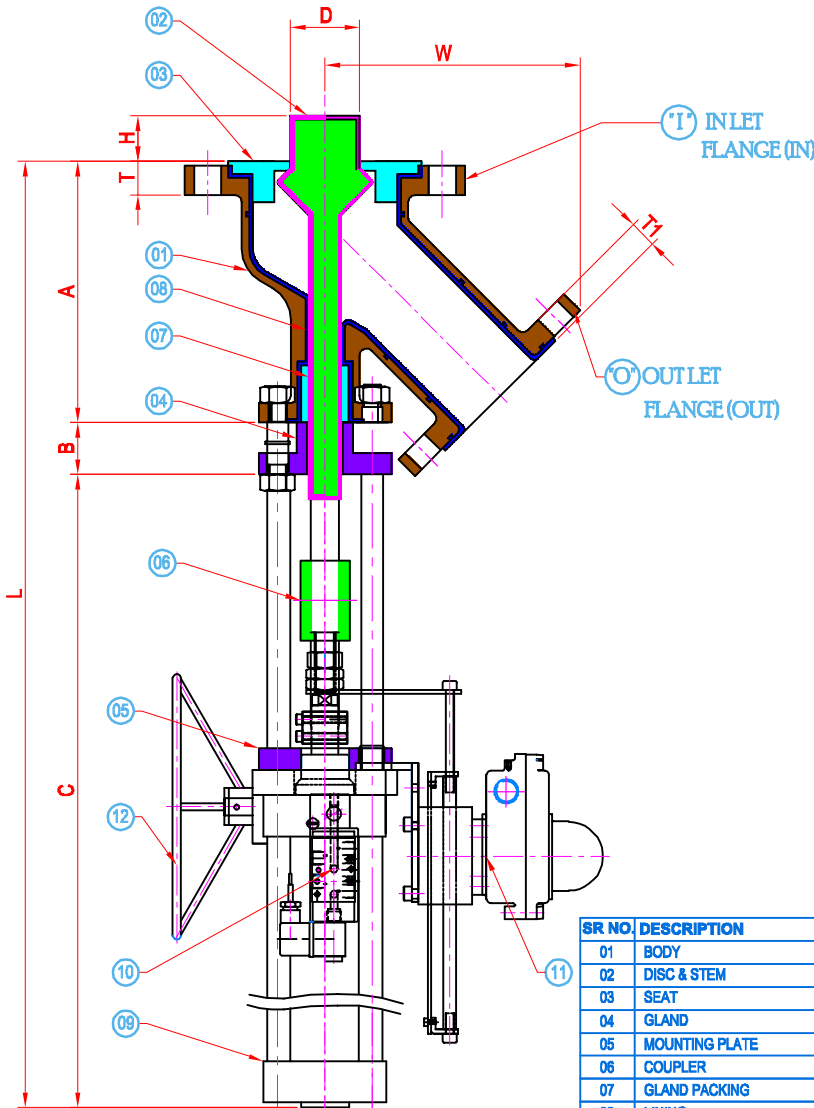
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## FEP / PFA LINED FLUSH BOTTOM VALVE OPEN DOWN CYLINDER OPT 150# SHORT HUB

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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

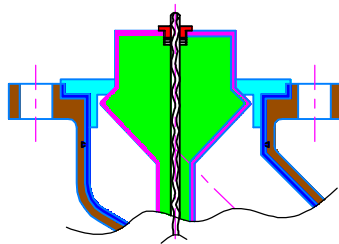
### PRIMARY SERVICE RATING & TEST PRESSURE

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

### 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 VALVE CYLINDER ACTUATED LONG HUB														
SIZE (mm)		Approx.	H	D	Approx.			(FLANGE DIMENSIONS)			(FLANGE DIMENSIONS)		T1	WT. / KGS. FOR VALVE ONLY
IN	OUT	L = A+B+C			W	A	B	C	I	T	O			
1.1/2"	1"		→ TO BE SPECIFIED BY CLIENT	→ TO BE SPECIFIED BY CLIENT	140	157			AS PER 1.1/2" NB ASA 150#	14	AS PER 1" NB ASA 150#	11	10	
2"	1.1/2"				165	183			AS PER 2" NB ASA 150#	16	AS PER 1.1/2" NB ASA 150#	14	13	
3"	2"				178	203			AS PER 3" NB ASA 150#	19	AS PER 2" NB ASA 150#	16	16	
4"	3"				210	210			AS PER 4" NB ASA 150#	24	AS PER 3" NB ASA 150#	19	22	
4"	2"				235	203			AS PER 4" NB ASA 150#	24	AS PER 2" NB ASA 150#	16	20	
6"	4"				280	280			AS PER 6" NB ASA 150#	25	AS PER 4" NB ASA 150#	24	38	

