



Globe valve are closing-down valves in which the closure member is moved squarely on and off the seat. In this way the opening of the port is directly proportional to the travel of the disc. This proportional relationship is ideally suited for duties requiring regulation of flow rate. To have a further precision in regulation the disc element can be available in the parabolic, needle, vee-port types. Furthermore the short travel of the disc between the open and closed position makes these valves ideally suited for on-off duties when they must be opened and closed frequently. Globe valves are uni-directional valves and are installed so that fluid pressure is under the disc. They are supplied in various models to cover the different services. Among these valves the Eco-L-Valve® combines the characteristics of total safety against leakages to the easy substitution of the most delicate components such as the bellows. The main characteristics of each type are described on pages 24 to 31.

Figure # is identified in each table as:

STANDARD PORT	830	-
FULL PORT	630	1/4
		mm

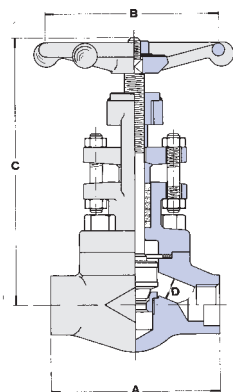
CLASS	CONNECTION	PORT	STANDARD	SCREW & YOKE	ENDS	SERVICE	PAGE	OMB FIG.
800	Bolted bonnet	Regular	ISO15761	Outside	Threaded and Socket Weld Ends	-	25	830
800	Bolted bonnet	Full	ISO15761	Outside	Threaded and Socket Weld Ends	-	25	630
800	Welded Bonnet	Regular	ISO15761	Outside	Threaded and Socket Weld Ends	-	25	L830
800	Welded Bonnet	Full	ISO15761	Outside	Threaded and Socket Weld Ends	-	25	L630
800	Welded Bonnet	Regular	ISO15761	inside	Threaded and Socket Weld Ends	-	25	L820
800	Welded Bonnet	Full	ISO15761	inside	Threaded and Socket Weld Ends	-	25	L620
1500	Bolted bonnet	Regular	ISO15761	Outside	Threaded and Socket Weld Ends	-	25	R930
1500	Bolted bonnet	Full	ISO15761	Outside	Threaded and Socket Weld Ends	-	25	930
1500	Welded Bonnet	Regular	ISO15761	Outside	Threaded and Socket Weld Ends	-	26	LR930
1500	Welded Bonnet	Full	ISO15761	Outside	Threaded and Socket Weld Ends	-	26	L930
1500	Ring Joint BB	Full	ISO15761	Outside	Threaded and Socket Weld Ends	-	26	RJ930
2500	Ring Joint BB	Full	ANSI B16.34	Outside	Threaded and Socket Weld Ends	-	26	RJ2530
2500	Welded Bonnet	Full	ANSI B16.34	Outside	Threaded and Socket Weld Ends	-	26	L2530
4500	Welded Bonnet	Full	ANSI B16.34	Outside	Threaded and Socket Weld Ends	-	27	RJ4530
4500	Welded Bonnet	Full	ANSI B16.34	Outside	Threaded and Socket Weld Ends	-	27	L4530
4500	Welded Bonnet	Full	ANSI B16.34	Outside	Threaded and Socket Weld Ends	-	27	RJ-4530-BW
4500	Welded Bonnet	Full	ANSI B16.34	Outside	Threaded and Socket Weld Ends	-	27	L4530-BW
800	Welded Bonnet	Full	ISO15761	Outside	Threaded and Socket Weld Ends	-	28	Y630
1500	Welded Bonnet	Full	ISO15761	Outside	Threaded and Socket Weld Ends	-	28	Y930
2500	Welded Bonnet	Full	ANSI B16.34	Outside	Threaded and Socket Weld Ends	-	28	Y2530
4500	Welded Bonnet	Full	ANSI B16.34	Outside	Threaded and Socket Weld Ends	-	28	Y4530
150	Welded Bonnet	Full	ISO15761	Outside	Flanged	-	29	1-Y630
300	Welded Bonnet	Full	ISO15761	Outside	Flanged	-	29	3-Y630
600	Welded Bonnet	Full	ISO15761	Outside	Flanged	-	29	6-Y630
150	Bolted bonnet	Regular	ISO15761	Outside	Flanged	-	29	F1-830
300	Bolted bonnet	Regular	ISO15761	Outside	Flanged	-	29	F3-830
600	Bolted bonnet	Regular	ISO15761	Outside	Flanged	-	29	F6-830
150	Bolted bonnet	Full	ISO15761	Outside	Flanged	-	29	F1-630
300	Bolted bonnet	Full	ISO15761	Outside	Flanged	-	29	F3-RJ-630
600	Bolted bonnet	Full	ISO15761	Outside	Flanged	-	29	F6-RJ-630
1500	Ring Joint BB	Full	ISO15761	Outside	Flanged	-	29	F9-RJ930
2500	Ring Joint BB	Full	ISO15761	Outside	Flanged	-	29	F25-RJ2530
800	Bolted bonnet	Regular	ISO15761	Outside	Threaded and Socket Weld Ends	Sour Service	30	SS830
800	Welded Bonnet	Regular	ISO15761	Outside	Threaded and Socket Weld Ends	Alkilation	30	AS-L830
800	Welded Bonnet	Regular	ISO15761	Outside	Threaded and Socket Weld Ends	Vacuum	30	VS-L830
800	Bolted bonnet	Regular	ISO15761	Outside	Threaded and Socket Weld Ends	Chlorine	30	CS-830

