UNITED POWER
COMMERCIAL CORPORATION
ESTD. 1961

OMB

Brochure

OMB®

PRODUCT LINE

GATE

- Sizes 1/4" through 2"
- Closed Die Forging
- Full and Standard Bore
- Class 150
- Class 300
- Class 600
- Class 1500
- Class 2500
- Bolted or welded bonnet

GLOBE

- Sizes 1/4" through 2"
- Closed Die Forging
- Full and Standard Bore
- Class 150
- Class 300
- Class 600
- Class 800
- Class 1500
- Class 2500
- Class 4500
- T-Pattern, bolted or welded bonnet

CHECK

- Sizes 1/4" through 2"
- Closed Die Forging
- Full and Standard Bore
- Class 150
- Class 300
- Class 600
- Class 800
- Class 1500
- Class 2500
- Class 4500
- T-Pattern, bolted or welded bonnet

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GATE VALVES

Gate valves are bi-directional valves ideally suited for on-off duties OMB produces various types, with parallel face gates or wedge gates (as closure elements.

These valves have a high flow coefficient (Cv), and in the case of parallelgatevalves, it is comparable with the straight pipe's Cv. They are usually installed in high pressure fluids applications because the upstream pressure helps the sealing between gate and seat.

OMB is continuously studying and improving the surface finish of the seating in order to guarantee the minimum wear under high pressure conditions.

Gate valves are supplied in various models that cover a wide range of different and unique services.

CONSTRUCTION
ISO15761 2nd ed.,2002 API602 10th.ed, 2015 ASME B16.34 2013 ed.
Bolted or welded bonnet
size 1/2"-2"
Closed Die Forging
Full and Standard Bore
150, 300, 600, 800, 1500, 2500

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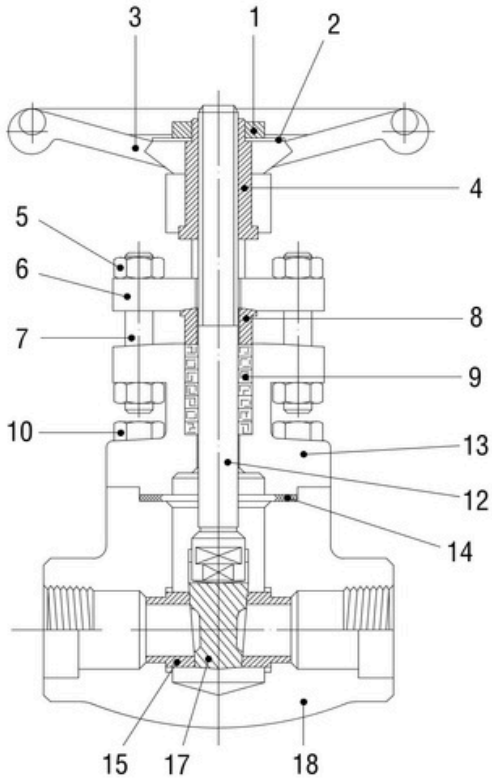
GATE VALVES



1	WHEELNUT	Austenitic ductile iron, 13Cr steel, or copper alloy having a melting point above 955°C (1750 °F).
2	NAMEPLATE	A corrosion resistant metal.
3	HANDWHEEL	Malleable iron, carbon steel, or ductile iron.
4	YOKE NUT	Carbon steel, stainless steel or similar material composition as the bonnet.
5	GLAND NUT	Bolting materials of a Type 300 or Type 400 series stainless steel. Also, material at least equal to either ASTM A307-Grade B or EN 10269-C35E (1.1181) may be used for yoke bolting.
6	GLAND FLANGE	Steel.
7	GLAND STUD	Unless other materials are agreed between the purchaser and manufacturer, refer to the recommended bolting material in Annex G of API 602.
8	GLAND	Material with a melting point above 955° C (1750 °F).
9	PACKING (*)	Non-asbestos material suitable for steam and petroleum fluids over a temperature range of - 29 °C to 540 °C (-20 °F to 1000 °F) and containing a corrosion inhibitor.
10	BOLTS	Unless other materials are agreed between the purchaser and manufacturer, refer to the recommended bolting material in Annex G of API 602.
12	STEM	Refer to API Standard 602, Table 12.
13	BONNET	A forging, forged bar or casting material as selected from ASME B16.34, Group 1, 2 or Group 3 listed in table 1.
14	GASKET	Refer to API Standard 602 (see 5.5.3).
15	SEAT	The base material of the seat ring, when used, shall be of a nominal material composition equal to the body material or the stem material Refer to API 602 (see 6.1.4).
17	WEDGE	The base material of the wedge/disc shall be of a nominal material composition equal to the body material or the stem material. Refer to API 602 (see 6.1.4).
18	BODY	A forging, forged bar or casting material as selected from ASME B16.34, Group 1, 2 or Group 3 listed in table 1.

DESCRIPTION	A105N/F6	A105N/F6HFS	LF2-316	F11/F6HFS	F304-304	F316-316
WHEELNUT	Galvanized AVP	Galvanized AVP	Galvanized AVP	Galvanized AVP	303	303
NAMEPLATE	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
HANDWHEEL	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel +Black Epoxy	Carbon Steel +Black Epoxy
YOKE NUT	416	416	416	416	416	416
GLAND NUT	2H	2H	Gr.8M	Gr.8M	Gr.8	Gr.8
GLAND FLANGE	A105	A105	LF2	F6a Cl.2	304/304L	316
GLAND STUD	F6a Cl.2 (410)	F6a Cl.2 (410)	B8M CL.1	B8M CL.1	B8 CL.1	B8 CL.1
GLAND	316	316	316	316	316	316
PACKING (*)	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite
BOLTS	B7	B7	L7	B16	B8 CL.1	B8 CL.1
STEM	F6a Cl.2 (410)	F6a Cl.2 (410)	316/316L	F6a Cl.2 (410)	304/304L	316
BONNET	A105N	A105N	LF2	304/304L	304/304L	F316
GASKET	316+Graphite	316+Graphite	316+Graphite	316+Graphite	316+Graphite	Sp. Wound
SEAT	F6a Cl.2 (410)	410 HF	316/316L	410 HF	304/304L	316/316L
WEDGE	F6a Cl.2	F6a Cl.2	316/316L	F6a Cl.2	304/304L	316
BODY	A105N	A105N	LF2	F11 Cl.2	304/304L	316

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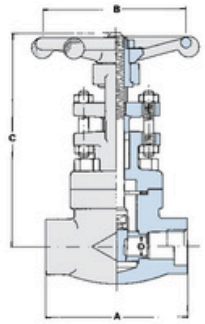
810/610



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

CLASS 800

BOLTED BONNET - STANDARD AND FULL - API602 - ISO 15761
Outside Screw & Yoke - Threaded and Socket Weld Ends to B16.11

STANDARD BORE	810	-		1/2		3/4		1		1 1/4		1 1/2		2		-	
FULL BORE	610	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	127	5.00	127	5.00	150	5.90
Handwheel	B	80	3.14	80	3.14	80	3.14	110	4.33	110	4.33	130	5.11	130	5.11	180	7.08
Open Center to Top	C	148	5.86	148	5.86	163	6.41	178	7.00	210	8.26	243	9.56	262	10.3	365	14.3
Flow Passageway	D	8	0.31	9.6	0.38	14	0.55	18	0.70	24	0.94	30	1.18	37	1.45	48	1.89
Approx. Weight	kg/lb	1.6	3.5	1.6	3.5	2.2	4.8	3.5	7.7	5	11	6.5	14.3	9	19.8	21.5	47.3

*End to End OMB standard

L810/L610

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

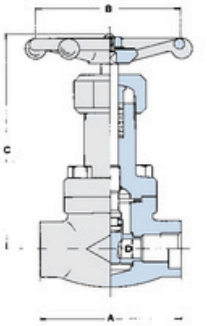
CLASS 800

WELDED BONNET - STANDARD AND FULL - API602 - ISO 15761
Outside Screw & Yoke - Threaded and Socket Weld Ends to B16.11

STANDARD BORE	L810	-		1/2		3/4		1		1 1/4		1 1/2		2		-	
FULL BORE	L610	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	127	5.00	127	5.00	150	5.90
Handwheel	B	80	3.14	80	3.14	80	3.14	110	4.33	110	4.33	130	5.11	130	5.11	180	7.08
Open Center to Top	C	148	5.86	148	5.86	163	6.41	178	7.00	210	8.26	243	9.56	262	10.3	365	14.3
Flow Passageway	D	8	0.31	9.6	0.38	14	0.55	18	0.70	24	0.94	30	1.18	37	1.45	48	1.89
Approx. Weight	kg/lb	1.6	3.5	1.6	3.5	2.2	4.8	3.5	7.7	5	11	6.3	13.8	8	17.6	17	37.4

