

**API 607 - 5th Edition  
CERTIFIED**



This high pressure series is designed with a high quality investment cast body. The seal welded ends offer high integrity pressure rating. Both Series F23 and F26 valves are NACE MR0175 and API-607 Firesafe tested for gas and oilfield service.

PEEK seats are offered as standard on this series. Series F23 is rated for 3600 psi; Series F26 is rated for 6000 psi.

F23 Series	
Valve Size	Valve Cv
1/4"	7
1/2"	15
3/4"	30
1" *	32
1-1/2"	120
2" *	120

\* F23 1" & 2" are reduced port

F26 Series	
Valve Size	Valve Cv
1/4"	7
3/8" *	7
1/2"	15
3/4"	30
1"	50
1-1/2"	120
2" *	120

\* F26 3/8" & 2" are reduced port



**Series F23** (3600 psi)  
**Series F26** (6000 psi)

**FIRESAFE**

**HIGH PRESSURE  
Seal-Welded  
2-Piece Design**

Sizes 1/4" - 2" (see dimensions chart for port sizes)

Available in 316SST & WCB

Threaded Ends Only

Seal Welded Ends

NACE MR0175

API 607 Firesafe Tested

Blowout Proof Stem

PEEK Seats Standard

Lockable Handle

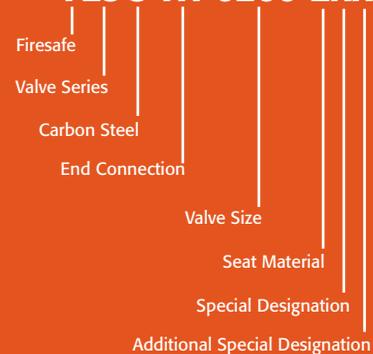
**STANDARDS**

DESIGN	ANSI/ASME B16.34
END CONNECTIONS	ASME B1.20.1
FIRE TESTING	API 607-5th Edition
SULFIDE STRESS PROTECTION	NACE MR0175
MATERIAL CERTIFICATION	EN 10204-3.1 MTR
QUALITY ASSURANCE	ISO 9001:2015

**HOW TO ORDER  
MANUAL VALVES**

SAMPLE PART #

**F23C-TH-0200-ZXX**



See part number matrix for itemized options

**SERIES F23 and F26 2-Piece Seal Welded**

**Firesafe**



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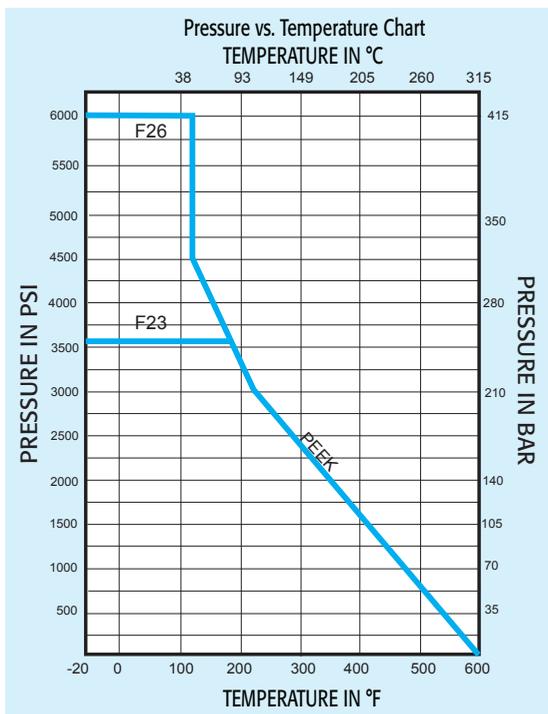
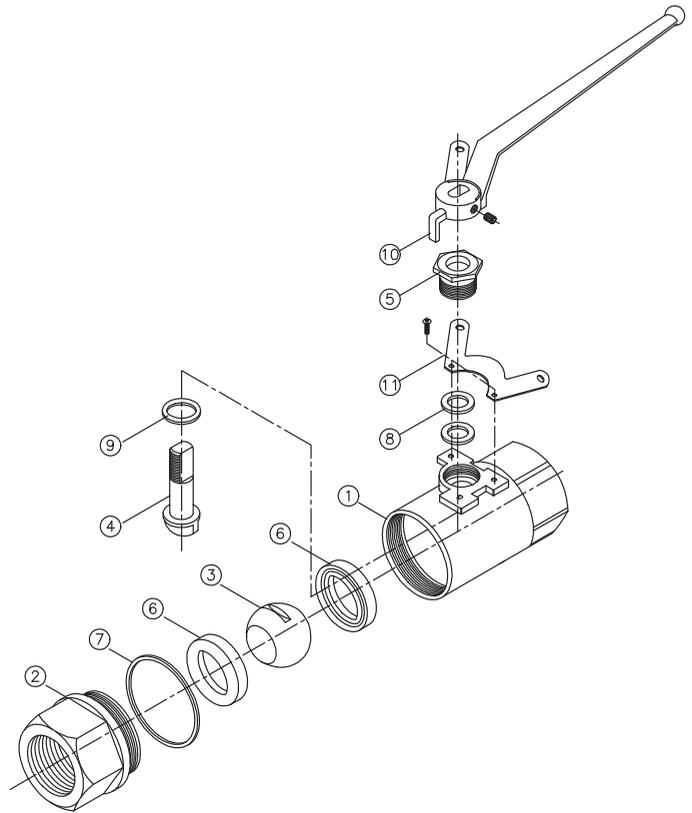
# Series F23 (3600 psi) Series F26 (6000 psi)