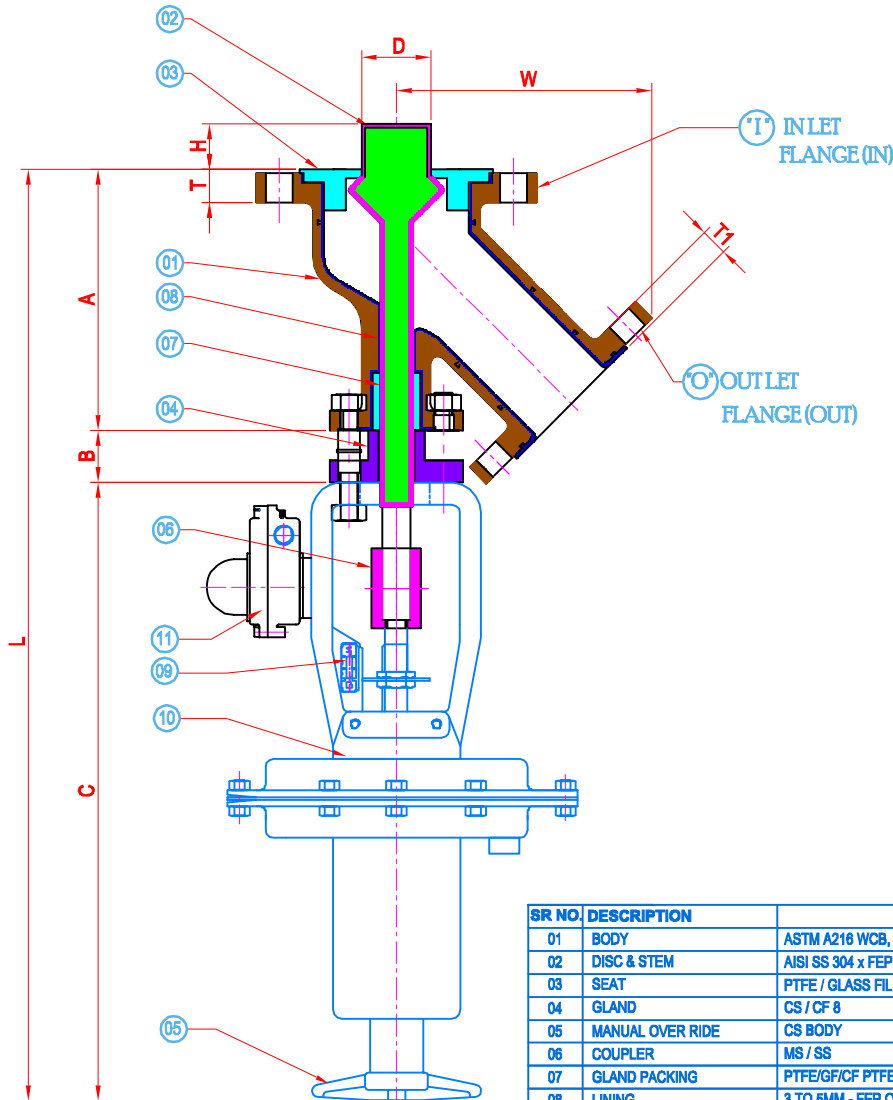
DIMENSION "B" DEPENDS UPON "H" ACCORDINGLY "L" CHANGES

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FEP / PFA LINED FLUSH BOTTOM VALVE OPEN DOWN 150# DIAPHRAGM OPT SHORT HUB TOP MOUNT

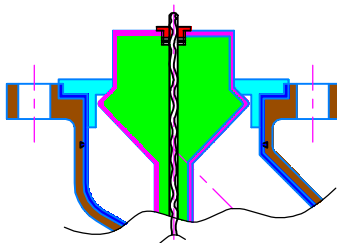


SR NO.	DESCRIPTION	MATERIAL	QTY.
01	BODY	ASTM A216 WCB, ASTM A351 / CF8 / CF8M x FEP / PFA LINED	1
02	DISC & STEM	AISI SS 304 x FEP / PFA LINED	1
03	SEAT	PTFE / GLASS FILED PTFE	1
04	GLAND	CS / CF 8	1
05	MANUAL OVER RIDE	CS BODY	1
06	COUPLER	MS / SS	1
07	GLAND PACKING	PTFE/GF/CF PTFE WITH PTFE ROPE	1
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