*End to End OMB standard

800/600



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

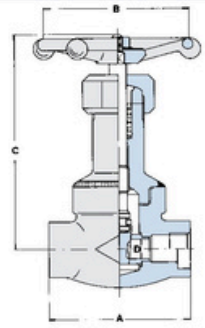
CLASS 800

BOLTED BONNET - STANDARD AND FULL - API602 - ISO 15761
Inside Screw & Yoke - Threaded and Socket Weld Ends to B16.11

STANDARD BORE	800	-		1/2		3/4		1		1 1/4		1 1/2		2		-	
FULL BORE	600	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	127	5.00	127	5.00	150	5.90
Handwheel	B	80	3.14	80	3.14	80	3.14	110	4.33	110	4.33	130	5.11	130	5.11	180	7.08
Open Center to Top	C	148	5.86	148	5.86	175	6.88	212	8.34	235	9.25	287	11.3	327	12.9	380	15.0
Flow Passageway	D	8	0.31	9.6	0.38	14	0.55	18	0.70	24	0.94	30	1.18	37	1.45	48	1.89
Approx. Weight	kg/lb	1.6	3.5	1.6	3.5	2.2	4.8	3.5	7.7	5	11	6.3	13.8	8	17.6	17	37.4

*End to End OMB standard

L800/L600



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

CLASS 800

WELDED BONNET - STANDARD AND FULL - API602 - ISO 15761
Inside Screw & Yoke - Threaded and Socket Weld Ends to B16.11

STANDARD BORE	L800	-		1/2		3/4		1		1 1/4		1 1/2		2		-	
FULL BORE	L600	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	127	5.00	127	5.00	150	5.90
Handwheel	B	80	3.14	80	3.14	80	3.14	110	4.33	110	4.33	130	5.11	130	5.11	180	7.08
Open Center to Top	C	148	5.86	148	5.86	175	6.88	212	8.34	235	9.25	287	11.3	327	12.9	380	15.0
Flow Passageway	D	8	0.31	9.6	0.38	14	0.55	18	0.70	24	0.94	30	1.18	37	1.45	48	1.90
Approx. Weight	kg/lb	1.5	3.3	1.5	3.3	2	4.4	3	6.6	5.1	11.2	6.5	14.3	9	19.8	17	37.4

*End to End OMB standard

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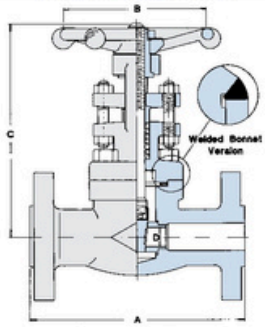
F1-810/ F3-810/ F6-810



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

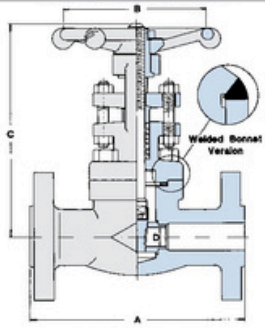
CLASS 150-300-600

BOLTED BONNET - STANDARD BORE - API602 - ISO 15761
Outside Screw & Yoke - Integral Flanged End according to ASME B16.5

STANDARD BORE			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 **F1-810** *		A	-	-	-	-	108	4.25	117	4.64	127	5.00	-	-	165	6.49	178	7.00
Class 300 **F3-810** *		A	-	-	-	-	140	5.51	152	6.02	165	6.49	-	-	190	7.51	216	8.50
Class 600 **F6-810** *		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	130	5.11
Open Center to Top	Class 150/300	C	-	-	-	-	170	6.69	195	7.67	203	7.99	-	-	243	9.56	262	10.3
	Class 600	C	-	-	-	-	148	5.82	163	6.41	178	7.00	-	-	243	9.56	262	10.3
Flow Passageway		D	-	-	-	-	9.6	0.38	14	0.55	18	0.70	-	-	30	1.18	37	1.45
Approx. Weight	Class 150	kg/lb	-	-	-	-	3.4	7.5	3.8	8.3	5.7	12.5	-	-	9.7	21.4	13.2	29.1
	Class 300	kg/lb	-	-	-	-	3.9	8.6	5	11.0	6.2	13.6	-	-	12	26.4	16.5	36.3
	Class 600	kg/lb	-	-	-	-	4	8.8	5.2	11.4	75	16.5	-	-	15	33.0	20.5	45.1

*End to End ANSI B16.10

F1-610/ F3-610/ F6-610



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 BORE - API602 - ISO 15761
Outside Screw & Yoke - Integral Flanged End according to ASME B16.5

FULL BORE			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 **F1-610** *		A	-	-	-	-	108	4.25	117	4.64	127	5.00	-	-	165	6.49	178	7.00
Class 300 **F3-610** *		A	-	-	-	-	140	5.51	152	6.02	165	6.49	-	-	190	7.51	216	8.50
Class 600 **F6-610** *		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
Open Center to Top	Class 150/300	C	-	-	-	-	170	6.69	195	7.67	210	8.26	-	-	262	10.3	327	12.8
	Class 600	C	-	-	-	-	244	9.60	268	10.5	310	12.2	-	-	391	15.4	430	16.9
Flow Passageway		D	-	-	-	-	14	0.55	18	0.70	24	0.94	-	-	37	1.45	48	1.89
Approx. Weight	Class 150	kg/lb	-	-	-	-	3.6	7.9	4.8	10.5	6.5	14.3	-	-	12	26.4	18	39.6
	Class 300	kg/lb	-	-	-	-	4.1	9.0	5.5	12.1	7.0	15.4	-	-	13	29.6	19	41.8
	Class 600	kg/lb	-	-	-	-	6	13.2	11	24.2	13	28.6	-	-	27	59.4	30	66.0

*End to End ANSI B16.10

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

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GATE VALVES

CLASS	JOINT	BORE	STANDARD	SCREW & YOKE	ENDS	PAGE	OMB FIG.	VOGT FIG.
800	Bolted Bonnet	SB	API 602 - ISO 15761	Outside	NPT&SW Ends	14	810	12111
800	Bolted Bonnet	FB	API 602 - ISO 15761	Outside	NPT&SW Ends	14	610	13111
800	Welded Bonnet	SB	API 602 - ISO 15761	Outside	NPT&SW Ends	14	L810	2801
800	Welded Bonnet	FB	API 602 - ISO 15761	Outside	NPT&SW Ends	14	L610	3801
800	Bolted Bonnet	SB	API 602 - ISO 15761	Inside	NPT&SW Ends	14	800	12161
800	Bolted Bonnet	FB	API 602 - ISO 15761	Inside	NPT&SW Ends	14	600	N/A*
800	Welded Bonnet	SB	API 602 - ISO 15761	Inside	NPT&SW Ends	14	L800	2811
800	Welded Bonnet	FB	API 602 - ISO 15761	Inside	NPT&SW Ends	14	L600	N/A*
1500	Bolted Bonnet	SB	API 602 - ISO 15761	Outside	NPT&SW Ends	15	R910	15111
1500	Bolted Bonnet	FB	API 602 - ISO 15761	Outside	NPT&SW Ends	15	910	16111
1500	Welded Bonnet	SB	API 602 - ISO 15761	Outside	NPT&SW Ends	15	LR910	N/A*
1500	Welded Bonnet	FB	API 602 - ISO 15761	Outside	NPT&SW Ends	15	L910	16801
1500	Ring Joint BB	FB	API 602 - ISO 15761	Outside	NPT&SW Ends	15	RJ910	1043
1500	Ring Joint BB	FB	API 602 - ISO 15761	Outside	BW Ends	15	BW9-RJ910	N/A*
2500	Ring Joint BB	FB	ASME B16.34	Outside	NPT&SW Ends	16	RJ2510	N/A*
2500	Ring Joint BB	FB	ASME B16.34	Outside	BW Ends	16	BW25-RJ2510	N/A*
2500	Welded Bonnet	FB	ASME B16.34	Outside	NPT&SW Ends	16	L2510	66703
2500	Welded Bonnet	FB	ASME B16.34	Outside	BW Ends	16	BW25-L2510	N/A*
800	Welded Bonnet	SB	API 602 - ISO 15761	Outside	M-NPTM	17	MLA-810	TT2801
800	Bolted Bonnet	SB	API 602 - ISO 15761	Outside	M-SWM	17	MA-810	TT12111
800	Welded Bonnet	SB	API 602 - ISO 15761	Outside	M-BW	17	MLW-810	CT2901
800	Bolted Bonnet	SB	API 602 - ISO 15761	Outside	M-NPTM	17	MW-810	CT12111
1500	Welded Bonnet	SB	API 602 - ISO 15761	Outside	M-NPTM	17	MLA-R910	TT15801
1500	Bolted Bonnet	SB	API 602 - ISO 15761	Outside	M-SWM	17	MA-R910	N/A*
1500	Welded Bonnet	SB	API 602 - ISO 15761	Outside	M-BW	17	MLW-R910	N/A*
1500	Bolted Bonnet	SB	API 602 - ISO 15761	Outside	M-NPTM	17	MW-R910	CT1511
150	Bolted Bonnet	SB	API 602 - ISO 15761	Outside	F Ends	18	F1-810	353
300	Bolted Bonnet	SB	API 602 - ISO 15761	Outside	F Ends	18	F3-810	363
600	Bolted Bonnet	SB	API 602 - ISO 15761	Outside	F Ends	18	F6-810	373
150	Bolted Bonnet	FB	API 602 - ISO 15761	Outside	F Ends	18	F1-610	N/A*
300	Bolted Bonnet	FB	API 602 - ISO 15761	Outside	F Ends	18	F3-610	13363
600	Bolted Bonnet	FB	API 602 - ISO 15761	Outside	F Ends	18	F6-610	13373
1500	Ring Joint BB	FB	API 602 - ISO 15761	Outside	F Ends	18	F9-RJ910	N/A*
2500	Ring Joint BB	FB	ASME B16.34	Outside	F Ends	18	F25-RJ2510	N/A*