## 2-Piece Seal Welded Threaded Ball Valve

API 607 - 5th Edition  
CERTIFIED FIRESAFE

### MATERIALS LIST

NO.	PART NAME	STAINLESS STEEL	CARBON STEEL
1	BODY	ASTM A351 GRADE CF8M	ASTM A216 GRADE WCB
2	CAP	ASTM A351 GRADE CF8M	ASTM A216 GRADE WCB
3	BALL	17-4 PH	17-4 PH
4	STEM	17-4 PH	17-4 PH
5	GLAND NUT	AISI 304	AISI 304
6	SEAT	PEEK	PEEK
7	BODY SEAL	GRAPHITE	GRAPHITE
8	PACKING	GRAPHITE	GRAPHITE
9	THRUST WASHER	CTFE	CTFE
10	HANDLE	AISI 304	AISI 304
11	LOCKING PAD	AISI 304	AISI 304



### TORQUE TABLE (In-Lbs)

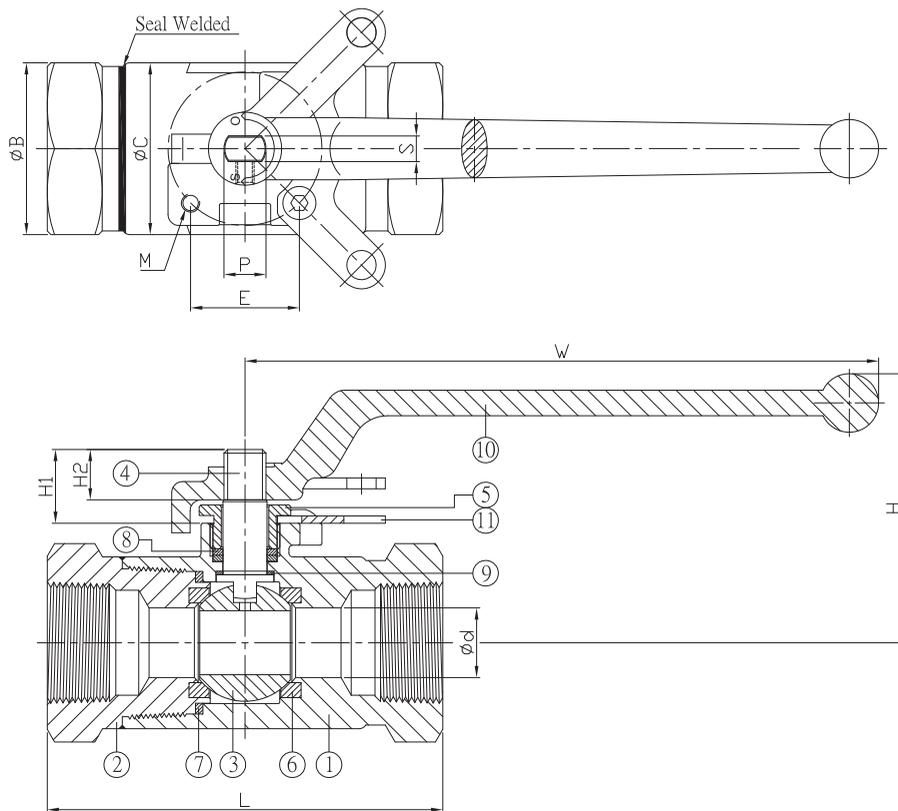
F23 Series			
SIZE	1000 PSI	2000 PSI	3000 PSI
1/4"	110	115	125
1/2"	110	115	125
3/4"	260	265	300
1"	275	285	350
1-1/2"	700	800	1050
2"	725	875	1100

