



**PTFE SLEEVED PLUG VALVE**

## Sleeved Plug Valve



### TECHNICAL SPECIFICATION

Design STD	:	API 599
Face to Face	:	ASME B16.10
Flanged End	:	ASME B16.5 , Table D,E,F, DIN PN10, JIS 10K
Testing STD	:	API 598
MOC	:	Nickel, Inconel, Hastelloy, Monel , Super Duplex, Alloy Steel
	:	Stainless steel , Carbon Steel
Sleeve MOC	:	PTFE , Glass PTFE , Carbon PTFE , Graphite PTFE , RBC 006 , TFM
Operation	:	Manual Lever , Gear box , Actuator

ENDS	CLASS	SIZE IN MM
Flanged End	150#	15-300
Flanged End	300#	15-200

## Sleeved Jacketed Plug Valve



### TECHNICAL SPECIFICATION

Design STD	:	API 599
Face to Face	:	ASME B16.10
Flanged End	:	ASME B16.5, Table D,E,F, DIN PN10, JIS 10K
Testing STD	:	API 598
MOC	:	Nickel, Inconel, Hastelloy, Monel, Super Duplex, Alloy Steel
	:	Stainless steel, Carbon Steel
Sleeve MOC	:	PTFE, Glass PTFE, Carbon PTFE, Graphite PTFE, RBC 006, TFM
Operation	:	Manual Lever, Gear box, Actuator, RBC 006,TFM

ENDS	CLASS	SIZE IN MM
Flanged End	150#	15-300
Flanged End	300#	15-200

## ASME B 16.5(2009) -Raised Face Flanges Dimensions CLASS 150

SIZE NPS (")	1/2	3/4	1	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24	
SIZE DN (mm)	15	20	25	40	50	65	80	100	150	200	250	300	350	400	450	500	600	
RFD	RAISED FACE DIA	34.9	42.9	50.8	73	92.1	104.8	127	157.2	215.9	269.9	323.8	381	412.8	469.9	533.4	584.2	692.2
B	BORE DIA	13	19	25	38	51	64	76	102	152	203	254	305	337	387	438	489	591
O	OUT SIDE DIA	90	100	110	125	150	180	190	230	280	345	405	485	535	595	635	700	815
C	THICKNESS	10	10.9	11.6	14.7	16.3	17.9	19.5	24.3	25.9	29	30.6	32.2	35.4	37	40.1	43.3	48.1
P	PCD	60.3	69.9	79.4	98.4	120.7	139.7	152.4	190.5	241.3	298.5	362	431.8	476.3	539.8	577.9	635	749.3
N	NO. OF HOLES	4	4	4	4	4	4	4	8	8	8	12	12	12	16	16	20	20
D	DRILL DIA	15.9	15.9	15.9	15.9	19.1	19.1	19.1	19.1	22.2	22.2	25.4	25.4	28.6	28.6	31.8	31.8	34.9

## CLASS 300

SIZE NPS (")	1/2	3/4	1	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24	
SIZE DN (mm)	15	20	25	40	50	65	80	100	150	200	250	300	350	400	450	500	600	
RFD	RAISED FACE DIA	34.9	42.9	50.8	73	92.1	104.8	127	157.2	215.9	269.9	323.8	381	412.8	469.9	533.4	584.2	692.2
B	BORE DIA	13	19	25	38	51	64	76	102	152	203	254	305	337	387	432	483	584
O	OUT SIDE DIA	95	115	125	155	165	190	210	255	320	380	445	520	585	650	710	775	915
C	THICKNESS	14.7	16.3	17.9	21.1	22.7	25.9	29	32.2	37	41.7	48.1	51.3	54.4	57.6	60.8	64	70.3
P	PCD	66.7	82.6	88.9	114.3	127	149.2	168.3	200	269.9	330.2	387.4	450.8	514.4	571.5	628.6	685.8	812.8
N	NO. OF HOLES	4	4	4	4	8	8	8	8	12	12	16	16	20	20	24	24	24
D	DRILL DIA	15.9	19.1	19.1	22.2	19.1	22.2	22.2	22.2	22.2	25.4	28.6	31.8	31.8	34.9	34.9	34.9	41.3

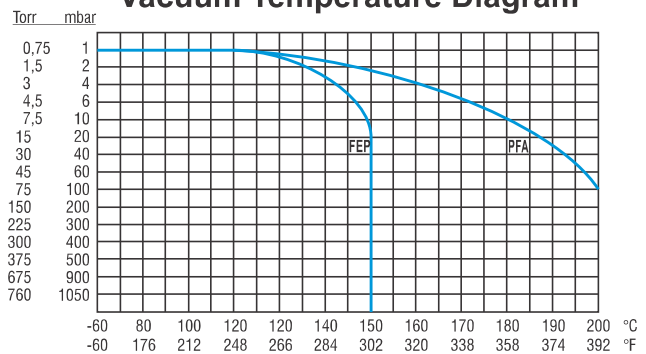
## Test Pressures To ASME B 16.34 /API 598

### Hydrostatic Test

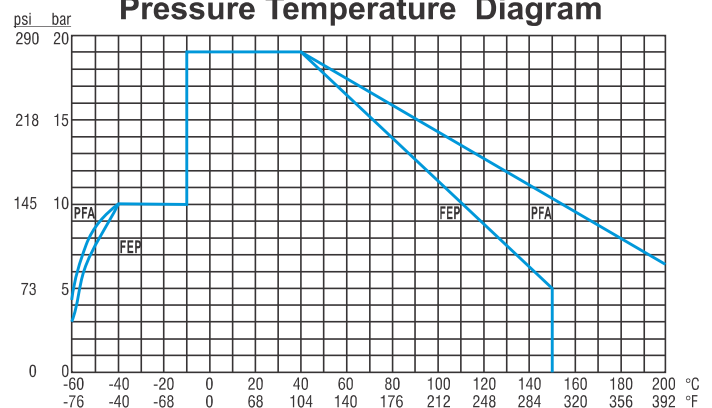
RATING	150#		300#	
	Shell	Seat	Shell	Seat
MATERIAL	kg/cm2		kg/cm2	
A216 WCB	32	23	79.5	58.5
A352-LCB	28.5	21.5	74	54.5
A217-WC4	32	23	79.5	58.5
A217-WC5				
A217-WC6	32	23.7	9.5	58.5
A217-WC9	32	23.7	9.5	58.5
A217-C5	32	23.7	9.5	58.5
A351-CF3	30	23	77.5	56.5
A351-CF8				
A351-CF3A	30	23	77.5	56.5
A351-CF8A				
A351-CF3M				
A351-CF8M				
A351-CN7M				
A351-CN7M	25	19.5	63.5	49.5

JACKET AIR SHELL TEST 6.9 bar

## Vacuum Temperature Diagram



## Pressure Temperature Diagram





**KHIMJI FLOW EQUIPMENTS PRIVATE LIMITED**  
**BLOCK NO.67E, 67F, TARIHAL, REVADIHAL ROAD,**  
**REVADIHAL VILLAGE HUBLI - 580026**  
Email. [info@kfel.com](mailto:info@kfel.com) W : [www.kfel.com](http://www.kfel.com)