Note Bellows Seal Valves please see C-BS Bellows Seal Valve Catalog
 Cryogenic Service please see C-CR2 Cryogenic Service Valve Catalog
 Pressure Seal Valves please see C-PS Pressure Seal Valve Catalog
 Thru Conduit Valves please see C-TC Pressure Thru Conduit Valves Catalog
 Y Pattern Valves please see C-HTHP High Pressure - High Temperature Valves

JIS Valve Standards please see JIS Section on this catalog
 DIN Valve Standards please see DIN Section on this catalog

Eco-L-Valves
 OMB introduced an innovative solution to the Fugitive Emission issue: Eco-L-Valves
 Special patented Short Pattern Bellows Seal valves, with dimension equal to standard non-bellows valves and able to meet the severe service conditions of standard bellows seal with a lower dimensional height and reduced cost impact.

ECO-L-VALVES please see C-BS Bellows Seal Valve Catalog

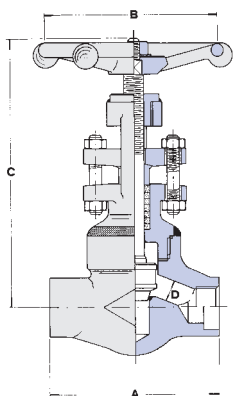


RATINGS: Carbon Steel - 1975 p.s.i. @ 100°F

CLASS 800

BOLTED BONNET - STANDART PORT TO API602/ISO 15761 - FULL PORT TO BS 5352
Outside Screw & Yoke - Threaded and Socket Weld Ends

STANDARD PORT	830	-		1/2		3/4		1		1.1/4		1.1/2		2		-	
FULL PORT	630	1/4		3/8		1/2		3/4		1		1.1/4		1.1/2		2	
		mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
End to End	A	80	3.14	80	3.14	90	3.54	110	4.33	127	5.00	155	6.10	170	6.69	210	8.26
Handwheel	B	80	3.14	80	3.14	80	3.14	110	4.33	130	5.11	130	5.11	180	7.08	180	7.08
Center to Top Open	C	148	5.82	148	5.82	165	6.49	180	7.08	213	8.38	248	9.76	257	10.1	370	14.5
Dia. of Port	D	7	0.28	9	0.35	13	0.51	17.5	0.69	23	0.89	29.5	1.16	35	1.37	45.5	1.79
Approx. Weight	Kg / Lb	1.7	3.7	1.7	3.7	2.3	5.0	3.6	7.9	5.5	12.1	7.5	16.5	11.6	25.5	22.0	48.5

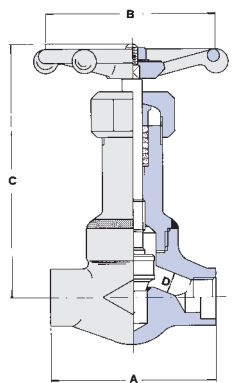


RATINGS: Carbon Steel - 1975 p.s.i. @ 100°F

CLASS 800

WELDED BONNET - STANDART PORT TO API602/ISO 15761 - FULL PORT TO BS 5352
Outside Screw & Yoke - Threaded and Socket Weld Ends

STANDARD PORT	L830	-		1/2		3/4		1		1.1/4		1.1/2		2		-	
FULL PORT	L630	1/4		3/8		1/2		3/4		1		1.1/4		1.1/2		2	
		mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
End to End	A	80	3.14	80	3.14	90	3.54	110	4.33	127	5.00	155	6.10	170	6.69	210	8.26
Handwheel	B	80	3.14	80	3.14	80	3.14	110	4.33	130	5.11	130	5.11	180	7.08	180	7.08
Center to Top Open	C	148	5.82	148	5.82	165	6.49	180	7.08	213	8.38	248	9.76	257	10.1	370	14.5
Dia. of Port	D	7	0.28	9	0.35	13	0.51	17.5	0.69	23	0.89	29.5	1.16	35	1.37	45.5	1.79
Approx. Weight	Kg / Lb	1.7	3.7	1.7	3.7	2.3	5.0	3.6	7.9	5.5	12.1	7.3	16	10.5	23.1	17.5	38.5



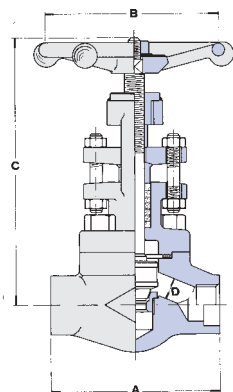
RATINGS: Carbon Steel - 1975 p.s.i. @ 100°F