F26 Series						
SIZE	1000 PSI	2000 PSI	3000 PSI	4000 PSI	5000 PSI	6000 PSI
1/4"	110	125	175	225	310	350
3/8"	110	125	175	225	310	350
1/2"	110	125	175	225	310	350
3/4"	260	265	300	375	400	500
1"	325	375	450	625	675	750
1-1/2"	650	655	900	1000	1200	1500
2"	700	725	1200	1200	1600	1900

**Series F23** (3600 psi)  
**Series F26** (6000 psi)

**2-Piece Seal Welded  
 Threaded Ball Valve**

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 CERTIFIED FIRESAFE**



**DIMENSIONS (IN)**

**F23 3600 PSI**

Size	Port	L	H	H1	H2	W	d	B	C	S	P	E	M*	ISO 5211	LBS
1/4"	Full	3.00	2.23	0.59	0.35	5.59	0.25	1.26	1.54	0.217	0.32	1.00	M5	F03	1.50
1/2"	Full	4.00	2.23	0.59	0.35	5.59	0.50	1.26	1.54	0.217	0.32	1.00	M5	F03	1.68
3/4"	Full	4.25	3.00	0.79	0.45	6.81	0.75	1.85	1.85	0.271	0.44	1.17	M5	F04	2.95
1"	Regular	4.25	3.00	0.79	0.45	6.81	0.75	1.85	1.85	0.271	0.44	1.17	M5	F04	2.76
1-1/2"	Full	5.28	4.61	1.16	0.81	9.74	1.50	3.03	3.39	0.389	0.64	1.95	M8	F07	10.82
2"	Regular	6.22	4.61	1.16	0.81	9.74	1.50	3.23	3.39	0.389	0.64	1.95	M8	F07	11.82

\* 3-hole mounting pad

**F26 6000 PSI**

Size	Port	L	H	H1	H2	W	d	B	C	S	P	E	M*	ISO 5211	LBS
1/4"	Full	3.00	2.23	0.59	0.35	5.59	0.25	1.26	1.54	0.217	0.32	1.00	M5	F03	1.50
3/8"	Regular	3.00	2.23	0.59	0.35	5.59	0.25	1.26	1.54	0.217	0.32	1.00	M5	F03	1.48
1/2"	Full	4.00	2.23	0.59	0.35	5.59	0.50	1.50	1.54	0.217	0.32	1.00	M5	F03	1.96
3/4"	Full	4.25	3.00	0.79	0.45	6.81	0.75	1.85	2.05	0.271	0.44	1.17	M5	F04	3.44
1"	Full	4.80	3.27	0.79	0.45	6.81	1.00	2.17	2.68	0.271	0.44	1.39	M6	F05	6.00
1-1/2"	Full	5.28	4.61	1.16	0.81	9.74	1.50	3.03	3.82	0.389	0.64	1.95	M8	F07	14.00
2"	Regular	6.22	4.61	1.16	0.81	9.74	1.50	3.62	3.82	0.389	0.64	1.95	M8	F07	16.34