NOTE

SB	STANDARD BORE
FB	FULL BORE
NPT&SW ENDS	THREADED AND SOCKET WELD ENDS ACCORDING TO ASME B16.11
BW	BUTT WELD ENDS ACCORDING TO ASME B16.25
BW&C	BUTT WELDED ACCORDING TO ASME B16.25 AND CLAMP ENDS ACCORDING TO MFGS STANDARDS
M-NPT MALE	EXTENDED BODY ACCORDING TO API 602 - MALE THREADED ENDS ACCORDING TO ASME B16.11
M-SWM	EXTENDED BODY ACCORDING TO API 602 - MALE SOCKET ENDS ACCORDING TO ASME B16.11
M-BW	EXTENDED BODY ACCORDING TO API 602 - BUTT WELD ENDS ACCORDING TO ASME B16.25
F	INTEGRAL FLANGED ENDS ACCORDING TO ASME B16.5
N/A*	FIGURE VALVE IS NOT INCLUDED IN THE BFE OR VOGT CATALOG

GLOBE VALVES

Globe valves are unidirectional and closing-down valves in which the closure member is moved squarely on and off the seat and are designed to maintain the pressure flowing under the disc. In this way, the opening of the port is directly proportional to the travel of the disc.
This proportional relationship is ideally suited for applications that require flowrate regulation.
In order to increase precision in the regulation, the disc element is available in three different configurations: parabolic, needle and v-port.
Furthermore the short-travel of the disc between the open and closed positions makes these valves ideally suited for on-off duties when they must be opened and closed frequently.

CONSTRUCTION

ISO15761 2nd ed.,2002 API602 10th.ed, 2015 ASME B16.34 2013 ed.
T-body, bolted or welded bonnet
size 1/2"-4"
Closed Die Forging
Full and Standard Bore
150, 300, 600, 800, 1500, 2500, 4500

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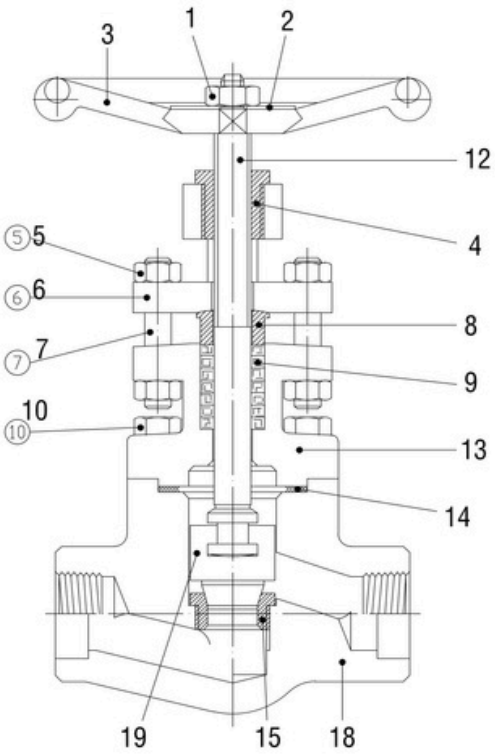

1	WHEELNUT	Austenitic ductile iron, 13Cr steel, or copper alloy having a melting point above 955 °C (1750 °F).
2	NAMEPLATE	A corrosion resistant metal.
3	HANDWHEEL	Malleable iron, carbon steel, or ductile iron.
4	YOKE NUT	Carbon steel, stainless steel or similar material composition as the bonnet.
5	GLAND NUT	Bolting materials of a Type 300 or Type 400 series stainless steel. Also, material at least equal to either ASTM A307-Grade B may be used for yoke bolting.
6	GLAND FLANGE	Steel.
7	GLAND STUD	Unless other materials are agreed between the purchaser and manufacturer, refer to the recommended bolting material in Annex G of API 602.
8	GLAND	Material with a melting point above 955 °C (1750 °F).
9	PACKING (*)	Non-asbestos material suitable for steam and petroleum fluids over a temperature range of -29 °C to 540 °C (-20 °F to 1000 °F) and containing a corrosion inhibitor.
10	BOLTS	Unless other materials are agreed between the purchaser and manufacturer, refer to the recommended bolting material in Annex G of API 602.
12	STEM	Refer to API Standard 602, Table 12.
13	BONNET	A forging, forged bar or casting material as selected from ASME B16.34, Group 1, 2 or Group 3 and listed in Table 1 of API 602.
14	GASKET	Refer to API Standard 602, (see 5.5.3).
15	SEAT	The base material of the seat ring, when used, shall be of a nominal material composition equal to the body material or the stem material. Refer to API 602 (see 6.1.4).
18	BODY	A forging, forged bar or casting material as selected from ASME B16.34, Group 1, 2 or Group 3 and listed in Table 1 of API 602.
19	DISC	The base material of the wedge/disc shall be of a nominal material composition equal to the body material or the stem material. Refer to API 602 (see 6.1.4).

DESCRIPTION	A105N/F6	A105N/F6HFS	LF2/F316	F11/F6HFS	F304-304	F316-316
WHEELNUT	Galvanized AVP	Galvanized AVP	Galvanized AVP	Galvanized AVP	303	303
NAMEPLATE	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
HANDWHEEL	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel Black Epoxy	Carbon Steel Black Epoxy
YOKE NUT	416	416	416	416	416	416
GLAND NUT	2H	2H	Gr.8M	Gr.8M	Gr.8	Gr.8
GLAND FLANGE	A105	A105	LF2	F6a Cl.2	304/304L	316
GLAND STUD	F6a Cl.2 (410)	F6a Cl.2 (410)	B8M CL.1	B8M CL.1	B8 CL.1	B8 CL.1
GLAND	316	316	316	316	316	316
PACKING (*)	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite
BOLTS	B7	B7	L7	B16	B8 CL.1	B8 CL.1
STEM	F6a Cl.2 (410)	F6a Cl.2 (410)	316/316L	F6a Cl.2 (410)	304/304L	316
BONNET	A105N	A105N	LF2	F11 Cl.2	304/304L	316/316L
GASKET	316+Graphite	316+Graphite	316+Graphite	316+Graphite	316+Graphite	316+Graphite
SEAT	F6a Cl.2 (410)	410 HF	316/316L	410 HF	304/304L	316
WEDGE	F6a Cl.2 (410)	F6a Cl.2 (410)	316/316L	F6a Cl.2 (410)	304/304L	316
BODY	A105N	A105N	LF2	F11 Cl.2	304/304L	316/316L

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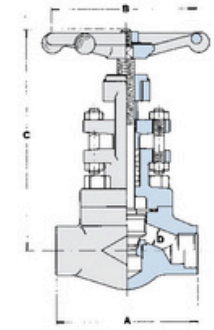
830/630



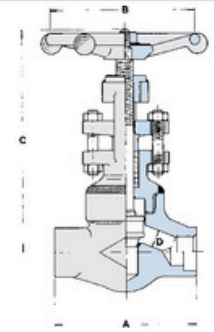
RATINGS: Carbon Steel 1975 p.s.i. @ 100°F

CLASS 800

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

STANDARD BORE	830	-		1/2		3/4		1		1 1/4		1 1/2		2		-	
FULL BORE	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
Open Center to Top	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
Flow Passageway	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

L830/L630



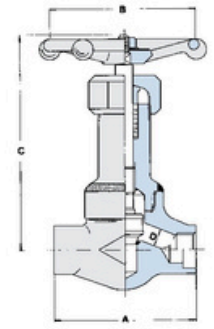
RATINGS: Carbon Steel 1975 p.s.i. @ 100°F

CLASS 800

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

STANDARD BORE	L830	-		1/2		3/4		1		1 1/4		1 1/2		2		-	
FULL BORE	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
Open Center to Top	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
Flow Passageway	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