CLASS 800

WELDED BONNET - STANDART PORT TO API602/ISO 15761 - FULL PORT TO BS 5352
Inside Screw - Threaded and Socket Weld Ends

STANDARD PORT	L820	-		1/2		3/4		1		1.1/4		1.1/2		2		-	
FULL PORT	L620	1/4		3/8		1/2		3/4		1		1.1/4		1.1/2		2	
		mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
End to End	A	80	3.14	80	3.14	90	3.54	110	4.33	127	5.00	155	6.10	170	6.69	210	8.26
Handwheel	B	80	3.14	80	3.14	80	3.14	110	4.33	130	5.11	130	5.11	130	5.11	180	7.08
Center to Top Open	C	148	5.82	148	5.82	175	6.88	212	8.34	235	9.25	287	11.3	327	12.9	380	15.0
Dia. of Port	D	7	0.28	9	0.35	13	0.51	17.5	0.69	23	0.89	29.5	1.16	35	1.37	45.5	1.79
Approx. Weight	Kg / Lb	1.5	3.3	1.5	3.3	2.0	4.4	3.7	8.1	5.5	12.1	7.3	16	10.5	23.1	17.5	38.5

Bolted Bonnet Type on request

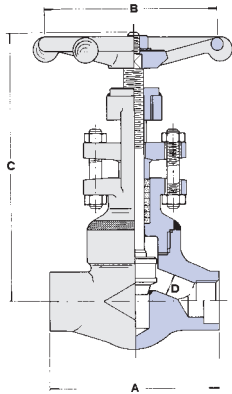


RATINGS: Carbon Steel - 3705 p.s.i. @ 100°F

CLASS 1500

BOLTED BONNET - STANDART PORT TO API602/ISO 15761 - FULL PORT TO BS 5352
Outside Screw & Yoke - Threaded and Socket Weld Ends

STANDARD PORT	R930	-		1/2		3/4		1		1.1/4		1.1/2		2		-	
FULL PORT	930	1/4		3/8		1/2		3/4		1		1.1/4		1.1/2		2	
		mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
End to End	A	90	3.54	90	3.54	110	4.33	127	5.00	155	6.10	170	6.69	210	8.26	210	8.26
Handwheel	B	80	3.14	80	3.14	110	4.33	130	5.11	130	5.11	180	7.08	180	7.08	180	7.08
Center to Top Open	C	160	6.29	160	6.29	175	6.88	210	8.26	244	9.60	250	9.84	370	14.5	375	14.7
Dia. of Port	D	7	0.28	9	0.35	13	0.51	17	0.67	21	0.83	28	1.10	33	1.30	37.5	1.48
Approx. Weight	Kg / Lb	2.2	4.8	2.2	4.8	3.9	8.5	6	13.2	8	17.6	12	26.4	23.5	51.7	23	50.6

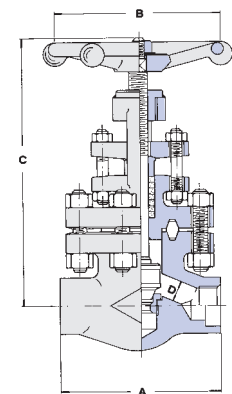


RATINGS: Carbon Steel - 3705 p.s.i. @ 100°F

CLASS 1500

WELDED BONNET - STANDART PORT TO API602/ISO 15761 - FULL PORT TO BS 5352
Outside Screw & Yoke - Threaded and Socket Weld Ends

STANDARD PORT	LR930	-		1/2		3/4		1		1.1/4		1.1/2		2		-	
FULL PORT	L930	1/4		3/8		1/2		3/4		1		1.1/4		1.1/2		2	
		mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
End to End	A	90	3.54	90	3.54	110	4.33	127	5.00	155	6.10	170	6.69	210	8.26	210	8.26
Handwheel	B	80	3.14	80	3.14	110	4.33	130	5.11	130	5.11	180	7.08	180	7.08	180	7.08
Center to Top Open	C	160	6.29	160	6.29	175	6.88	210	8.26	244	9.60	250	9.84	370	14.5	375	14.7
Dia. of Port	D	7	0.28	9	0.35	13	0.51	17	0.67	21	0.83	28	1.10	33	1.30	37.5	1.48
Approx. Weight	Kg / Lb	2.2	4.8	2.2	4.8	3.9	8.5	6	13.2	8	17.6	12	26.4	19	41.8	18.5	40.7



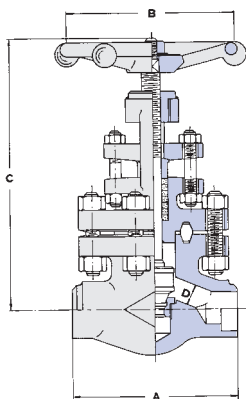
RATINGS: Carbon Steel - 3705 p.s.i. @ 100°F