\* 3-hole mounting pad

# Series F23 (3600 psi) Series F26 (6000 psi)

## 2-Piece Seal Welded Threaded Ball Valve

**API 607 - 5th Edition  
CERTIFIED FIRESAFE**

### HOW TO ORDER: Manual Valves with Options

1	Prefix
F	Firesafe

2	Valve Series
23	Seal-Welded 2-Piece Design 3000 psi
26	Seal-Welded 2-Piece Design 6000 psi

3	Body/Ball/Stem
Blank	Valve Series Standard (316SST)
C	Carbon Steel Body

4	End Connection
TH	NPT Ends

5	Valve Size
0025	1/4"
0038	3/8"
0050	1/2"
0075	3/4"
0100	1"
0150	1-1/2"
0200	2"

6	Seat, Lining & Trim Material
Z	PEEK Seats (Required 17-4 PH® Stem)

7	Operator Options
X	No Specials/Series Standard Handle

8	Additional Specials
X	No Specials, Series Standard

9	Special Designation
A	17-4 PH® Stem

HOW TO ORDER MANUAL VALVES										
1	2	3	-	4	-	5	6	7	8	9
↓	↓	↓		↓		↓	↓	↓	↓	↓
<b>F 23 _ - TH - 0100 - Z X X - A</b>										

### HOW TO ORDER: Automated Valves with Options

1	Prefix
F	Firesafe (see valve series for details & testing)

2	Valve Series
23	Seal-Welded 2-Piece Design 3000 psi
26	Seal-Welded 2-Piece Design 6000 psi

3	Body/Ball/Stem Material
Blank	Valve Series Standard (316SST)
C	Carbon Steel Body

4	End Connection
T	NPT Ends

5	Seat, Lining & Trim Material
Z	PEEK Seats (Required 17-4 PH® Stem)

6	Valve Size
025	1/4"      100    1"
038	3/8"      125    1-1/4"
050	1/2"      150    1-1/2"
075	3/4"      200    2"

7 (A) Pneumatic Actuator - 3R, 3N, 3P Series			
3RC	3R10	3RM	3R850
3RD	3R20	3RN	3R1000
3RE	3R40	3RP	3R1200
3RF	3R80	3RR	3R1750
3RG	3R130	3RS	3R2400
3RH	3R200	3RT	3R2500
3RJ	3R300	3RU	3R2700
3RK	3R500	3RV	3R3300
3RL	3R700	3RW	3R3500

3R=Standard, 3N=Electroless Nickel Plating,  
3P=Teflon™ (PTFE) Coating

7 (A) Pneumatic Actuator - S2 Series			
S2C	S2-052	S2G	S2-125
S2D	S2-063	S2H	S2-140
S2E	S2-083	S2J	S2-160
S2F	S2-105	S2K	S2-210

7 (B) Pneumatic Action	
D	Double Acting (DA)
S	Spring CW (5 springs)*
O	Spring CCW (5 springs)*
4	Spring CW (4 springs)**
F	Spring CCW (4 springs)**

\*2500 & 3500 80 psig spring  
\*\*2500 & 3500 60 psig spring

7 Actuator - Electric (On-Off)			
WEX1	WE-350	WEG1	WE-5200
WEA1	WE-500	WEH1	WE-6900
WEB1	WE-690	WEJ1	WE-10500
WEC1	WE-1350	WEK1	WE-17500
WED1	WE-1700	WEL1	WE-25900
WEE1	WE-2640	WEM1	WE-53000
WEF1	WE-4400	WEN1	WE-80000

7 Actuator - Electric (Modulating)			
WEA2	WEM-500	WEH2	WEM-6900
WEB2	WEM-690	WEJ2	WEM-10500
WEC2	WEM-1350	WEK2	WEM-17500
WED2	WEM-1700	WEL2	WEM-25900
WEE2	WEM-2640	WEM2	WEM-53000
WEF2	WEM-4400	WEN2	WEM-80000
WEG2	WEM-5200		

### OPTIONS:

8	Accessories/Options	Model no.
X	No Specials	
A	TYPE 4 Solenoid 120VAC	TVCS-X411-4N-A120
B	TYPE 7 Solenoid 120VAC	TVCS-X411-7N-A120
C	Intrinsically Safe Solenoid	TVIS-X411-4N-D24
D	TYPE 4 Solenoid 24VDC	TVCS-X411-4N-D24
F	TYPE 7 Solenoid 24VDC	TVCS-X411-7N-D24
Q	TYPE 4 SST Solenoid 120VAC	TVSS-X411-4N-A120
M	TYPE 7 SST Solenoid 120VAC	TVSS-X411-7N-A120
L	TYPE 4 SST Solenoid 24VDC	TVSS-X411-4N-D24
N	TYPE 7 SST Solenoid 24VDC	TVSS-X411-7N-D24
P	Pneumatic Positioner	PPR-1200
E	Electro-Pneumatic Positioner	EPR-1000
R	24VDC Electric Actuator	
S	220VAC Electric Actuator	
T	Other Voltage Electric Actuator	
W	12VDC Electric Actuator	
Y	24VAC Electric Actuator	

\*No voltage specified on electric assemblies denotes 120VAC

9	Accessories	Model no.
X	No Specials	
A	TYPE 4 Limit Switch	APL-210N
B	TYPE 7 Limit Switch	APL-510N
C	Intrinsically Safe Limit Switch	APL-218N
Q	TYPE 4 SST Limit Switch	APL-910N
M	TYPE 7 SST Limit Switch	APL-510S
H	NEMA 4 Std. Enc.	APL-310N
1	HS1 High Speed Electric	
2	HS2 High Speed Electric	

10	Special Designation
A	17-4 PH® Stem
F	Viton® Seal for Pneumatic Actuators (0°F to 300°F)

Viton® is a registered trademark of E. I. DuPont de Nemours.

HOW TO ORDER AUTOMATED VALVES													
1	2	3	-	4	5	-	6	/	7	-	8	9	10
↓	↓	↓		↓	↓		↓		↓		↓	↓	↓
<b>F 23 _ - T Z - 050 / 3RES - X X - A</b>													



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