L820/L620



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

CLASS 800

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

STANDARD BORE	L820	-		1/2		3/4		1		1 1/4		1 1/2		2		-	
FULL BORE	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
Open Center to Top	C	148	5.86	148	5.86	175	6.88	212	8.34	235	9.25	287	11.3	327	12.9	380	15.0
Flow Passageway	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

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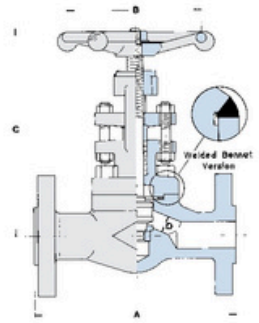
F1-830/ F3-830/ F6-830



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

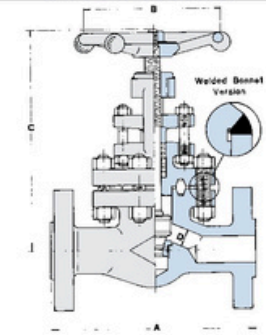
CLASS 150-300-600

BOLTED BONNET - STANDARD BORE - API602/ISO15761
Outside Screw & Yoke - Integral Flanged End according to ASME B16.5

STANDARD BORE			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	178	7.00
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 150/300	C	-	-	-	-	148	5.82	165	6.49	180	7.08	-	-	248	9.76	257	10.1
	Class 600	C	-	-	-	-	170	6.69	197	7.75	205	8.07	-	-	248	9.76	257	10.1
Flow Passageway		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 dimension according to ANSI B16.10

F1-630/F3-630/F6-630



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 BORE - BS 5352
Outside Screw & Yoke - Integral Flanged End according to ASME B16.5

FULL BORE			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 F3-630		A	-	-	-	-	152	6.02	178	7.00	203	7.99	-	-	229	9.01	267	10.5
Class 600 F6-630		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
Open Center toTop	Class 300/600	C	-	-	-	-	246	9.64	273	10.7	295	11.6	-	-	410	16.1	440	17.3
	Class 150	C	-	-	-	-	170	6.69	197	7.75	205	89.84	-	-	285	11.02	320	12.6
Flow Passageway		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 dimension according to ANSI B16.10
Spiral wound gasket joint for #150

Ring-Joint gasket according to ASME B16.20 - API 6A.
(*)End to end dimension BW on request Fig. N. BW 1-630/BW 6-630

GLOBE VALVES

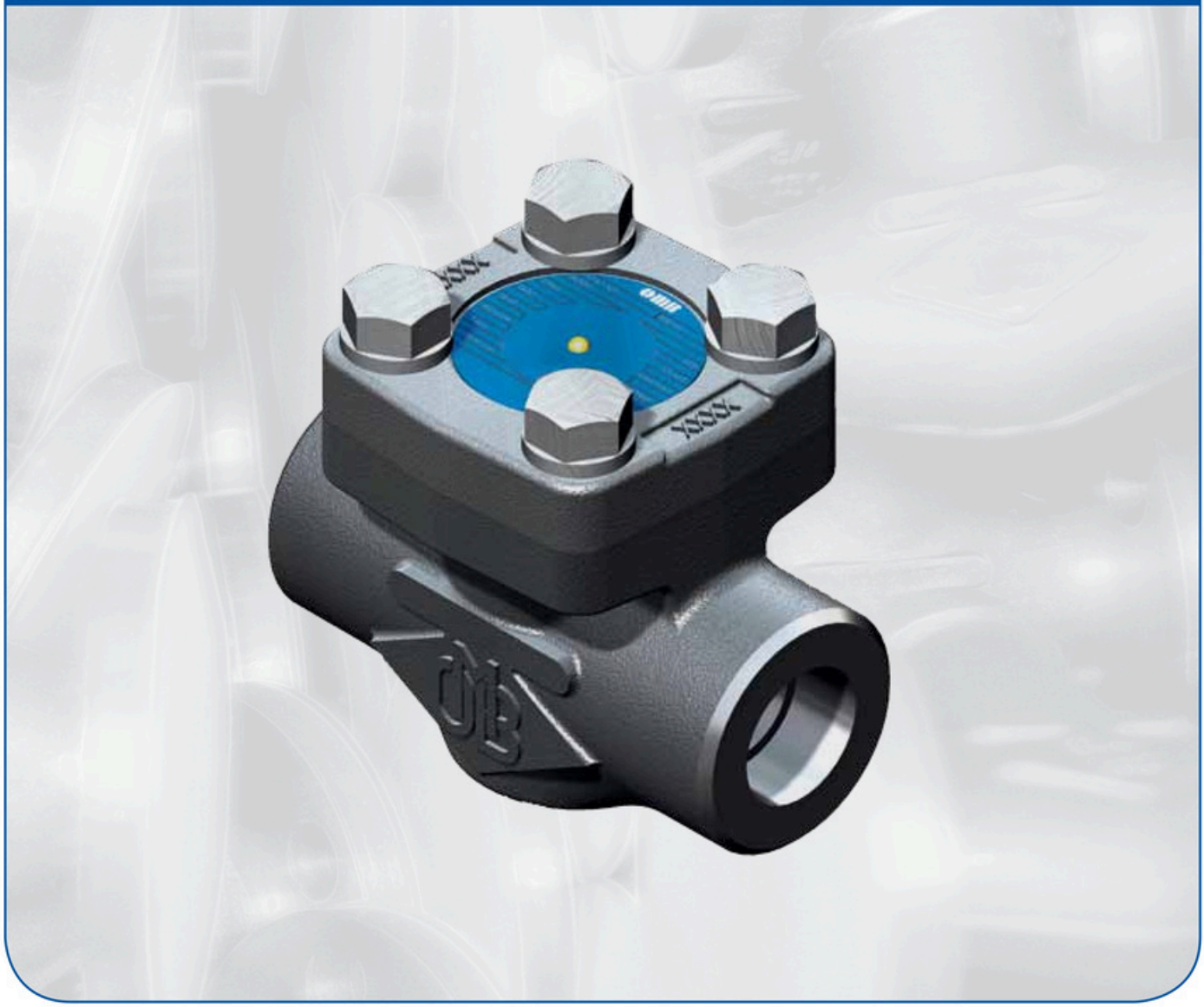
CLASS	JOINT	BORE	STANDARD	SCREW & YOKE	ENDS	PAGE	OMB FIG.	VOGT FIG.
800	Bolted Bonnet	SB	API 602 - ISO 15761	Outside	NPT&SW Ends	22	830	12141
800	Bolted Bonnet	FB	BS 5352	Outside	NPT&SW Ends	22	630	13141
800	Welded Bonnet	SB	API 602 - ISO 15761	Outside	NPT&SW Ends	22	L830	2821
800	Welded Bonnet	FB	BS 5352	Outside	NPT&SW Ends	22	L630	3821
800	Welded Bonnet	SB	API 602 - ISO 15761	Inside	NPT&SW Ends	22	L820	N/A*
800	Welded Bonnet	FB	BS 5352	Inside	NPT&SW Ends	22	L620	N/A*
1500	Bolted Bonnet	SB	API 602 - ISO 15761	Outside	NPT&SW Ends	22	R930	52141
1500	Bolted Bonnet	FB	BS 5352	Outside	NPT&SW Ends	22	930	53141
1500	Welded Bonnet	SB	API 602 - ISO 15761	Outside	NPT&SW Ends	23	LR930	15821
1500	Welded Bonnet	FB	BS 5352	Outside	NPT&SW Ends	23	L930	16821
1500	Ring Joint BB	FB	BS 5352	Outside	NPT&SW Ends	23	RJ930	N/A*
2500	Ring Joint BB	FB	ASME B16.34	Outside	SW&BW Ends	23	RJ2530	N/A*
2500	Welded	FB	ASME B16.34	Outside	SW&BW Ends	23	L2530	66723
4500	Ring Joint BB	FB	ASME B16.34	Outside	SW&BW Ends	24	RJ4530	N/A*
4500	Welded Bonnet	FB	ASME B16.34	Outside	SW&BW Ends	24	L4530	N/A*
4500	Ring Joint BB	FB	ASME B16.34	Outside	BW&C Ends	24	RJ-4530-BW	N/A*
4500	Welded Bonnet	FB	ASME B16.34	Outside	BW&C Ends	24	L4530-BW	N/A*
150	Bolted Bonnet	SB	API 602 - ISO 15761	Outside	F Ends	25	F1-830	22473
300	Bolted Bonnet	SB	API 602 - ISO 15761	Outside	F Ends	25	F3-830	33483
600	Bolted Bonnet	SB	API 602 - ISO 15761	Outside	F Ends	25	F6-830	33493
150	Bolted Bonnet	FB	BS 5352	Outside	F Ends	25	F1-630	N/A*
300	Bolted Bonnet	FB	BS 5352	Outside	F Ends	25	F3-630	N/A*
600	Bolted Bonnet	FB	BS 5352	Outside	F Ends	25	F6-630	N/A*
1500	Ring Joint BB	FB	BS 5352	Outside	F Ends	25	F9-RJ-930	N/A*
2500	Ring Joint BB	FB	BS 5352	Outside	F Ends	25	F25-RJ2530	N/A*
800	Welded Bonnet	FB	ASME B16.34	Outside	NPT&SW Ends	26	YL630	810
1500	Welded Bonnet	FB	ASME B16.34	Outside	NPT&SW Ends	26	YL930	1510
1690	Welded Bonnet	FB	ASME B16.34	Outside	NPT&SW Ends	26	YL930	810
2500	Welded Bonnet	FB	ASME B16.34	Outside	NPT&SW Ends	26	YL2530	2510
2680	Welded Bonnet	FB	ASME B16.34	Outside	NPT&SW Ends	26	YL2530	2510
4500	Welded Bonnet	FB	ASME B16.34	Outside	NPT&SW Ends	26	YL4530	4150
800	Bolted Bonnet	FB	ASME B16.34	Outside	NPT&SW Ends	27	YB630	
1500	Bolted Bonnet	FB	ASME B16.34	Outside	NPT&SW Ends	27	YB930	
1690	Bolted Bonnet	FB	ASME B16.34	Outside	NPT&SW Ends	27	YB930	
2500	Bolted Bonnet	FB	ASME B16.34	Outside	NPT&SW Ends	27	YB2530	
2680	Bolted Bonnet	FB	ASME B16.34	Outside	NPT&SW Ends	27	YB2530	
600	Welded Bonnet	FB	ASME B16.34	Outside	NPT&SW Ends	28	BW6-YL630	
1500	Welded Bonnet	FB	ASME B16.34	Outside	NPT&SW Ends	28	BW9-YL930	
1690	Welded Bonnet	FB	ASME B16.34	Outside	NPT&SW Ends	28	BW9-YL930	