CLASS 1500

ROUND BOLTED BONNET - FULL PORT BS 5352
Outside Screw & Yoke - Threaded and Socket Weld Ends

FULL PORT	RJ930	1/4		3/8		1/2		3/4		1		1.1/4		1.1/2		2	
		mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
End to End	A	-	-	-	-	110	4.33	150	5.90	150	5.90	-	-	210	8.26	235	9.25
Handwheel	B	-	-	-	-	110	4.33	130	5.11	130	5.11	-	-	180	7.08	250	9.84
Center to Top Open	C	-	-	-	-	235	9.25	265	10.4	310	12.2	-	-	370	14.5	435	17.1
Dia. of Port	D	-	-	-	-	13	0.51	17	0.67	21	0.83	-	-	33	1.30	37.5	1.48
Approx. Weight	Kg / Lb	-	-	-	-	5.1	11.2	11	24.2	12.1	26.6	-	-	22	48.4	37	81.5

Ring-Joint gasket according to ASME B16.20 - API 6A. - Spiral wound gasket joint available on request.



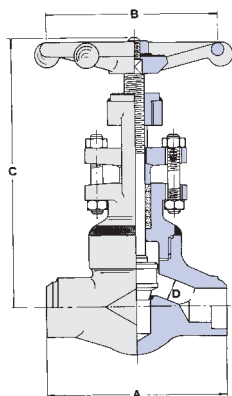
RATINGS: Carbon Steel - 6170 p.s.i. @ 100°F

CLASS 2500

ROUND BOLTED BONNET RJ - FULL PORT - ASME B16.34
Outside Screw & Yoke - Socket and Butt Weld Ends

FULL PORT	RJ2530	1/4		3/8		1/2		3/4		1		1.1/4		1.1/2		2	
		mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
End to End	A	-	-	-	-	150	5.90	150	5.90	210	8.26	-	-	235	9.25	235	9.25
Handwheel	B	-	-	-	-	130	5.11	130	5.11	250	9.84	-	-	300	11.8	300	11.8
Center to Top Open	C	-	-	-	-	265	10.4	265	10.4	360	14.1	-	-	430	16.9	435	17.1
Dia. of Port	D	-	-	-	-	13	0.51	17	0.67	21	0.83	-	-	33	1.30	35	1.37
Approx. Weight	Kg / Lb	-	-	-	-	11	24.2	11.3	24.8	22.4	49.3	-	-	38	83.7	38	83.7

Ring-Joint gasket according to ASME B16.20 - API 6A.

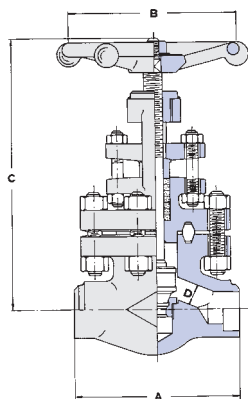


RATINGS: Carbon Steel - 6170 p.s.i. @ 100°F

CLASS 2500

WELDED BONNET - FULL PORT - ASME B16.34
Outside Screw & Yoke - Socket and Butt Weld Ends

FULL PORT	L2530	1/4		3/8		1/2		3/4		1		1.1/4		1.1/2		2	
		mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
End to End	A	-	-	-	-	127	5.00	155	6.10	170	6.69	-	-	235	9.25	235	9.25
Handwheel	B	-	-	-	-	130	5.11	130	5.11	130	5.11	-	-	300	11.8	300	11.8
Center to Top Open	C	-	-	-	-	237	9.33	242	9.52	256	10.1	-	-	430	16.9	435	17.1
Dia. of Port	D	-	-	-	-	13	0.51	17	0.67	21	0.83	-	-	33	1.30	35	1.37
Approx. Weight	Kg / Lb	-	-	-	-	6.5	14.3	8.5	18.7	12.5	27.5	-	-	26	57.2	25.5	56.1



RATINGS: Carbon Steel - 11110 p.s.i. @ 100°F

CLASS 4500

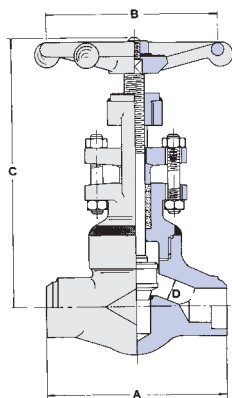
ROUND BOLTED BONNET RJ - FULL PORT - ASME B16.34

Outside Screw & Yoke - Socket and Butt Weld Ends

FULL PORT	RJ4530	1/4		3/8		1/2		3/4		1		1.1/4		1.1/2		2	
		mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
End to End	A	-	-	-	-	210	8.26	210	8.26	235	9.25	-	-	235	9.25	-	-
Handwheel	B	-	-	-	-	250	9.84	250	9.84	300	11.8	-	-	300	11.8	-	-
Center to Top Open	C	-	-	-	-	345	13.5	350	13.7	420	16.5	-	-	430	16.9	-	-
Dia. of Port	D	-	-	-	-	9	0.35	11	0.43	14	0.55	-	-	28	1.10	-	-
Approx. Weight	Kg / Lb	-	-	-	-	23	50.6	23	50.6	38.5	84.8	-	-	38.5	84.8	-	-

2" on request

Ring-Joint gasket according to ASME B16.20 - API 6A.