**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 D 2116

### FLUSH TANK BOTTOM VALVE DISC OPENING INTO THE VALVE DIAPHRAGM ACTUATED SHORT HUB TOP 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	O	T1	
1.1/2"	1"	TO BE SPECIFIED BY CLIENT	TO BE 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	280	150	AS PER 6" NB ASA 150#	25	AS PER 4" NB ASA 150#	24	38

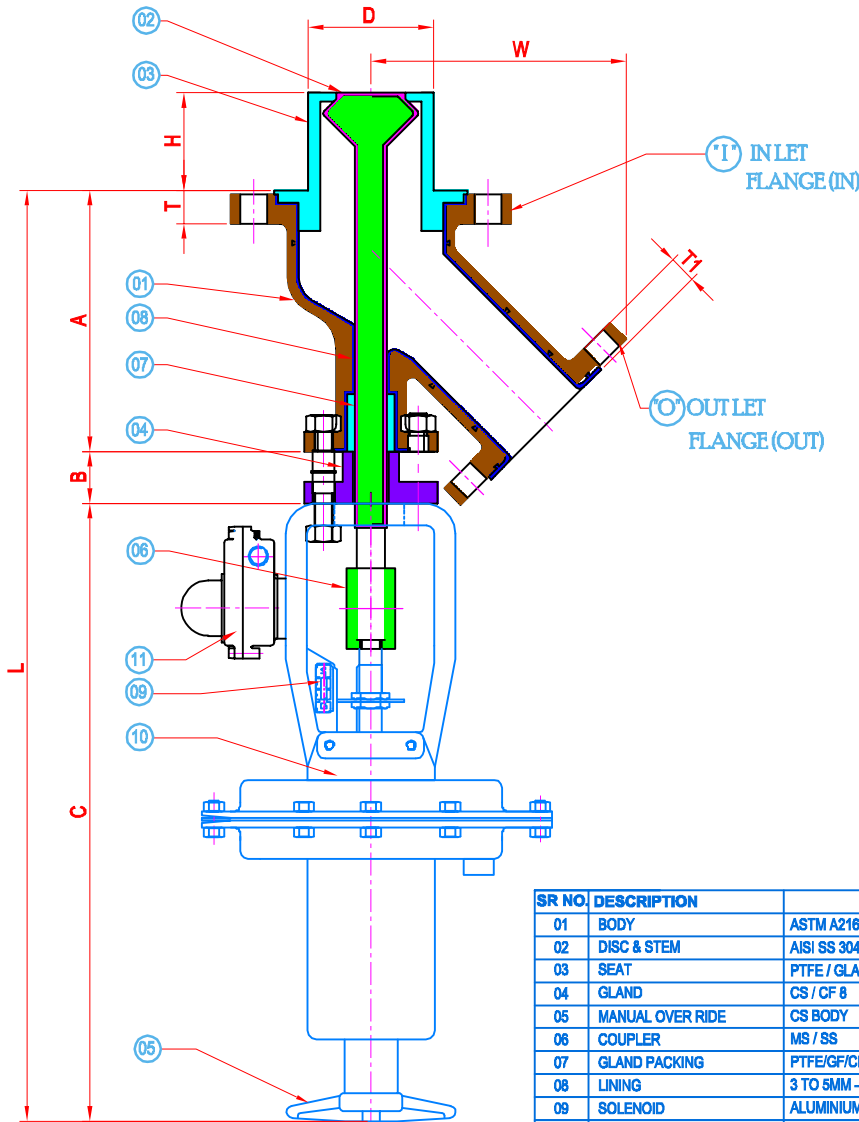
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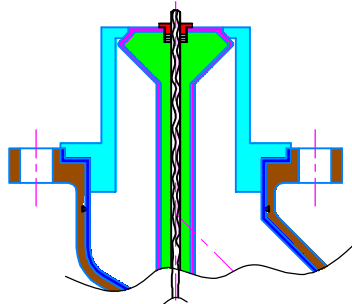
FEP / PFA LINED FLUSH BOTTOM VALVE OPEN DOWN 150# DIAPHRAGM ACTUATED LONG HUB TOP MOUNT



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 VALVE DIAPHRAGM ACTUATED LONG HUB													
SIZE (mm)		Approx. L=A+B+C	H	D	Approx. W	Approx. (FLANGE DIMENSIONS)			(FLANGE DIMENSIONS)		WT./KG. FOR VALVE ONLY		
IN	OUT					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