CLASS	JOINT	BORE	STANDARD	SCREW & YOKE	ENDS	PAGE	OMB FIG.	VOGT FIG.
2500	Welded Bonnet	FB	ASME B16.34	Outside		28	BW25-YL2530	
2680	Welded Bonnet	FB	ASME B16.34	Outside		28	BW25-YL2530	
4500	Welded Bonnet	FB	ASME B16.34	Outside		28	YL4530	
800	Bolted Bonnet	FB	ASME B16.34	Outside		29	BW9-YB630	
1500	Bolted Bonnet	FB	ASME B16.34	Outside		29	BW9-YB930	
1690	Bolted Bonnet	FB	ASME B16.34	Outside		29	BW9-YB930	
2500	Bolted Bonnet	FB	ASME B16.34	Outside		29	BW25-YB2530	
2680	Bolted Bonnet	FB	ASME B16.34	Outside		29	BW25-YB2530	
150	Welded Bonnet	FB	API 602 - ISO 15761 BS 5352	Outside		30	1-Y630	
300	Welded Bonnet	FB	API 602 - ISO 15761 BS 5352	Outside		30	3-Y630	
600	Welded Bonnet	FB	API 602 - ISO 15761 BS 5352	Outside		30	6-Y930	
1500	Welded Bonnet	FB	API 602 - ISO 15761 BS 5352	Outside		30	3-Y630	
2500	Welded Bonnet	FB	API 602 - ISO 15761 BS 5352	Outside		30	25-Y2530	
150	Bolted Bonnet	FB	API 602 - ISO 15761 BS 5352	Outside		31	1-Y630-BB	
300	Bolted Bonnet	FB	API 602 - ISO 15761 BS 5352	Outside		31	3-Y630-BB	
600	Bolted Bonnet	FB	API 602 - ISO 15761 BS 5352	Outside		31	6-Y930-BB	
1500	Bolted Bonnet	FB	API 602 - ISO 15761 BS 5352	Outside		31	3-Y630-BB	
2500	Bolted Bonnet	FB	API 602 - ISO 15761 BS 5352	Outside		31	25-Y2530-BB	

NOTE

SB	STANDARD BORE
FB	FULL BORE
NPT&SW ENDS	THREADED AND SOCKET WELD ENDS ACCORDING TO ASME B16.11
SW&BW ENDS	SOCKET WELD ENDS ACCORDING TO ASME B16.11 AND BUTT WELD ENDS ACCORDING TO ASME B16.25
BW&C	BUTT WELDED ACCORDING TO ASME B16.25 AND CLAMP ENDS ACCORDING TO MFGS STANDARDS
F ENDS	INTEGRAL FLANGED ENDS ACCORDING TO ASME B16.5
W ENDS	FLANGED ENDS ACCORDING TO ASME B16.5
N/A*	FIGURE VALVE IS NOT INCLUDED IN THE BFE OR VOGT CATALOG

CHECK VALVES



Check valves are unidirectional self-activated valves used to prevent systems' reverse flow and to protect other pipeline devices (pumps, compressors, etc.).
OMB manufactures three different closure element versions to meet a wide variety of applications: Piston, Ball and Swing.
Our piston check valves (as per OMB's standard) are supplied with a spring, an added feature that makes possible their installation throughout the pipeline, vertically or horizontally; critical to completing systems design.
It is worth mentioning that, unless requested by the customer, OMB's ball check valves, are supplied without spring.
OMB pays attention to any detail to its design and manufacturing processes, in order to lower noise in operation conditions and unusual excessive wear on the closure components; guaranteeing the best of performances in the valve's lifetime.

CONSTRUCTION

ISO15761 2nd ed.,2002 API602 10th.ed, 2015 ASME B16.34 2013 ed.
T-Pattern, bolted or welded bonnet
size 1/2"-2"
Close Die Forging
Full and Standard Bore
150, 300, 600, 800, 1500, 2500, 4500

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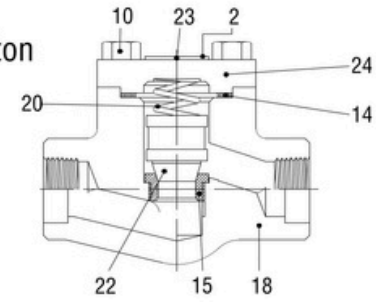
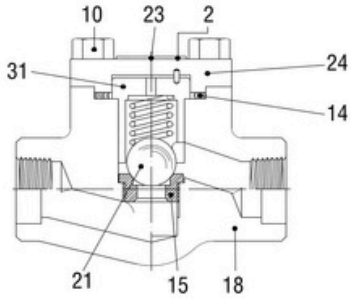
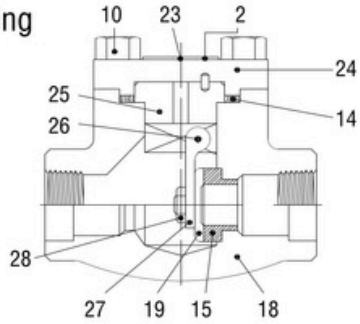
Piston



Ball



Swing



2	NAMEPLATE	A corrosion resistant metal.
10	BOLTS	Unless other materials are agreed between the purchaser and manufacturer, refer to the recommended bolting material in Annex G of API 602.
14	GASKET	Refer to API 602 (see 5.5.3).
15	SEAT	The base material of the seat ring, when used, shall be of a nominal material composition equal to the body material or the stem material. Refer to API 602 (see 6.1.4).
18	BODY	A forging, forged bar or casting material as selected from ASME B16.34, Group 1, 2 or Group 3 and listed in Table 1 of API 602.
19	DISC	The base material of the wedge/disc shall be of a nominal material composition equal to the body material or the stem material. Refer to API 602. (see 6.1.4).
20	SPRING	Similar material composition as would be used for a valve stem, based on the valve trim requirement.
21	BALL	The base material of the wedge/disc shall be of a nominal material composition equal to the body material or the stem material. Refer to API 602. (see 6.1.4).
22	PISTON	The base material of the wedge/disc shall be of a nominal material composition equal to the body material or the stem material. Refer to API 602. (see 6.1.4).
23	RIVET*	Manufacturer standard, refer to table below.
24	BONNET	A forging, forged bar or casting material as selected from ASME B16.34, Group 1, 2 or Group 3 and listed in Table 1 of API 602.
25	SUPPORT*	Manufacturer standard, refer to table below.
26	HINGE PIN	Similar material composition as would be used for a valve stem, based on the valve trim requirement.
27	DISC HINGE	Similar material composition as would be used for a valve stem, based on the valve trim requirement.
28	DISC NUT	Similar material composition as would be used for a valve stem, based on the valve trim requirement.
31	BALL GUIDE*	Manufacturer standard, refer to table below.

