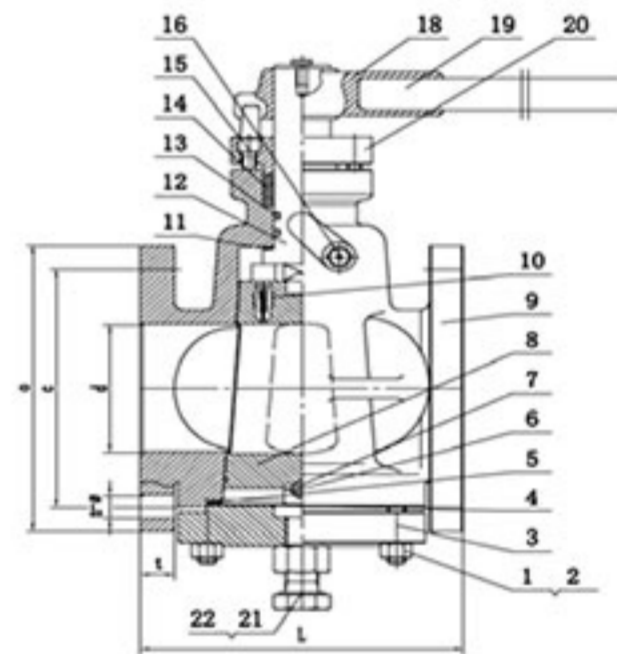


## Pressure balanced Lubricated Taper Plug Valve

### Technical specifications:

Design & manufacturing: API599, API6D;  
Structural length standard: ASME B16.10;  
Flange standard: ASME B16.5;  
Pressure-temperature rating: ASME B16.34;  
Inspection & Test standard: API 598

Nominal pressure: class150~900lbs; class 125 for cast iron material;  
Work temperature: -29~180 degrees, and it can work at -196°C-650°C by using special materials;  
Medium: oil, chemical, pharmaceutical, fertilizer, power industry etc., it is used for cut off or switch on the pipeline medium.



## Features:

1. Reasonable structure, reliable sealing, good performance and beautiful appearance;
2. It is light to switch on/off;
3. An oil tank is arranged between the valve body and the sealing surface, and the sealing grease can be injected into the valve seat at any time to increase sealing performance;
4. Parts material and flange size can be selected according to actual working conditions or user requirements, to meet the needs of various projects.

## Performance parameters:

NPS (LB)	Shell Test (MPa)	Seal Test (MPa)	Applicable Temp. (°C)	Applicable Medium
125(CI)/150	1.5/3	1.1/2.2	≤180°C ≤80°C (PTFE)	Water, Steam, Oil & Gas
300	7.5	5.5		
600	15	11		
900	22.5	16.5		

## Optional Part Materials:

No.	Part Name	Materials
1	bolt stud	ASTM A194-2H, A194-8, A194-8M A193 B7
2	Hex. nut	ASTM A194-2H, A194-8, A194-8M
3	Bonnet	ASTM A216 CLASS B;ASTM A216-WCB; ASTM A217-WC1, WC6, WC9, C5; ASTM A351-CF8, CF8M, CF3, CF3M;
4	Gasket	Flexible Graphite + Stainless steel
5	Plug	ASTM A182-Gr. F6a; ASTM A182-F22; ASTM A182-F304, F316, F321, F304L, F316L; ASTM A216-WCB; ASTM A126 Class B, ASTM A536-40...
6	Body	ASTM A216-WCB; ASTM A217-WC1, WC6, WC9, C5; ASTM A351-CF8, CF8M, CF3, CF3M; ASTM A126 Class B; ASTM A536-40...
7	Stem	ASTM A182-Gr.F6a, ASTM A182-F22, ASTM A182-F304, F316, F321, F304L, F316L
8	O-ring	Rubber, NBR
9	Packing	Flexible Graphite
10	Stuffing Gland	ASTM A216-WCB, ASTM A217-WC1, WC6, WC9, C5, ASTM A351-CF8, CF8M, CF3, CF3M...
11	Nozzle	
12	Check Valve	
13	Hand lever	ASTM A47-32510, A216 WCB

## Dimensions:

Rating		150LB															
Size	mm	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	
	in	1/2	3/4	1	1/4	1-1/2	2	2-1/2	3	4	5	6	8	10	12	14	
L		108	117	127	140	165	178	190	203	229	254	267	292	330	356	381	
H		180	180	185	200	210	215	250	270	300	340	365	400	450	510	590	
W		400	400	500	500	600	600	820	820	300	300	320	320	350	380	380	
(kg)																	
4" or above for worm gear operation																	
Rating		300LB															
Size	mm	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	
	in	1/2	3/4	1	1/4	1-1/2	2	2-1/2	3	4	5	6	8	10	12	14	
L		140	152	165	178	190	216	241	283	305	381	403	419	457	502	762	
H		180	180	185	200	210	215	250	270	300	340	365	400	450	510	590	
W		400	400	500	600	600	820	1000	1000	300	300	320	320	350	380	380	
W.T (kg)																	
4" or above for worm gear operation																	
Rating		600LB															
Size	mm	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	
	in	1/2	3/4	1	1/4	1-1/2	2	2-1/2	3	4	5	6	8	10	12	14	
L		165	190	216	229	241	292	330	356	432	508	559	660	787	838	889	
H		180	180	185	200	210	215	250	270	300	340	365	400	450	510	590	
W		400	400	500	500	600	600	820	820	300	300	320	320	350	380	380	
W.T (kg)																	
4" or above for worm gear operation																	
Rating		900LB															
Size	mm	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	
	in	1/2	3/4	1	1/4	1-1/2	2	2-1/2	3	4	5	6	8	10	12	14	
L		229	229	254	279	305	368	419	381	457	559	610	737	838	965	1029	
H		180	180	185	200	210	215	250	270	300	340	365	400	450	510	590	
W		400	400	500	60	600	820	1000	1000	300	300	320	320	350	380	380	
W.T. (kg)																	

·Specification is subject to change without prior notice due to function improvement.