

INVERTED PRESSURE BALANCE LUBRICATED PLUG VALVE ACC.TO ANSI

TECHNICAL SPECIFICATIONS

Structural formation	BC
Diving manner	Hand-operated
	Electric- operated
Design standard	AP1599, AP16D
Face to face	ASME B16.10
Flange end	ASME B 16.5
Test & inspection	AP1598.AP16D

PRLDUCT'S PERFORMANCE SPECIFICATIONS

PN(LB)	Shell test (MPa)	Sealing test (MPa)	Suitable temperature	Suitable medium
150	3.0	2.2	≤180℃	Water oil & gas
300	7.5	5.5		
600	15.0	11.0		
900	22.5	16.5		

MAIN PART'S MATERIALS

NO	Part name	Material
1	Bolt	ASTM A 193-B7, A193-8, A193-B8M
2	Nut	ASTM A 194-2H, A194-8, A194-8M
3	Cover	ASTM A216-WCB ASTM A351-CF8,CF8M,CF3,CF3M
4	Gasket	Flexible graphite + stainless steel
5	Plug	ASTM A182-Gr.F6a ASTM A182-F22 ASTM A351-CF8,CR5M,CF3,CF3M
6	Body	ASTM A216-WCB ASTM A351-CF8,CF8M,CF3,CF3M
7	Stem	ASTM A182-Gr.F6a ASTM A182-F22 ASTM A182-F304,F316,F321,F304L,F316L
8	O ring	VITON
9	Packing	Flexible graphite + 304
10	Gland	ASTM A216-WCB ASTM A351-CF8,CF8M,CF3,CF3M
11	Oil nozzle	
12	Wrench	ASTM A47-32510, A216 WCB

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SEHEMATIC DIAGRAM OF INSTALLATION

Model		X47W-150LB														
Pressure		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 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14
L-RF		108	117	127	140	165	178	190	203	229	245	267	292	330	356	381
L-BW		152	178	203	216	229	267	305	330	356	381	394	457	533	610	686



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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	
Weight(kg)	10	12	14	17	19	21	29	33	48	75	98	125	171	230	370	
Model	X47W-300LB															
Pressure	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 ¹ / ₄	1 ¹ / ₂	2	2 ¹ / ₂	3	4	5	6	8	10	12	14
L-RF	140	152	165	178	190	216	241	283	305	381	403	419	457	502	762	
L-BW	152	178	203	216	229	267	305	330	356	381	457	521	550	635	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	
Weight(kg)	12	14	16	19	21	24	31	36	61	86	130	190	255	380	560	
Model	X47W-600LB															
Pressure	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 ¹ / ₄	1 ¹ / ₂	2	2 ¹ / ₂	3	4	5	6	8	10	12	14
L-RB.BW	165	190	216	229	214	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	820	1000	1000	300	300	320	320	350	380	380	
Weight(kg)	14	16	18	20	24	29	35	47	91	129	210	320	660	920	1250	
Model	X47W-900LB															
Pressure	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 ¹ / ₄	1 ¹ / ₂	2	2 ¹ / ₂	3	4	5	6	8	10	12	14
L-RB.BW	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	500	600	820	1000	1000	300	300	320	320	350	380	380	
Weight(kg)	17	29	21	24	30	37	44	65	110	160	255	380	810	1050	1460	

Note: 4" or above with worm gear