DESCRIPTION	A105N/F6	A105N/F6HFS	LF2/F304	F11/F6HFS	F304/F304	F316/F316
RIVET	316	316	316	316	316	316
NAMEPLATE	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
BOLTS	B7	B7	L7	B16	B8M CL.1	B8M CL.1
BONNET/COVER	A105N	A105N	LF2	F11 Cl.2	304/304L	316/316L
GASKET	316+Graphite	316+Graphite	316+Graphite	316+Graphite	316+Graphite	316+Graphite
SEAT	F6a Cl.2 (410)	410 HF	304/304L	410 HF	304/304L	316
SPRING (*)	AISI 301	AISI 301	AISI 301	AISI 301	AISI 301	X-750
PISTON	F6a Cl.2 (410)	F6a Cl.2 (410)	304/304L	F6a Cl.2 (410)	304/304L	316
BODY	A105N	A105N	LF2	F11 Cl.2	304/304L	316/316L
BALL	F6a Cl.2 (410)	F6a Cl.2 (410)	316	F6a Cl.2 (410)	316	316
BALL GUIDE	LF2	LF2	LF2	316	316	316
DISC	F6a Cl.2 (410)	F6a Cl.2 (410)	304/304L	F6a Cl.2 (410)	304/304L	316
SUPPORT	LF2	LF2	LF2	316	316	316
HINGE PIN	F6a Cl.2 (410)	F6a Cl.2 (410)	316	F6a Cl.2 (410)	316	316
DISC HINGE	F6a Cl.2 (410)	F6a Cl.2 (410)	316	F6a Cl.2 (410)	316	316
DISC NUT	Gr.8M	Gr.8M	Gr.8M	Gr.8M	Gr.8M	Gr.8M

NOTE * Spring is an optional feature for Ball Check valves, supplied upon request.

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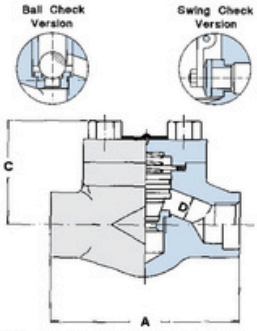
840/850/860/640/650/660



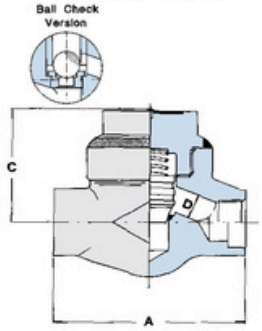
RATINGS: Carbon Steel 1975 p.s.i. @ 100°F

CLASS 800

PISTON, BALL AND SWING TYPE - STANDARD BORE - API602/ISO 15761 - FULL BORE - BS 5352
Bolted Cover - Threaded and Socket Weld Ends

STANDARD PORT		PISTON 840 BALL 850 SWING 860	-		1/2		3/4		1		1 1/4		1 1/2		2		-	
FULL BORE		PISTON 640 BALL 650 SWING 660	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	Piston - Ball	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
	Swing	A	80	3.14	80	3.14	90	3.54	110	4.33	127	5.00	127	5.00	127	5.00	210	8.26
Open Center to Top		C	53	2.08	53	2.08	60	2.36	73	2.87	80	3.14	98	3.85	118	4.64	150	5.90
Dia of Port	Piston - Ball	D	7	0.28	9	0.35	13	0.51	17.5	0.69	23	0.88	29.5	1.16	35	1.38	45.5	1.79
	Swing	D	8	0.31	9.6	0.38	14	0.55	18	0.70	24	0.94	30	1.18	37	1.45	48	1.89
Approx. Weight	Piston - Ball	Kg/Lb	1.3	2.8	1.3	2.8	1.4	3.0	2.4	5.2	4.0	8.8	7.4	16.2	8	17.6	18	39.6
	Swing	Kg/Lb	1.3	2.8	1.3	2.8	1.4	3.0	2.4	5.2	4.0	8.8	5.5	12.1	6.5	14.3	17.5	38.5

L840/L850/L640/L650



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

CLASS 800

PISTON AND BALL TYPE - STANDARD BORE - API602/ISO 15761 - FULL BORE - BS 5352
Welded Cover - Threaded and Socket Weld Ends

STANDARD PORT	PISTON L840 BALL L850	-		1/2		3/4		1		1 1/4		1 1/2		2		-	
FULL BORE	PISTON L640 BALL L650	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
Open Center to Top	C	53	2.08	53	2.08	60	2.36	73	2.87	80	3.14	98	3.85	110	4.33	150	5.90
Dia of Port	D	7	0.28	9	0.35	13	0.51	17.5	0.69	23	0.88	29.5	1.16	35	1.38	45.5	1.79
Approx. Weight	Kg/Lb	1.3	2.8	1.3	2.8	1.4	3.0	2.4	5.2	4.0	8.8	7.4	16.2	8	17.6	17	37.4

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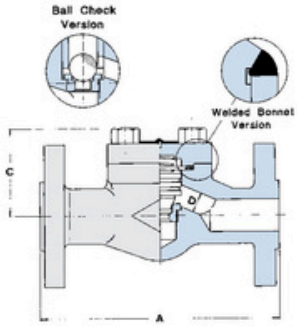
F1-840/F3-840/F6-840/ F1-850/F3-850/F6-850



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

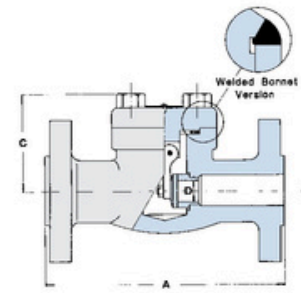
CLASS 150-300-600

PISTON AND BALL TYPE - STANDARD BORE - API602/ISO 15761
Bolted Cover - Integral Flanged Ends according to ASME B16.5

STANDARD BORE			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	PISTON F1-840 BALL F1-850	A	-	-	-	-	108	4.25	117	4.64	127	5.00	-	-	165	6.49	203	7.99
Class 300	PISTON F3-840 BALL F3-850	A	-	-	-	-	152	6.02	178	7.00	203	7.99	-	-	229	9.01	267	10.5
Class 600	PISTON F6-840 BALL F6-850	A	-	-	-	-	165	6.49	190	7.51	216	8.50	-	-	241	9.48	292	11.5
Center to Top Open	Class 150	C	-	-	-	-	75	2.95	92	3.62	98	3.85	-	-	98	3.85	110	4.33
	Class 300-600	C	-	-	-	-	53	2.08	60	2.36	73	2.87	-	-	98	3.85	110	4.33
Flow Passageway		D	-	-	-	-	9	0.35	13	0.51	17.5	0.69	-	-	29.5	1.16	35	1.37
Approx. Weight	Class 150	kg/lb	-	-	-	-	2.9	6.4	3.2	7.0	4.3	9.5	-	-	6.5	14.3	14.5	31.9
	Class 300	kg/lb	-	-	-	-	3.6	7.9	4.2	9.2	6	13.2	-	-	12	26.4	16	35.2
	Class 600	kg/lb	-	-	-	-	4.1	9.0	4.7	10.4	6.3	13.8	-	-	13	28.6	17	37.4

End to end dimension according to ASME B16.10

F1-860/F3-860/F6-860



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

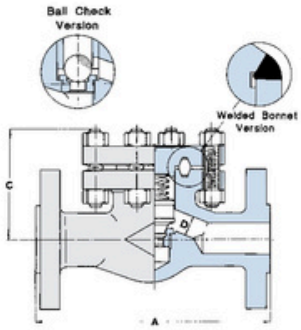
CLASS 150-300-600

SWING TYPE - STANDARD BORE - API602/ISO 15761
Round Bolted Cover - Integral Flanged Ends according to ASME B16.5

STANDARD BORE			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 F1-860		A	-	-	-	-	108	4.25	117	4.64	127	5.00	-	-	165	6.49	203	7.99
Class 300 F3-860		A	-	-	-	-	152	6.02	178	7.00	216	8.50	-	-	241	9.48	292	11.5
Class 600 F6-860		A	-	-	-	-	165	6.49	190	7.51	216	8.50	-	-	241	9.48	292	11.5
Open Center toTop	Class 150	C	-	-	-	-	75	2.95	92	3.62	98	3.85	-	-	98	3.85	110	4.33
	Class 300-600	C	-	-	-	-	53	2.08	60	2.36	73	2.87	-	-	98	3.85	110	4.33
Flow Passageway		D	-	-	-	-	9.6	0.38	14	0.55	18	0.70	-	-	30	1.18	37	1.45
Approx. Weight	Class 150	kg/lb	-	-	-	-	2.9	6.4	3.2	7.0	4.3	9.5	-	-	6.5	14.3	14.5	31.9
	Class 300	kg/lb	-	-	-	-	3.6	7.9	4.2	9.2	6.1	13.4	-	-	13	28.6	16	35.2
	Class 600	kg/lb	-	-	-	-	4.1	9.0	4.7	10.4	6.3	13.8	-	-	13	28.6	17	37.4

End to end dimension according to ASME B16.10

F6-RJ840/F6-RJ850



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 600

PISTON AND BALL TYPE - FULL BORE - BS 5352
Bolted Cover - Integral Flanged Ends according to ASME B16.5