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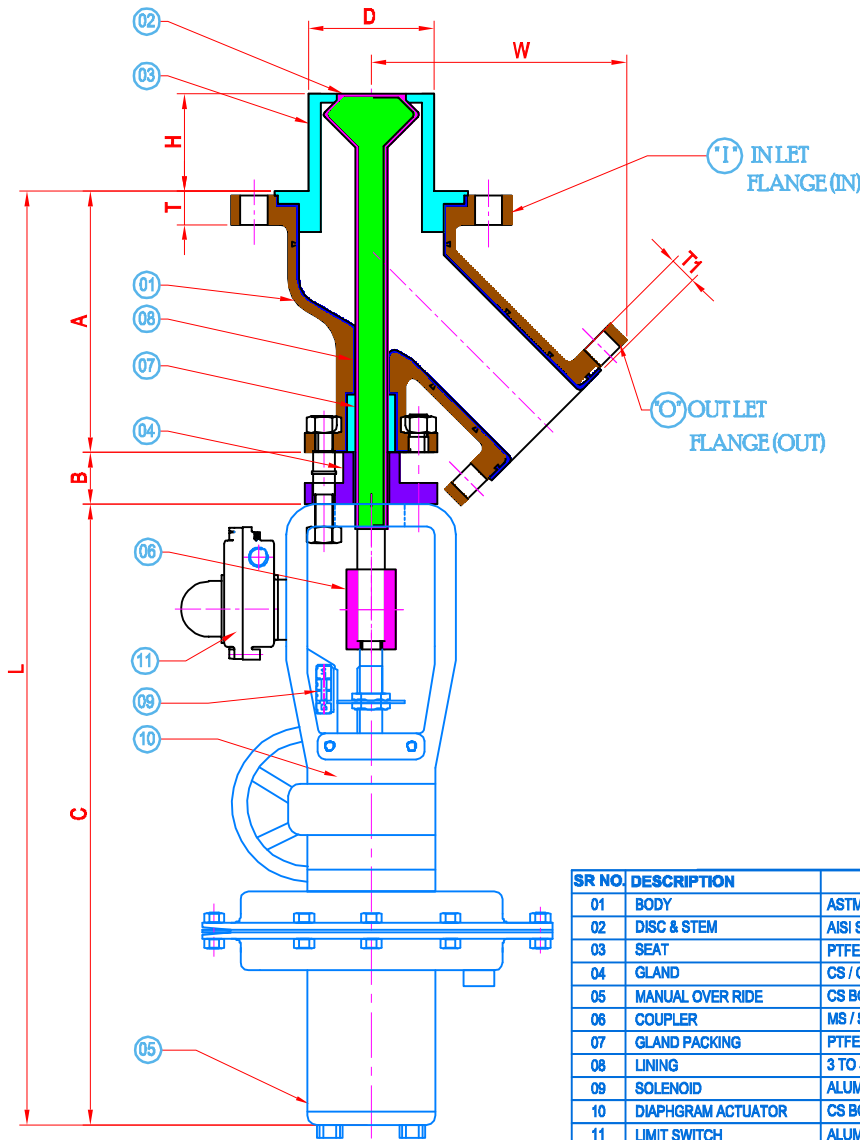
# Icon Valves & Engineering Pvt. Ltd.

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FEP / PFA LINED FLUSH BOTTOM VALVE OPEN DOWN 150# DIAPHRAGM OPT LONG HUB SIDE MOUNT

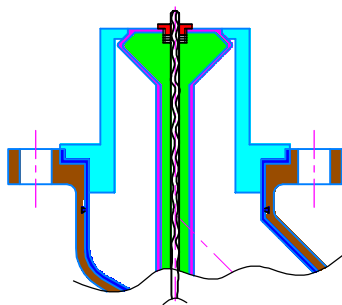
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SR NO.	DESCRIPTION	MATERIAL	QTY.
01	BODY	ASTM A216 WCB, ASTM A351 / CF8 / CF8M x FEP / PFA LINED	1
02	DISC & STEM	AISI SS 304 x FEP / PFA LINED	1
03	SEAT	PTFE / GLASS FILED PTFE	1
04	GLAND	CS / CF 8	1
05	MANUAL OVER RIDE	CS BODY	1
06	COUPLER	MS / SS	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 VALVE DIAPHRAGM ACTUATED LONG HUB SIDE MOUNT													
SIZE (mm)	IN	OUT	Approx. L = A+B+C	H	D	Approx. (FLANGE DIMENSIONS)				Approx. (FLANGE DIMENSIONS)		Wt. / kg. FOR VALVE ONLY	
						W	A	B	C	T	O		T1
1.1/2"	1"					140	157	100		14	AS PER 1" NB ASA 150#	11	10
2"	1.1/2"					165	183	110		16	AS PER 1.1/2" NB ASA 150#	14	13
3"	2"					176	203	125		19	AS PER 2" NB ASA 150#	16	16
4"	3"					210	210	150		24	AS PER 3" NB ASA 150#	19	22
4"	2"					235	203	150		24	AS PER 2" NB ASA 150#	16	20
6"	4"					260	280	150		25	AS PER 4" NB ASA 150#	24	38

