



standard features

- **Description** BOLTED BONNET
OUTSIDE SCREW AND YOKE
RISING STEM
RISING HANDWHEEL
SWIVEL PLUG DISC
RENEWABLE SEATS
- **Design** BS 1873
ASME B16.34
WALL THICKNESS TO API 600
- **Face to face** ASME B16.10
- **Flanges** ASME B16.5
BW ENDS TO ASME B16.25
- **Testing** API 598
API 6D
BS 6755
- **Rating** ASME B16.34
- **Marking** MSS-SP 25
CE - PED
- **Certificates** EN 10204 – 3.1 B

PART NAME	W46xA	L46xA	M46xA	C46xA	B46xA	E46xA	D46xA	F46xA	H46xA
1 Body	WCB	LCB	WC6	C5	C12	CF8	CF8C	CF8M	CF3M
2 Bonnet	WCB	LCB	WC6	C5	C12	CF8	CF8C	CF8M	CF3M
3 Seat ring surface	F6A (1)	F6A (1)	F6A (1)	F6A (1)	F6A (1)	F304 (1)	F321 (1)	F316 (1)	F316L (1)
4 Disc seat surface	F6A (2)	F6A (2)	F6A (2)	F6A (2)	F6A (2)	F304 (2)	F321 (2)	F316 (2)	F316L (2)
5 Stem	F6A (3)	F6A (3)	F6A (3)	F6A (3)	F6A (3)	F304 (3)	F321 (3)	F316 (3)	F316L (3)
6 Back seat	F6A	F6A	F6A	F6A	F6A	F304	F321	F316	F316L
7 Gland	F6A	F6A	F6A	F6A	F6A	F304	F321	F316	F316L
8 Gland flange	A105	F316	F316	F316	F316	F316	F316	F316	F316L
9 Yoke sleeve	B148 9A (4)	B148 9A (4)	Nod.Iron	Nod.Iron	Nod.Iron	B148 9A (4)	B148 9A (4)	B148 9A (4)	B148 9A (4)
10 Disc nut	F6A	F6A	F6A	F6A	F6A	F304	F321	F316	F316L
11 Handwheel					Steel				
12 Plate					A105				
13 Handwheel nut					A105				
14 Bolts	B7	L7	B16	B16	B16	B8	B8	B8	B8
15 Nuts	2H	G7	G7	G7	G7	G8	G8	G8	G8
16 Eye bolts	B7	L7	B16	B16	B16	B8	B8	B8	B8
17 Nuts	2H	G7	G7	G7	G7	G8	G8	G8	G8
18 Eye bolt pin	B7	L7	B16	B16	B16	B8	B8	B8	B8
19 Gasket					S.S. spiral wound reinf. graphite / RTJ (5)				
20 Packing					Graphite rings & wiper rings (6)				

(1) On request: faced with Stellite® - Monel® - Hastelloy® - other materials
 (2) On request: faced with Stellite® - Monel® - Hastelloy® - other materials
 (3) On request: 17 Cr - Monel® - Hastelloy® - other materials

(4) On request: Nodular Iron - Nitronic 60
 (5) On request: PTFE - other materials
 (6) On request: PTFE - other materials

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FIG. N. 460A - GLOBE VALVES - ANGLE TYPE ASME CLASS 150

SIZE	2"	2½"	3"	4"	5"	6"	8"	10"	12"	14"	16"	--	--	--	--
L RF/BW	102	108	121	146	178	203	248	311	349	394	457	--	--	--	--
L RTJ	114	121	133	159	191	216	260	324	362	406	470	--	--	--	--
D	152	178	191	229	254	279	343	406	483	533	597	--	--	--	--
V	200	200	225	250	300	300	500 *	700 *	700 *	800 *	1000 *	--	--	--	--
H	384	420	456	516	576	672	816	900	1032	1092	1488	--	--	--	--
H1	399	440	480	546	614	717	876	975	1122	1197	1608	--	--	--	--

FIG. N. 461A - GLOBE VALVES - ANGLE TYPE ASME CLASS 300

SIZE	2"	2½"	3"	4"	5"	6"	8"	10"	12"	14"	16"	--	--	--	--
L RF/BW	133	146	159	178	200	222	279	311	356	(419)	(432)	--	--	--	--
L RTJ	149	162	174	194	216	238	287	327	371	(427)	(440)	--	--	--	--
D	165	191	210	254	279	318	381	445	521	584	648	--	--	--	--
V	200	225	225	300	300	500*	600*	700*	700*	800*	1000*	--	--	--	--
H	468	480	492	528	684	816	960	1020	1212	1380	1656	--	--	--	--
H1	483	500	516	558	722	861	1020	1095	1302	1485	1776	--	--	--	--

FIG. N. 462A - GLOBE VALVES - ANGLE TYPE ASME CLASS 600

SIZE	2"	2½"	3"	4"	5"	6"	8"	10"	12"	14"	16"	--	--	--	--
L RF/BW	146	165	178	216	254	279	330	394	419	(444)	(496)	--	--	--	--
L RTJ	149	168	181	219	257	282	333	397	422	(496)	(497)	--	--	--	--
D	165	191	210	273	330	356	419	508	559	603	686	--	--	--	--
V	200	250	250	400*	500*	700*	1000*	1000*	1000*	1000*	1000*	--	--	--	--
H	420	618	654	720	823	936	1008	1482	1573	1716	2004	--	--	--	--
H1	435	638	678	750	861	981	1068	1557	1663	1821	2124	--	--	--	--

FIG. N. 463A - GLOBE VALVES - ANGLE TYPE ASME CLASS 900

SIZE	2"	2½"	3"	4"	5"	6"	8"	10"	12"
L RF/BW	184	210	191	229	279	305	368	419	483
L RTJ	187	213	194	232	282	308	371	422	486
D	216	244	241	292	349	381	470	546	610
V	400	400	500*	600*	700*	1000*	1000*	1000*	1000*
H	690	828	708	864	1044	1168	1368	1800	2016
H1	705	848	732	894	1082	1213	1428	1875	2106

FIG. N. 464A - GLOBE VALVES - ANGLE TYPE ASME CLASS 1500

SIZE	2"	2½"	3"	4"	5"	6"	8"	10"	12"
L RF/BW	216	254	305	406	483	559	711	864	991
L RTJ	219	257	308	409	486	565	721	873	1006
D	216	244	267	311	375	394	483	584	673
V	400*	400*	500*	700*	700*	900*	1000*	1000*	1000*
H	690	828	924	1008	1082	1168	1252	2004	2100
H1	705	848	948	1038	1120	1213	1312	2079	2190

* Gear operator recommended

features on request

- TOP FLANGE TO ISO 5210
- GEAR OPERATOR
- CHAIN WHEEL OPERATOR
- PNEUMATIC ACTUATOR
- HYDRAULIC ACTUATOR
- ELECTRIC ACTUATOR
- POSITION INDICATOR
- LIMIT SWITCHES
- LOCKING / INTERLOCK SYSTEM
- DISC WITH PTFE INSERT
- PARABOLIC DISC
- STOP CHECK DISC
- STEM PROTECTION
- STEM EXTENSION
- LANTERN RING
- EXTENDED STUFFING BOX
- LIVE LOADED PACKING
- DRAIN PLUG
- BY PASS
- BW ENDS
- DIN CONNECTIONS

All dimensions in mm (except where differently indicated)

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