RATINGS: Carbon Steel - 11110 p.s.i. @ 100°F

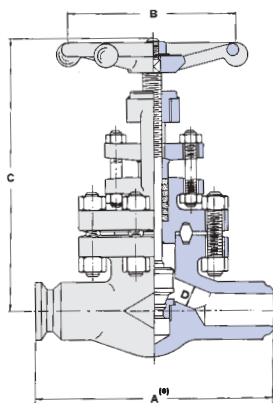
CLASS 4500

WELDED BONNET - FULL PORT - ASME B16.34

Outside Screw & Yoke - Socket and Butt Weld Ends

FULL PORT	L4530	1/4		3/8		1/2		3/4		1		1.1/4		1.1/2		2	
		mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
End to End	A	-	-	-	-	155	6.10	170	6.69	210	8.26	-	-	235	9.25	-	-
Handwheel	B	-	-	-	-	180	7.08	250	9.84	250	9.84	-	-	300	11.8	-	-
Center to Top Open	C	-	-	-	-	240	9.44	250	11.2	350	13.7	-	-	410	16.1	-	-
Dia. of Port	D	-	-	-	-	11	0.43	11	0.43	14	0.55	-	-	28	1.10	-	-
Approx. Weight	Kg / Lb	-	-	-	-	9	19.8	13	28.6	24.5	53.9	-	-	28	61.7	-	-

2" on request



RATINGS: Carbon Steel - 11110 p.s.i. @ 100°F

CLASS 4500

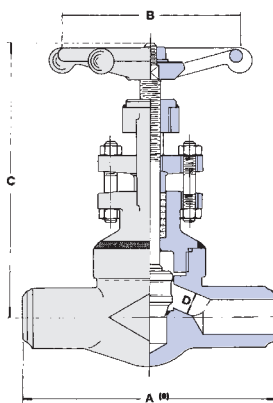
ROUND BOLTED BONNET RJ - FULL PORT - ASME B16.34

Outside Screw & Yoke - Clamp and Butt Weld Ends

FULL PORT	RJ4530-BW	1/4		3/8		1/2		3/4		1		1.1/4		1.1/2		2	
		mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
End to End	A	-	-	-	-	260	10.2	300	11.8	370	14.5	-	-	370	14.5	-	-
Handwheel	B	-	-	-	-	180	7.08	250	9.84	300	11.8	-	-	300	11.8	-	-
Center to Top Open	C	-	-	-	-	280	11.0	360	14.1	456	17.9	-	-	466	18.3	-	-
Dia. of Port	D	-	-	-	-	11	0.43	11	0.43	14	0.55	-	-	28	1.10	-	-
Approx. Weight	Kg / Lb	-	-	-	-	18	39.6	34	74.9	50	110.1	-	-	50	110.1	-	-

2" on request

(*) End to end dimension according to ANSI B16.10.



RATINGS: Carbon Steel - 11110 p.s.i. @ 100°F

CLASS 4500

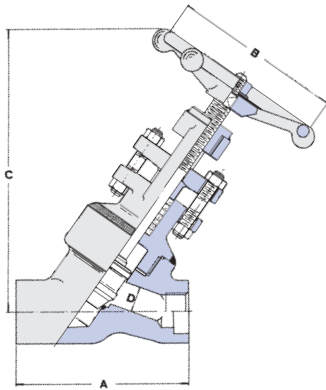
WELDED BONNET - FULL PORT - ASME B16.34

Outside Screw & Yoke - Clamp and Butt Weld Ends

FULL PORT	L4530-BW	1/4		3/8		1/2		3/4		1		1.1/4		1.1/2		2	
		mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
End to End	A	-	-	-	-	260	10.2	300	11.8	370	14.5	-	-	370	14.5	-	-
Handwheel	B	-	-	-	-	180	7.08	250	9.84	300	11.8	-	-	300	11.8	-	-
Center to Top Open	C	-	-	-	-	280	11.0	360	14.1	456	17.9	-	-	466	18.3	-	-
Dia. of Port	D	-	-	-	-	11	0.43	11	0.43	14	0.55	-	-	28	1.10	-	-
Approx. Weight	Kg / Lb	-	-	-	-	17	37.4	32	70.5	46	101.3	-	-	46	101.3	-	-

2" on request

(*) End to end dimension according to ANSI B16.10.



