



公司名称: 上海天阀贸易有限公司  
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 地 址: 上海市嘉定区南翔镇翔乐路318号

## FLANGE-CONNECTION LIFTING PLUG VALVE ACC.TO ANSI

### TECHNICAL SPECIFICATIONS

Structural formation	BB-BG-OS & Y
Diving manner	Hand wheel, bevel gear, wrench
Design standard	AP1599, AP16D
Face to face	ASME B16.10
Flange end	ASME B 16.5
Test & inspection	AP1598.AP16D

Note: size of serial valve connecting can be designed according to customer's requirements.

### PRLDUCT'S PERFORMANCE SPECIFICATIONS

PN(LB)	Shell test (MPa)	Sealing test (MPa)	Suitable temperature	Suitable medium
150	3.0	2.2	≤550℃	Water oil & gas
300	7.5	5.5		
600	15.0	11.0		
900	22.5	16.5		
1500	37.5	27.5		

### MAIN PART'S MATERIALS

NO	Part name	Material
1	Body	ASTM A216-WCB A 217-WC1,WC6,WC9,C5, ASTM A351-CF8,CF8M,CF3,CF3M
2	Plug	ASTM A182-Gr.F6a ASTM A182-F22 ASTM A 217-WC1,WC6,WC9,C5, ASTM A351-CF8,CF8M,CF3,CF3M
3	Gasket	Flexible graphite + stainless steel
4	Cover	ASTM A216-WCB A 217-WC1,WC6,WC9,C5, ASTM A351-CF8,CF8M,CF3,CF3M
5	Bolt	ASTM A193-B7,A193-B8,A193-B8M
6	Nut	ASTM A194-2H,A194-8,A194-8M
7	Packing	Flexible graphite + 304
8	Gland	ASTM A216-WCB A 217-WC1,WC6,WC9,C5, ASTM A351-CF8,CF8M,CF3,CF3M
9	Wrench	ASTM A216-WCB, ASTM A351-CF8,CF8M,CF3,CF3M
10	Yoke nut	ZQA19-4
11	Hand wheel	ASTM A536 Gr.60-40-18 ,ASTM A216-WCB

### SEHEMATIC DIAGRAM OF INSTALLATION

Model		X43Y-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	
H		190	195	225	160	280	310	340	395	435	470	535	590	630	680	720	
W		120	140	140	180	200	220	260	280	300	340	400	450	450	500	500	
Weight(kg)		9	10	11	17	19	23	25	30	55	82	98	130	178	250	380	
Model		X43Y-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		104	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	559	635	762	
H		190	195	225	260	280	310	340	395	435	470	535	590	630	680	720	



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W	120	140	140	180	200	220	260	280	300	340	400	450	450	500	500	
Weight(kg)	10	12	14	19	21	28	34	39	75	95	135	200	255	415	650	
Model	X43Y-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 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>2</sub>	2	2 <sup>1</sup> / <sub>2</sub>	3	4	5	6	8	10	12	14
L-RF,BW	165	190	216	229	241	292	330	356	432	508	559	660	787	838	889	
H	190	195	225	260	280	310	340	395	435	470	535	590	630	680	720	
W	120	140	140	180	200	220	260	280	300	340	400	450	450	500	500	
Weight(kg)	13	14	19	23	25	32	40	55	105	139	300	440	730	1150	1570	
Model	X43Y-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 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>2</sub>	2	2 <sup>1</sup> / <sub>2</sub>	3	4	5	6	8	10	12	14
L-RF,BW	165	190	216	229	241	292	330	356	432	508	559	660	787	838	889	
H	190	195	225	260	280	310	340	395	435	470	535	590	630	680	720	
W	120	140	140	180	200	220	260	280	300	340	400	450	450	500	500	
Weight(kg)	13	14	19	23	25	32	40	55	105	139	300	440	730	1150	1570	