

PETRO SERIES

Models:

F60 Floating Ball Design

ANSI Class 600

Size: 2" - 6"



Full Port Design:

- *2PC Split Body Design*

Standard Materials or Construction:

- *WCB & LCB with 304SS Trim*
- *Also Available in CF8M/316SS*
- *RF or RTJ Flanged Connections*

Design Features:

- *Investment Castings*
- *Floating Ball Design*
- *Locking Device*
- *Blow-out Proof Stem*
- *Anti Static Ground*
- *Graphite Stem & Body Seals*
- *Pressure Testing API 598, BS 6755 PT-1*
- *Actuator Mounting Pad - ISO*

Standards of Compliance:

- *ANSI Class 600*
- *Flanges ANSI B 16.5*
- *Face to Face ANSI B 16.10*
- *Shell / Wall ANSI B 16.34*
- *Fire Safe API607-4*
- *NACE MRO1-75*
- *API-6D / ISO-9001*
- *CE Certified*

All Valves 100% Hydrostatically

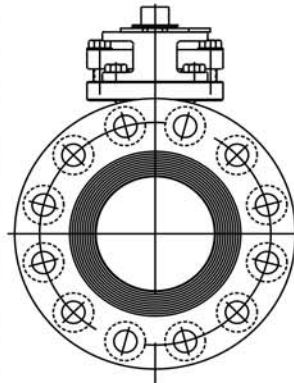
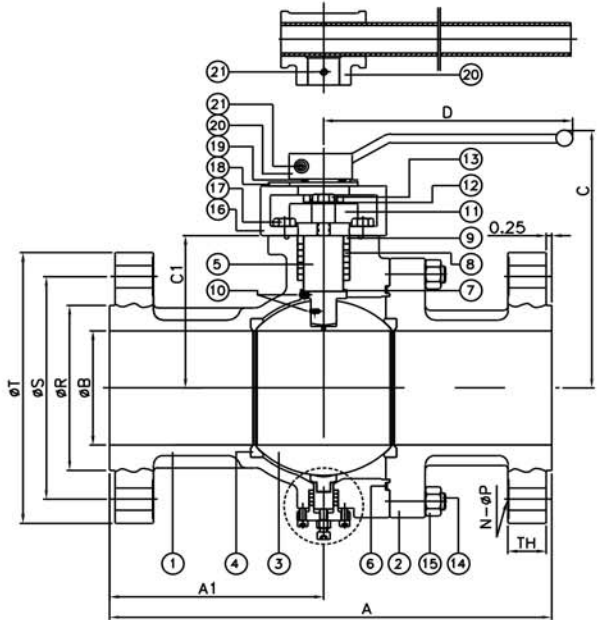
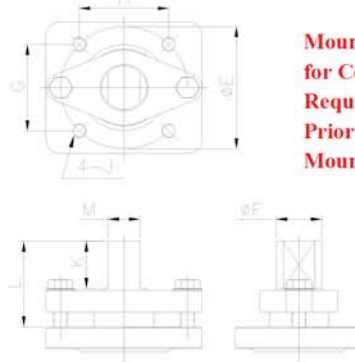
Pressure Tested:

Class 600-Shell 2225 PSI

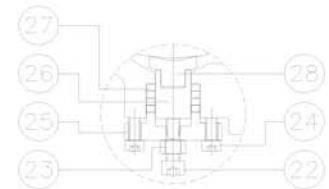


DESIGN & TECHNICAL DATA
BILL OF MATERIALS:

Part #	Name	Carbon Steel	Stainless Steel
1	Body	A352 LCB, A216 WCB	ASTM A351 CF8M
2	Cap	A352 LCB, A216 WCB	ASTM A351 CF8M
3	Ball	ASTM A351 CF8	ASTM A351 CF8M
4	Seat	Carbon + PTFE	Carbon + PTFE
5	Stem	SS304 / 17-4PH	SS316 / 17-4PH
6	Gasket	SS304 + Graphite	SS304 + Graphite
7	Thrust Washer	Carbon + PTFE	Carbon + PTFE
8	Stem Packing	Graphite	Graphite
9	Packing Follower	SS304	SS316
10	Anti-Static	SS304	SS316
11	Packing Gland	A352 LCB, A216 WCB	ASTM A351 CF8
12	Belleville Washer	SS301	SS310
13	Gland Bolt	SS304	SS304
14	Body Stud	ASTM A193 B7	ASTM A193 B8
15	Body Nut	ASTM A194 2H	ASTM A194 8
16	Stop Housing	A352 LCB, A216 WCB	ASTM A351 CF8
17	Housing Bolt	SS304	SS304
18	Travel Stop	SS304	SS304
19	Snap Ring	Nickel Plated CS	Nickel Plated CS
20	Handle	Ductile Iron	Ductile Iron
21	Locking Bolt	Steel	Steel
22	Turning Screw	SS304	SS304
23	Set Nut	SS304	SS304
24	Base Gland Bolt	SS304	SS304
25	Base Gland	A105 / LF2	SS304
26	Support Pin	SS304	SS316
27	Pin Packing	Graphite	Graphite
28	Pin Seat	Carbon + PTFE	Carbon + PTFE

Petro Series Valve

Mounting Dimensions:


Mounting Dimensions Are for Cost Estimating Only! Request Certified Drawing Prior to Manufacturing Mounting Hardware.

Ball Support Design


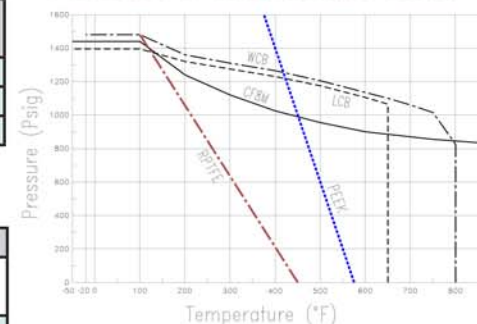
Appear on 6" only

Model F60 - ANSI Class 600 Dimensions, Cv, Torque & Weight:

Size	A	A1	B	C	C1	D	E	F	G	H	J	K	L	M	N	P	R	S	T	TH	Cv	ISO	Torque, in-lb	Torque, in-lb	Weight
																							@ 1000 psi	@ 1500 psi	
2"	11.5	5.55	1.97	5.94	2.95	13.78	4.02	0.95	2.84	2.84	1/2-13unc	0.98	2.09	0.669	8	0.75	3.62	5.00	6.50	1.00	410	F10	880	1100	38
3"	14.0	6.80	3.00	--	5.12	--	4.02	1.10	2.84	2.84	1/2-13unc	1.54	2.60	0.669	8	0.88	5.00	6.62	8.25	1.25	780	F10	2640	3300	85
4"	17.0	8.62	4.00	--	6.10	--	4.92	1.34	3.48	3.48	1/2-13unc	1.95	3.15	1.024	8	1.00	6.19	8.50	10.75	1.50	1120	F12	5600	7000	154
6"	22.0	10.65	6.00	--	7.87	--	5.51	1.97	3.90	3.90	5/8-11unc	2.13	3.86	1.378	12	1.12	7.31	11.50	14.00	1.88	1825	F14	10560	13200	363

F60 Series - Product Identification Code / Model Numbers

Model	Body Material	Ball Material	Stem Material	Seat Material	Stem Seal Material	Body Seal Material	Valve Operator
F60	316SS CF8M	SS	316SS CF8M	SS	SS316	SS	RPTFE R Lever L
	WCB A216	CS	304SS CF8	S4	SS304	S4	PEEK P Graphite G Graphite G Gear G
	LCB A352	LC			17-4PH	S7	Metal M Bare Stem N

Pressure & Temperature Chart


Most additional seating materials are available, consult factory

Ordering Example by Part Numbers

F60 Series	Carbon Steel Body	SS304 Ball	SS316 Stem	RPTFE Seat	Graphite Packing	Graphite Body Seal	Bare Stem
Model	Body Material	Ball Material	Stem Material	Seat Material	Stem Seal Material	Body Seal Material	Valve Operator
F60	CS	S4	SS	R	G	G	N

NOTE:

- A variety of Special Alloys as well as Special Seating materials are available.
- Sizes 8" thru 24" available in TM series of Trunnion Design, C/F
- Weatherproof gear operators are recommended for size 4" and larger valves.
- Consult factory for gear operator dimensions and information.



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Due to continuous development & improvement of our product range, we reserve the right to alter the dimensions and technical data included in this brochure