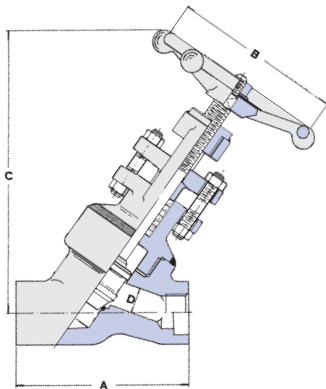
RATINGS: Carbon Steel - 1975 p.s.i. @ 100°F

CLASS 800

WELDED BONNET - FULL PORT BS 5352

Outside Screw & Yoke - Threaded and Socket Weld Ends

FULL PORT	Y630	1/4		3/8		1/2		3/4		1		1.1/4		1.1/2		2	
		mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
End to End	A	110	4.33	100	4.33	110	4.33	110	4.33	142	5.59	142	5.59	170	6.69	180	7.08
Handwheel	B	80	3.14	80	3.14	80	3.14	110	4.33	130	5.11	130	5.11	180	7.08	180	7.08
Center to Top Open	C	155	6.10	155	6.10	155	6.10	175	6.88	220	8.66	240	9.44	280	11.02	350	13.78
Dia. of Port	D	7	0.27	9	0.35	13	0.51	17.5	0.68	23	0.88	29.5	1.16	35	1.37	45.5	1.79
Approx. Weight	Kg / Lb	1.5	3.3	1.5	3.3	1.5	3.3	2	4.4	4.2	9.2	5	11	9	19.8	13	28.6



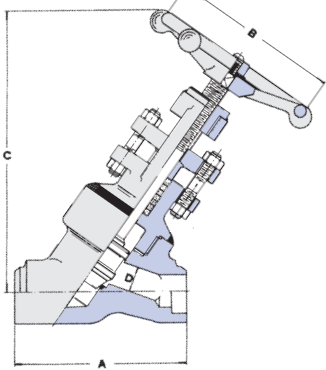
RATINGS: Carbon Steel
Class 1500 - 3705 p.s.i. @ 100°F
*Class 1700 - 4198 p.s.i. @ 100°F

CLASS 1500-1700

WELDED BONNET - FULL PORT BS 5352

Outside Screw & Yoke - Threaded and Socket Weld Ends

FULL PORT	Y930	1/4		3/8		1/2		3/4		1		1.1/4		1.1/2		2	
		mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
End to End	A	110	4.33	110	4.33	110	4.33	142	5.59	142	5.59	170	6.69	170	6.69	180	7.08
Handwheel	B	110	4.33	110	4.33	110	4.33	130	5.11	130	5.11	180	7.08	180	7.08	180	7.08
Center to Top Open	C	180	7.08	180	7.08	170	7.08	240	9.44	250	9.84	280	11.02	380	14.96	420	16.53
Dia. of Port	D	7	0.27	9	0.35	11	0.43	15	0.59	19.5	0.76	27.5	1.08	31.5	1.24	39	1.53
Approx. Weight	Kg / Lb	2	4.4	2	4.4	2	4.4	4.2	9.2	5.2	11.4	9	20.9	10.5	23.1	13.5	29.8



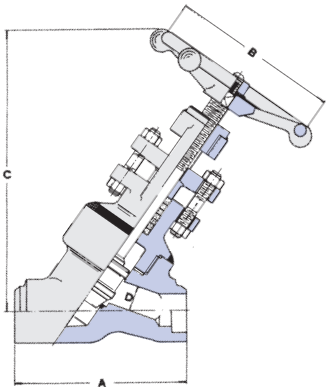
RATINGS: Carbon Steel
Class 2500 - 6170 p.s.i. @ 100°F
*Class 2700 - 6664 p.s.i. @ 100°F

CLASS 2500-2700

WELDED BONNET - FULL PORT - ASME B16.34

Outside Screw & Yoke - Socket and Butt Weld Ends

FULL PORT	Y2530	1/4		3/8		1/2		3/4		1		1.1/4		1.1/2		2	
		mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
End to End	A	142	5.59	142	5.59	142	5.59	142	5.59	170	6.69	170	6.69	180	7.08	225	8.86
Handwheel	B	130	5.11	130	5.11	130	5.11	130	5.11	180	7.08	180	7.08	180	7.08	300	11.8
Center to Top Open	C	280	11.02	280	11.02	280	11.02	280	11.02	360	14.1	370	14.56	420	16.53	540	21.2
Dia. of Port	D	7	0.27	9	0.35	11	0.43	15	0.59	19.5	0.76	27.5	1.08	31.5	1.24	39	1.53
Approx. Weight	Kg / Lb	4.5	9.9	4.5	9.9	4.5	9.9	7.1	15.6	7.6	16.7	9.8	21.5	17.1	37.8	36	79.5



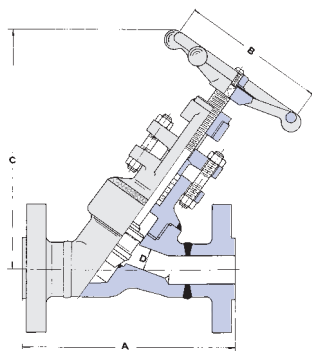
RATINGS: Carbon Steel - 11110 p.s.i. @ 100°F