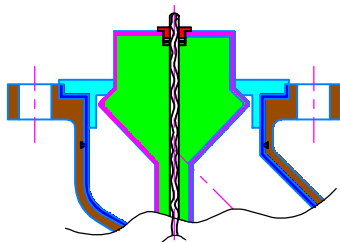
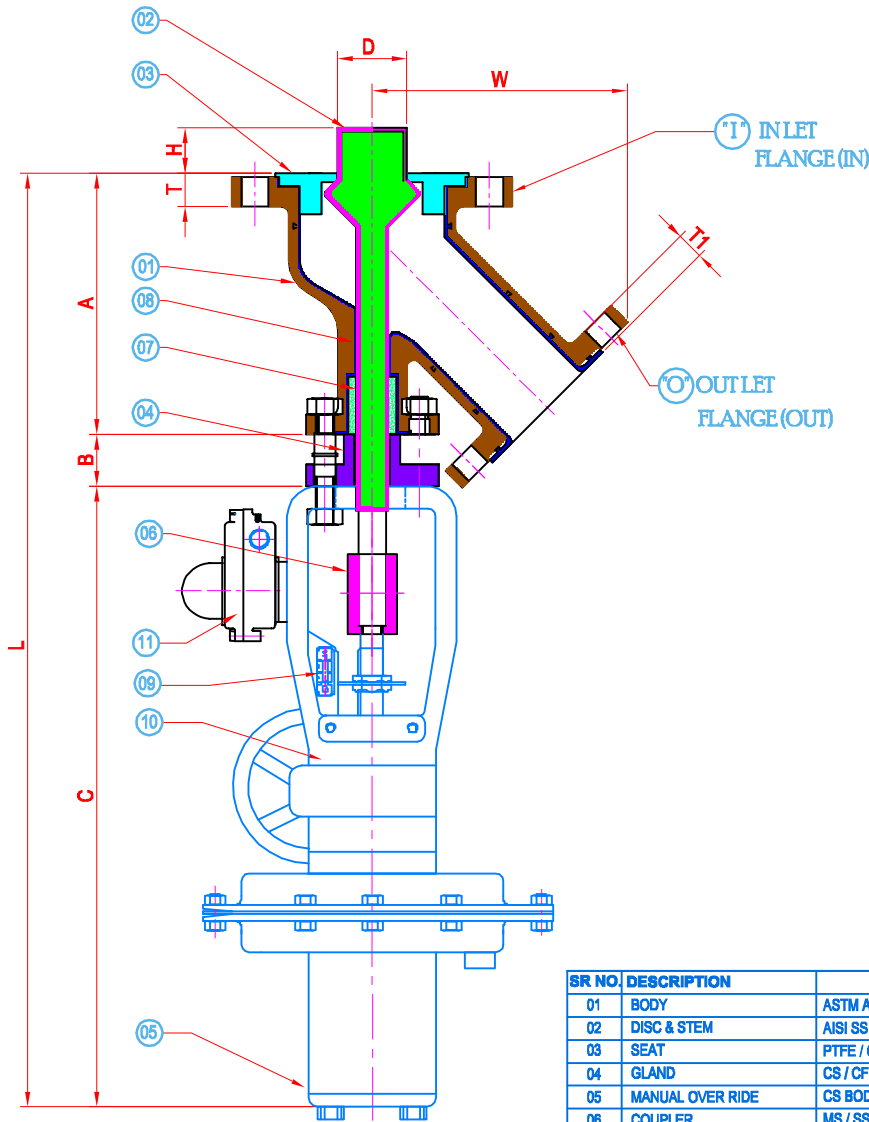
# Icon Valves & Engineering Pvt. Ltd.

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FEP / PFA LINED FLUSH BOTTOM VALVE OPEN DOWN DIAPHRAGM OPT 150# SHORT 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 VALVE DIAPHRAGM ACTUATED SHORT HUB SIDE MOUNT												
SIZE (mm)	Approx. L = A+B+C	H	D	Approx. W	Approx. (FLANGE DIMENSIONS)			Approx. (FLANGE DIMENSIONS)			WT./KG. FOR VALVE ONLY	
IN	OUT				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#	18	20
6"	4"			280	280	150		AS PER 6" NB ASA 150#	25	AS PER 4" NB ASA 150#	24	38