FULL BORE			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 600	PISTON F6-RJ840 BALL F6-RJ850	A	-	-	-	-	165	6.49	190	7.51	216	8.50	-	-	241	9.48	292	11.5
Open Center toTop	Class 150	C	-	-	-	-	75	2.95	100	3.93	100	4.33	-	-	120	4.72	147	5.78
	Class 300-600	C	-	-	-	-	115	4.52	130	5.11	140	5.51	-	-	170	6.69	195	7.67
Flow Passageway		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	-	-	-	-	3.2	7.0	3.5	7.7	4.6	10.1	-	-	7.0	15.4	16	35.2
	Class 300	kg/lb	-	-	-	-	4.6	10.1	6.1	13.4	9.1	20.0	-	-	16	35.2	21	46.2
	Class 600	kg/lb	-	-	-	-	4.8	10.5	6.3	13.8	9.3	20.5	-	-	16.5	36.3	22	48.4

End to end dimension according to ANSI B16.10
Spiral wound gasket joint for #150

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

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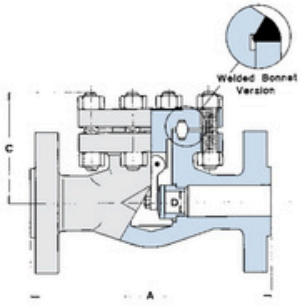
F6-RJ660



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 600

SWING TYPE - FULL BORE - BS 5352
Round Bolted Cover - Integral Flanged Ends according to ASME B16.5

FULL BORE			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 600 F6-RJ660		A	-	-	-	-	165	6.49	190	7.51	216	8.50	-	-	241	9.48	292	11.5
Open Center toTop	Class 150	C	-	-	-	-	75	2.95	100	3.93	110	4.33	-	-	120	4.72	147	5.78
	Class 300-600	C	-	-	-	-	115	4.52	130	5.11	140	5.51	-	-	170	6.69	195	7.67
Flow Passageway		D	-	-	-	-	14	0.55	18	0.70	24	0.94	-	-	37	1.45	48	1.89
Approx. Weight	Class 150	kg/lb	-	-	-	-	3.1	6.8	3.4	7.5	4.5	9.9	-	-	6.8	14.9	15.7	34.5
	Class 300	kg/lb	-	-	-	-	4.6	10.1	6.1	13.4	9.3	20.5	-	-	16.5	36.3	21	46.2
	Class 600	kg/lb	-	-	-	-	4.8	10.5	6.3	13.8	9.3	20.5	-	-	16.5	36.3	22	48.4

End to end dimension according to ANSI B16.10
Spiral wound gasket joint for #150

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

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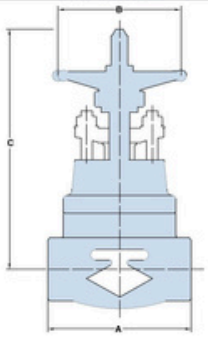
CHECK VALVES

CLASS	DESIGN	CONNECTION	BORE	STANDARD	SCREW & YOKE	ENDS	PAGE	OMB FIG.	VOGT FIG.
800	Piston	-	SB	API 602 ISO 15761	Bolted Cover	NPT&SW Ends	36	840	710
800	Ball	-	SB	API 602 ISO 15761	Bolted Cover	NPT&SW Ends	36	850	B701
800	Swing	-	SB	API 602 ISO 15761	Bolted Cover	NPT&SW Ends	36	860	S701
800	Piston	-	FB	API 602 ISO 15761 BS 5352	Bolted Cover	NPT&SW Ends	36	640	13701
800	Ball	-	FB	API 602 ISO 15761 BS 5352	Bolted Cover	NPT&SW Ends	36	650	B13701
800	Swing	-	FB	API 602 ISO 15761 BS 5352	Bolted Cover	NPT&SW Ends	36	660	N.A.*
800	Piston	-	FB	API 602 ISO 15761	Welded Cover	NPT&SW Ends	36	L840	N.A.*
800	Ball	-	SB	API 602 ISO 15761	Welded Cover	NPT&SW Ends	36	L850	N.A.*
800	Piston	-	SB	API 602 ISO 15761 BS 5352	Welded Cover	NPT&SW Ends	36	L640	N.A.*
800	Ball	-	FB	API 602 ISO 15761 BS 5352	Welded Cover	NPT&SW Ends	36	L650	N.A.*
1500	Piston	-	SB	API 602 ISO 15761	Bolted Cover	NPT&SW Ends	36	R940	15701
1500	Ball	-	SB	API 602 ISO 15761	Bolted Cover	NPT&SW Ends	36	R950	B15701
1500	Swing	-	SB	API 602 ISO 15761	Bolted Cover	NPT&SW Ends	36	R960	S15701
1500	Piston	-	FB	API 602 ISO 15761 BS 5352	Bolted Cover	NPT&SW Ends	36	940	16710
1500	Ball	-	FB	API 602 ISO 15761 BS 5352	Bolted Cover	NPT&SW Ends	36	950	N.A.*
1500	Swing	-	FB	API 602 ISO 15761 BS 5352	Bolted Cover	NPT&SW Ends	36	960	N.A.*
1500	Piston	-	SB	API 602 ISO 15761	Welded Cover	NPT&SW Ends	36	LR940	N.A.*
1500	Ball	-	SB	API 602 ISO 15761	Welded Cover	NPT&SW Ends	36	LR950	N.A.*
1500	Piston	-	FB	API 602 ISO 15761 BS 5352	Welded Cover	NPT&SW Ends	36	L940	N.A.*
1500	Ball	-	FB	API 602 ISO 15761 BS 5352	Welded Cover	NPT&SW Ends	36	L950	N.A.*
1500	Piston	-	FB	BS 5352	Round Bolted Cover	NPT&SW Ends	37	RJ940	N.A.*
1500	Ball	-	FB	BS 5352	Round Bolted Cover	NPT&SW Ends	37	RJ950	N.A.*
1500	Swing	-	FB	BS 5352	Round Bolted Cover	NPT&SW Ends	37	RJ960	N.A.*
2500	Piston	-	FB	ASME B16.34	Welded Cover	SW&BW Ends	37	RJ2540	N.A.*
2500	Ball	-	FB	ASME B16.34	Welded Cover	SW&BW Ends	37	RJ2550	N.A.*
2500	Piston	-	FB	ASME B16.34	Welded Cover	SW&BW Ends	37	L2540	N.A.*
2500	Ball	-	FB	ASME B16.34	Welded Cover	SW&BW Ends	37	L2550	N.A.*
4500	Piston	-	FB	ASME B16.34	Round Bolted Cover	SW&BW Ends	37	RJ4540	N.A.*
4500	Ball	-	FB	ASME B16.34	Round Bolted Cover	SW&BW Ends	37	RJ4550	N.A.*
150	Piston	-	SB	API 602 ISO 15761	Bolted Cover	F Ends	38	F1-840	573
150	Ball	-	SB	API 602 ISO 15761	Bolted Cover	F Ends	38	F1-850	B573
300	Piston	-	SB	API 602 ISO 15761	Bolted Cover	F Ends	38	F3-840	583
300	Ball	-	SB	API 602 ISO 15761	Bolted Cover	F Ends	38	F3-850	B583
600	Piston	-	SB	API 602 ISO 15761	Bolted Cover	F Ends	38	F6-840	593
600	Ball	-	SB	API 602 ISO 15761	Bolted Cover	F Ends	38	F6-850	B593
150	Swing	-	SB	API 602 ISO 15761	Round Bolted Cover	F Ends	38	F1-860	S673
300	Swing	-	SB	API 602 ISO 15761	Round Bolted Cover	F Ends	38	F3-860	S683
600	Swing	-	SB	API 602 ISO 15761	Round Bolted Cover	F Ends	38	F6-860	S693

NEW: For CRAs closed Die forgings

S810/S610



RATINGS: Carbon Steel - 1975 psi @100°F

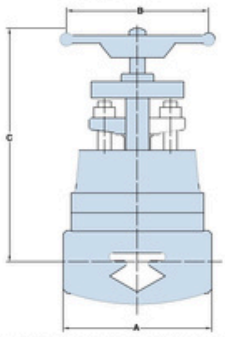
GATE -CLASS 800

BOLTED BONNET- STANDARD AND FULL BORE - API602
Outside Screw & Yoke - Threaded and Socket Weld Ends

STANDARD PORT	S810	-		1/2		3/4		1		1 1/4		1 1/2		2		-	
FULL BORE	S610	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	90	3.54	110	4.33	127	5.00	155	6.10	170	6.69	210	8.27
Handwheel	B	80	3.15	80	3.15	80	3.15	110	4.33	110	4.33	130	5.12	130	5.12	180	7.09
Open Center to Top	C	145	5.71	145	5.71	155	6.10	185	7.28	210	8.27	250	9.84	270	10.63	335	13.19
Flow Passageway	D	7	0.28	9.6	0.38	14	0.55	18	0.71	24	0.94	29.5	1.16	36.5	1.44	48	1.89
Approx Weight	kg/lb	2.9	6.38	2.9	6.38	2.9	6.4	4.5	9.9	7	15.4	9.5	20.9	13.1	28.82	24.7	54.34