CLASS 4500

WELDED BONNET - FULL PORT - ASME B16.34

Outside Screw & Yoke - Socket and Butt Weld Ends

FULL PORT	Y4530	1/4		3/8		1/2		3/4		1		1.1/4		1.1/2		2	
		mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
End to End	A	170	6.69	170	6.69	170	6.69	170	6.69	170	6.69	-	-	225	8.86	225	8.86
Handwheel	B	180	7.08	180	7.08	180	7.08	180	7.08	180	7.08	-	-	400	15.75	400	15.75
Center to Top Open	C	350	13.77	350	13.77	350	13.77	350	13.77	380	14.96	-	-	453	17.83	453	17.83
Dia. of Port	D	7	0.27	9	0.35	11	0.43	11	0.43	15	0.59	-	-	26	1.02	28	1.10
Approx. Weight	Kg / Lb	9.6	21.1	9.6	21.1	9.6	21.1	9.4	20.7	10.5	23.1	-	-	34	75.0	36	79.5



RATINGS: Carbon Steel
Class 150 - 285 p.s.i. @ 100°F
Class 300 - 740 p.s.i. @ 100°F
Class 600 - 1480 p.s.i. @ 100°F

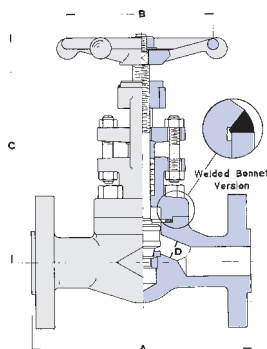
CLASS 150-300-600

WELDED BONNET - FULL PORT - ISO 15761 BS 5352

Outside Screw & Yoke - Flanged Ends according to ASME B16.5

FULL PORT		1/4		3/8		1/2		3/4		1		1.1/4		1.1/2		2	
		mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
Class 150	1-Y630	A	-	-	-	108	4.25	117	4.64	127	5.00	-	-	165	6.49	203	7.99
Class 300	3-Y630	A	-	-	-	152	6.02	178	7.00	203	7.99	-	-	229	9.01	267	10.5
Class 600	6-Y630	A	-	-	-	165	6.49	190	7.51	216	8.50	-	-	241	9.48	292	11.5
Handwheel	B	-	-	-	-	80	3.14	80	3.14	130	5.11	-	-	180	7.08	180	7.08
Center to Top Open	C	-	-	-	-	155	6.10	175	6.88	220	8.66	-	-	280	11.0	350	13.78
Dia. of Port	D	-	-	-	-	13	0.51	17.5	0.68	22.5	0.88	-	-	35	1.37	45.5	1.79
Approx. Weight	Class 150	Kg / Lb	-	-	-	3.2	7.04	4	8.8	7.2	15.8	-	-	14.9	32.8	19	41.8
	Class 300	Kg / Lb	-	-	-	4.2	9.25	5.7	12.5	10.7	23.5	-	-	16.4	36.1	21	46.2
	Class 600	Kg / Lb	-	-	-	4.7	10.3	6	13.2	11.7	25.7	-	-	17.4	38.3	23	50.6

End to End dimensions according to ASME B16.10



RATINGS: Carbon Steel
Class 150 - 285 p.s.i. @ 100°F
Class 300 - 740 p.s.i. @ 100°F
Class 600 - 1480 p.s.i. @ 100°F

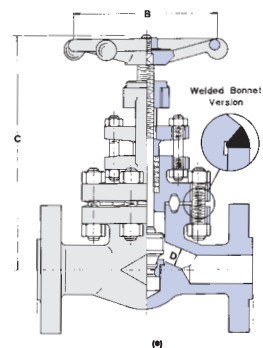
CLASS 150-300-600

BOLTED BONNET - STANDARD PORT TO API602/ISO 15761

Outside Screw & Yoke - Integral Flanged Ends according to ASME B16.5

STANDARD PORT		1/4		3/8		1/2		3/4		1		1.1/4		1.1/2		2	
		mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
Class 150	F1-830	A	-	-	-	108	4.25	117	4.64	127	5.00	-	-	165	6.49	203	7.99
Class 300	F3-830	A	-	-	-	152	6.02	178	7.00	203	7.99	-	-	229	9.01	267	10.5
Class 600	F6-830	A	-	-	-	165	6.49	190	7.51	216	8.50	-	-	241	9.48	292	11.5
Handwheel	B	-	-	-	-	80	3.14	80	3.14	110	4.33	-	-	130	5.11	180	7.08
Center to Top Open	Class 300-600	C	-	-	-	148	5.82	165	6.49	180	7.08	-	-	248	9.76	257	10.1
	Class 150	C	-	-	-	170	6.69	197	7.75	205	8.07	-	-	248	9.76	257	10.1
Dia. of Port	D	-	-	-	-	9	0.35	13	0.51	17.5	0.69	-	-	29.5	1.16	35	1.37
Approx. Weight	Class 150	Kg / Lb	-	-	-	3.4	7.5	4	8.8	5.7	12.5	-	-	10	22.0	17.0	37.4
	Class 300	Kg / Lb	-	-	-	4	8.8	5	11.0	7.3	16.1	-	-	14	30.8	20.5	45.1
	Class 600	Kg / Lb	-	-	-	4.5	9.9	5.5	12.1	7.6	16.7	-	-	15	33.0	21	46.2

