



standard features

- **Description** BOLTED BONNET
OUTSIDE SCREW AND YOKE
RISING STEM
NON RISING HANDWHEEL
- **Design** API 600
BS 1414
ASME B16.34
ISO 10434
- **Face to face** ASME B16.10
- **Flanges** ASME B16.5 (2" ÷ 24")
ASME B16.47 (≥ 26")
BW TO ASME B16.25
- **Testing** API 598
EN 12266
- **Rating** ASME B16.34
- **Marking** MSS-SP 25
CE - PED
- **Certificates** EN 10204 – 3.1 / 3.2

PART NAME	W45x	L45x	M45x	C45x	B45x	E45x	D45x	F45x	H45x
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 Wedge seat surfaces	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 (3)	F6A (3)	F6A (3)	F6A (3)	F6A (3)	F304 (3)	F321 (3)	F316 (3)	F316L (3)
7 Gland	F6A (3)	F6A (3)	F6A (3)	F6A (3)	F6A (3)	F304 (3)	F321 (3)	F316 (3)	F316L (3)
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 Yoke nut	A105	A350 LF2	A105	A105	A105	F316	F316	F316	F316
11 Handwheel					Steel				
12 Handwheel nut					A105				
13 Bolts	B7	L7	B16	B16	B16	B8	B8	B8	B8
14 Nuts	2H	G7	G7	G7	G7	G8	G8	G8	G8
15 Eye bolts	B7	L7	B16	B16	B16	B8	B8	B8	B8
16 Nuts	2H	G7	G7	G7	G7	G8	G8	G8	G8
17 Eye bolt pin	B7	L7	B16	B16	B16	B8	B8	B8	B8
18 Gasket (5)	ANSI 150: S.S. reinforced graphite - ANSI 300-600-900-1500: S.S. Spiral wound reinf. graphite/RTJ - ANSI 2500: RTJ								
19 Packing					Graphite rings & wiper rings (6)				
20 Grease nipple					A105				

(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. 450 - GATE VALVES OVAL BODY ASME CLASS 150

SIZE	2"	2½"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	28"	30"	32"	34"	36"	40"	42"	48"
L RF	178	191	203	229	254	267	292	330	356	381	406	432	457	508	610	610	660	711	711	762	787	864
L BW	216	241	282	305	381	403	419	457	502	571	610	660	711	813	914	914	965	1016	1016	1168	1397	1270
D	152	178	191	229	254	279	343	406	483	533	597	635	699	813	927	984	1060	1111	1168	1289	1346	1511
V	200	200	225	250	250	300	400	500	500	600	600	700	700	800	G.O.	G.O.	G.O.	G.O.	G.O.	G.O.	G.O.	G.O.
H	350	420	440	480	560	600	775	1050	1240	1300	1500	1650	1800	2200	2600	2600	2600	3000	3000	3200	3200	3500
H1	400	480	510	580	695	750	980	1300	1540	1650	1900	2100	2300	2800	3350	3400	3450	3900	3950	4200	4250	4500

FIG. N. 451 - GATE VALVES ASME CLASS 300

SIZE	2"	2½"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	28"	30"	32"	34"	36"	40"	42"	48"
L RF/BW	216	241	282	305	381	403	419	457	502	762	838	914	991	1143	1346	1397	1524	1626	1727	1930	1981	2235
L RTJ	232	257	298	321	397	419	435	473	518	778	854	930	1010	1165	1371	1422	1552	1654	1755	--	--	--
D	165	191	210	254	279	318	381	445	521	584	648	711	775	914	1035	1092	1149	1207	1270	1238	1289	1467
V	200	200	225	250	300	400	500	500	600	600	700	700	800	900	G.O.	G.O.	G.O.	G.O.	G.O.	G.O.	G.O.	G.O.
H	400	430	500	530	620	730	910	1110	1240	1400	1580	1700	1900	2150	2530	3000	3000	3360	3360	3890	3890	4330
H1	450	490	580	630	745	880	1110	1360	1540	1750	1980	2150	2400	2750	3350	3850	3900	4300	3950	4950	5110	5280

FIG. N. 452 - GATE VALVES ASME CLASS 600

SIZE	2"	2½"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	28"	30"	32"	34"	36"	40"	42"	48"
L RF/BW	292	330	356	432	508	559	660	787	838	889	991	1092	1194	1397	1549	1651	1778	1930	2082	2286	--	--
L RTJ	295	333	359	435	511	562	663	791	841	892	994	1095	1200	1407	1562	1664	1794	1946	2099	--	--	--
D	165	191	210	273	330	356	420	508	559	603	686	743	813	940	1073	1130	1194	1245	1314	1321	--	--
V	200	250	250	400	400	500	600	700	700	800	900	1000	1600	G.O.	G.O.	G.O.	G.O.	G.O.	G.O.	G.O.	--	--
H	450	500	540	670	686	810	970	1155	1330	1480	1680	1826	1930	2160	2390	2880	2950	3030	3090	3620	--	--
H1	500	570	620	770	810	960	1170	1410	1630	1830	2100	2280	2450	2800	3137	3680	3803	3937	4050	4687	--	--

FIG. N. 453 - GATE VALVES ASME CLASS 900

SIZE	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	28"
L RF/BW	368	381	457	610	737	838	965	1029	1130	1219	1321	1549	--
L RTJ	371	384	460	613	740	841	968	1038	1140	1232	1334	1568	--
D	216	241	292	381	470	546	610	641	705	787	857	1041	--
V	250	300	400	600	650	700	900	1000	G.O.	G.O.	G.O.	G.O.	--
H	450	600	670	890	1114	1255	1439	1585	1639	1835	1970	2230	--
H1	500	680	770	1050	1320	1520	1750	1950	2050	2300	2500	2850	--

FIG. N. 454 - GATE VALVES ASME CLASS 1500

SIZE	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	28"
L RF/BW	368	470	546	705	832	991	1130	1257	1384	1537	1664	1943	--
L RTJ	371	473	549	711	842	1000	1146	1276	1407	1559	1686	1972	--
D	216	267	311	394	483	584	673	749	826	914	984	1168	--
V	250	400	500	600	700	900	1600	1600	G.O.	G.O.	G.O.	G.O.	--
H	450	620	760	930	1148	1336	1454	1645	1815	1835	1970	2230	--
H1	500	700	870	1090	1360	1520	1750	1950	2050	2300	2500	2850	--

FIG. N. 455 - GATE VALVES ASME CLASS 2500

SIZE	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	28"
L RF/BW	451	578	673	914	1022	1270	1422	--	--	--	--	--	--
L RTJ	454	584	683	927	1038	1292	1445	--	--	--	--	--	--
D	235	305	356	483	552	673	762	--	--	--	--	--	--
V	250	400	500	600	700	G.O.	G.O.	--	--	--	--	--	--
H	450	620	760	930	1148	1255	1439	--	--	--	--	--	--
H1	500	700	870	1090	1360	1520	1750	--	--	--	--	--	--

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
- PTFE SOFT SEATS
- 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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