End to End dimensions according to OMB Standards

S830/S630



RATINGS: Carbon Steel - 1975 psi @100°F

GLOBE -CLASS 800

BOLTED BONNET- STANDARD AND FULL BORE - API602
Outside Screw & Yoke - Threaded and Socket Weld Ends

STANDARD BORE	S830	-		1/2		3/4		1		1 1/4		1 1/2		2		-	
FULL BORE	S630	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	90	3.54	110	4.33	127	5.00	155	6.10	170	6.69	210	8.3
Handwheel	B	80	3.15	80	3.15	80	3.15	110	4.33	130	5.12	130	5.12	180	7.09	180	7.1
Open Center to Top	C	155	6.10	155	6.10	160	6.30	180	7.09	213	8.39	256	10.08	282	11.10	370	14.57
Flow Passageway	D	7	0.28	9	0.35	13	0.51	17.5	0.69	22.5	0.89	29.5	1.16	35	1.38	45.5	1.79
Approx Weight	kg/lb	2.9	6.38	2.9	6.38	2.9	6.4	4.6	10.1	7.1	15.6	9.6	21.12	13.5	29.7	24.9	54.8

End to End dimensions according to OMB Standards

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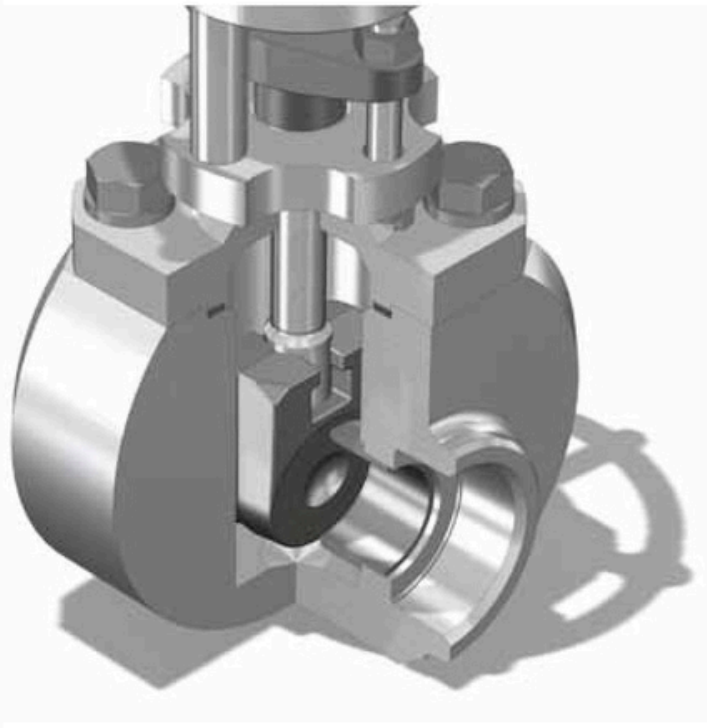
For Concerns:
tiugregian@upcc1.com

7th floor, Banawe Lifestyle Center Building, 86 Banawe St., Brgy. Sto. Domingo, Quezon City, Philippines

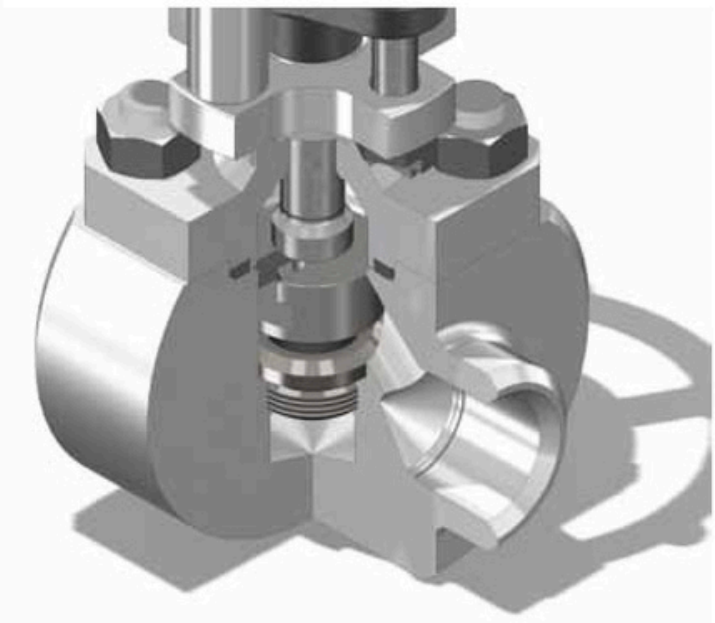
FORGED BAR VALVES

When the customer requires special materials or small amounts of valves, OMB can offer a line of Gate, Globe and Check Valves, from forged bars or blocks.

GATE



GLOBE



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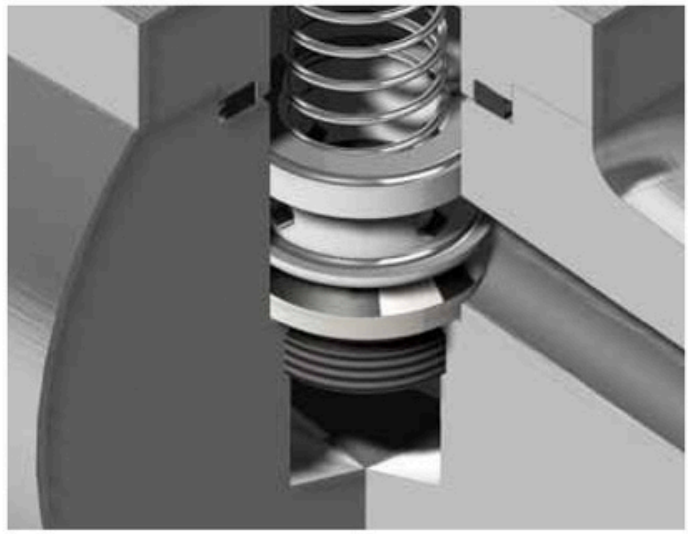
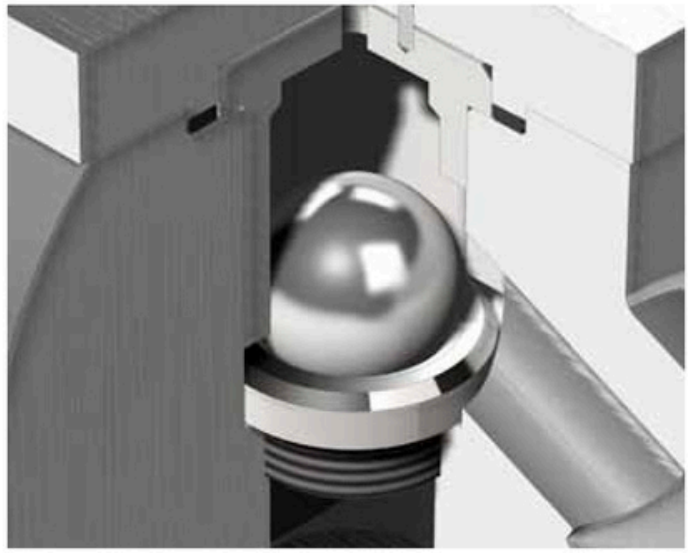
CHECK

BALL AND PISTON CHECK





SWING CHECK

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VALVES WE OFFER

GATE

CHECK

BALL

Y-STRAINER

GLOBE

STANDARDS:
ASTM A105 , API, ASME, AND ANSI B16.5

- size: 1/4" - 48"
- Thickness: Class 150 -2,500
- All Items will have an accompanying Mill Test Certificate upon request

APPLICATIONS:

- Industrial
- Residential
- Petrochemical Plants
- Oil & Gas
- Refineries
- Sugar Mills
- Energy
- Construction & Infrastructure
- Chemicals
- Machineries
- Boilers
- Food & Beverage
- Shipping
- Desalination Plant
- Power Plants
- Automotive & Transport
- High-Pressure Vessel

WHY CHOOSE US?

1 RELIABLE

Since 1961, We have been a trusted vendor for some of the Philippines' biggest companies across sectors in Oil Refinery, Petroleum, Geothermal, LNG, LPG, Power/Energy, Chemical, Sugar Mill, Food/Beverage, Distillery & International Sub-Contractors.

2 COMPETITIVE PRICING

As a Direct Importer, Wholesaler, Retailer, Stockist, and Exclusive Agent, we can offer our clients the most competitive of prices in an ever changing market.

3 QUALITY PRODUCTS

We carry a wide range of materials that conforms to various International Standards such as ASME, ANSI,WRAS, BSI, and ULFM.

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