End to End dimensions according to ASME B16.10



RATINGS: Carbon Steel
Class 150 - 285 p.s.i. @ 100°F
Class 300 - 740 p.s.i. @ 100°F
Class 600 - 1480 p.s.i. @ 100°F

CLASS 150-300-600

BOLTED BONNET - FULL PORT - BS 5352

Outside Screw & Yoke - Integral Flanged Ends according to ASME B16.5

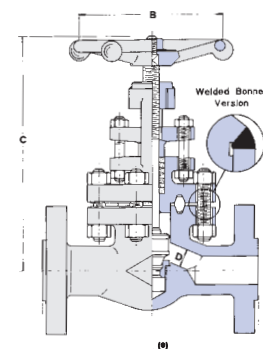
FULL PORT		1/4		3/8		1/2		3/4		1		1.1/4		1.1/2		2	
		mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
Class 150	F1-630	A	-	-	-	108	4.25	117	4.64	127	5.00	-	-	165	6.49	203	7.99
Class 300	F3-RJ630	A	-	-	-	152	6.02	178	7.00	203	7.99	-	-	229	9.01	267	10.5
Class 600	F6-RJ630	A	-	-	-	165	6.49	190	7.51	216	8.50	-	-	241	9.48	292	11.5
Handwheel	B	-	-	-	-	110	4.33	110	4.33	130	5.11	-	-	250	9.84	250	9.84
Center to Top Open	Class 300-600	C	-	-	-	245	9.64	273	10.7	295	11.6	-	-	410	16.1	440	17.3
	Class 150	C	-	-	-	170	6.69	200	7.87	250	9.84	-	-	285	11.2	320	12.6
Dia. of Port	D	-	-	-	-	13	0.51	17.5	0.69	22.5	0.89	-	-	35	1.37	45.5	1.79
Approx. Weight	Class 150	Kg / Lb	-	-	-	4.2	9.2	5.5	12.1	7.5	16.5	-	-	13.5	29.7	21	46.2
	Class 300	Kg / Lb	-	-	-	5.8	12.8	10.8	23.8	12.8	28.2	-	-	26.5	58.4	29	63.9
	Class 600	Kg / Lb	-	-	-	6	13.2	10	22.0	14.5	32.0	-	-	27	59.4	30	66.0

End to End dimensions according to ASME B16.10

Spiral wound gasket joint for #150

Ring-Joint gasket according to ANSI B16.10 - API 6A

(*) End to end dimension BW on request Fig. N. BW 1-630 / BW 3-630 / BW 6-630



RATINGS: Carbon Steel
Class 1500 - 3705 p.s.i. @ 100°F
Class 2500 - 6170 p.s.i. @ 100°F

CLASS 1500-2500

ROUND BOLTED BONNET RJ - FULL PORT - BS 5352 - ASME B16.34

Outside Screw & Yoke - Integral Flanged Ends according to ANSI B16.5

FULL PORT		1/4		3/8		1/2		3/4		1		1.1/4		1.1/2		2	
		mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
Class 1500	F9-RJ930	A	-	-	-	216	8.50	229	9.01	254	10.0	-	-	305	12.0	368	14.5
Class 2500	F25-RJ2530	A	-	-	-	264	10.4	273	10.7	308	12.1	-	-	384	15.1	451	17.7
Handwheel	Class 1500	B	-	-	-	110	4.33	130	5.11	130	5.11	-	-	250	9.84	300	11.8
	Class 2500	B	-	-	-	130	5.11	130	5.11	250	9.84	-	-	300	11.8	300	11.8
Center to Top Open	Class 1500	C	-	-	-	260	10.2	300	11.8	300	11.8	-	-	390	15.3	420	16.5
	Class 2500	C	-	-	-	332	13.0	332	13.0	370	14.5	-	-	435	17.1	570	22.4
Dia. of Port	Class 1500	D	-	-	-	13	0.51	17	0.67	21	0.83	-	-	33	1.30	37.5	1.48
	Class 2500	D	-	-	-	11	0.43	17	0.67	21	0.83	-	-	33	1.30	37.5	1.48
Approx. Weight	Class 1500	Kg / Lb	-	-	-	11	24.2	16	35.2	19.5	42.9	-	-	34	74.8	61	134.3
	Class 2500	Kg / Lb	-	-	-	19.5	42.9	21.5	47.3	42	92.5	-	-	65	143.2	95	209.2

End to End dimensions according to ASME B16.10

For class 1500 spiral wound gasket joint available on request

Ring-Joint gasket according to ASME B16.20 - API 6A

(*) End to end dimension BW on request Fig. N. BW 9-RJ930 / BW 25-RJ2530