

# Plug Valve

## Technical Specifications

Structural formation	BC
Driving manner	Hand-operated
	Electric-actuated
Design standard	API599 API6D
Face to face	ASME B16.10
Flange ends	ASME B16.5
Test & inspection	API598.API 6D

## Specifications

<b>Model</b>	<b>YDAX47-150LB</b>															
<b>Pressure</b>	<b>150LB</b>															
<b>Size</b>	<b>mm</b>	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350
	<b>in</b>	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14
<b>L</b>	108	117	127	140	165	178	190	203	229	254	267	292	330	356	381	
<b>H</b>	180	180	185	200	210	215	250	270	300	340	365	400	450	510	590	
<b>W</b>	400	400	500	500	600	600	820	820	300	300	320	320	350	380	380	
<b>Weight kg</b>	10	12	14	17	19	21	29	33	48	75	98	125	171	230	370	
<b>Model</b>	<b>YDAX47-300LB</b>															
<b>Pressure</b>	<b>300LB</b>															
<b>Size</b>	<b>mm</b>	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350
	<b>in</b>	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14
<b>L</b>	140	152	165	178	190	216	241	283	305	381	403	419	457	502	762	
<b>H</b>	180	180	185	200	210	215	250	270	300	340	365	400	450	510	590	
<b>W</b>	400	400	185	600	600	820	1000	1000	300	300	320	320	350	380	380	
<b>Weight kg</b>	12	14	16	19	21	24	31	36	61	86	130	190	255	380	560	
<b>Model</b>	<b>YDAX47-600LB</b>															

<b>Pressure</b>		<b>600LB</b>															
<b>Size</b>	<b>mm</b>	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	
	<b>in</b>	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	
<b>L</b>		165	190	216	229	241	292	330	356	432	508	559	660	787	838	889	
<b>H</b>		180	180	185	200	210	215	250	270	300	340	365	400	450	510	590	
<b>W</b>		400	400	500	500	600	600	820	820	300	300	320	320	350	380	380	
<b>Weight kg</b>		14	16	18	20	24	29	35	47	91	129	210	320	660	920	1250	
<b>Model</b>		<b>YDAX47-900LB</b>															
<b>Pressure</b>		<b>900LB</b>															
<b>Size</b>	<b>mm</b>	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	
	<b>In</b>	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	
<b>L</b>		229	229	254	279	305	368	419	381	457	559	610	737	838	965	1029	
<b>H</b>		180	180	185	200	210	215	250	270	300	340	365	400	450	510	590	
<b>W</b>		400	400	500	60	600	820	1000	1000	300	300	320	320	350	380	380	
<b>Weight kg</b>		17	29	21	24	30	37	44	65	110	160	255	380	810	1050	1460	

## Main Parts Materials

Part name	Material
Bolt	ASTM A194-2HA194-8A194-8M
Nut	ASTM A194-2HA194-8A194-8M
Cover	ASTM A216-WCB ASTM A217-WC1WC6WC9C5 ASTM A351-CF8CF8MCF3CF3M
Gasket	Flexible graphite stainless steelPTFE
Plug	ASTM A182-Gr.F6a ASTM A182-F22 ASTM A182-F304F316F321F304LF316L
Body	ASTM A216-WCB ASTM A217-WC1WC6WC9C5 ASTM A351-CF8CF8MCF3CF3M
Stem	ASTM A182-Gr.F6a ASTM A182-F22 ASTM A182-F304F316F321F304LF316L
"o"ring	NBR
Packing	Flexible graphite PTFE
Gland	ASTM A216-WCB ASTM A217-WC1WC6WC9C5 ASTM A351-CF8CF8MCF3CF3M
Oil nozzle	
Check valve	
Wrench	ASTM A47-32510A216 WCB

## Products Performance Specification

(LB)Nominal pressure	(MPa)Shell test	(MPa)Sealing test	Suitable temp	Suitable medium
150	3.0	2.2	≤180°C	Water oil & gas
300	7.5	5.5		
600	15.0	11.0		
900	22.5	16.5		