

610F

Class 125, Non Rising Stem, Gate Valve

SUBMITTAL SHEET

"Apollo" Valves



Job Name:	
Job Location:	
Engineer:	
Contractor:	
Tag:	
PO#:	
Rep:	
Wholesale Dist.:	

DESCRIPTION

The Apollo International™ Model 610F Flanged Cast Iron Gate Valve provides full flow capabilities. The Model 610F Gate Valve can be reliably installed in plumbing and heating systems (or building service piping).

FEATURES

- Compatible with ANSI 125# & 150# Flanges
- Full Port
- Bronze Mounted Seat Rings/Trim
- Solid Wedge
- Adjustable Graphite Stem Packing
- Non-Rising Stem
- Flanged Connection
- Bolted Bonnet
- Rugged Iron Hand Wheel
- Back Seat Protection

PERFORMANCE RATING

- Saturated Steam:
 - 125 psi (8.6 Bar) at 353°F (2"-12")
 - 100 psi (6.9 Bar) at 338°F (14"-24")
- Cold Working Pressure:
 - 200 psi (13.8 Bar) at 100°F (2"-12")
 - 150 psi (10.3 Bar) at 100°F (14"-24")
- Temperature Range: -20°F to 406°F Max

APPROVALS

- MSS SP-70 - Gray Iron Gate Valves Flanged and Threaded - Type 1
- ASME B16.10 - Face-to-Face and End-to-End Dimensions of Valves

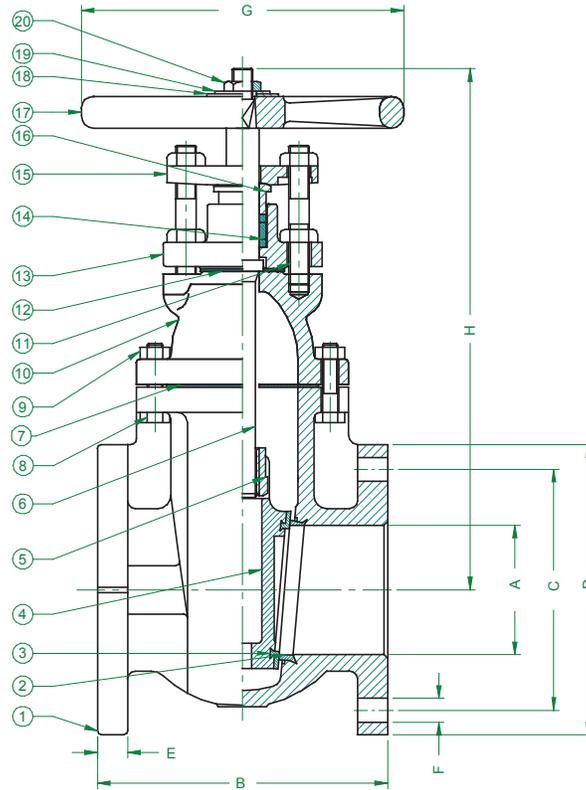
STANDARD MATERIALS LIST

1	BODY	Cast Iron (ASTM A 126 CL B)
2	SEAT RINGS	Cast Bronze (ASTM B62)
3	WEDGE FACE RINGS	Cast Bronze (ASTM B62)
4	WEDGE	Cast Bronze (ASTM B62)
5	WEDGE NUT	Cast Bronze (ASTM B62)
6	STEM	Brass (ASTM B16)
7	BODY GASKET	Graphite (Asbestos Free)
8	BOLTS	Carbon Steel (ASTM A307 B)
9	NUTS	Carbon Steel (ASTM A307 B)
10	BONNET	Cast Iron (ASTM A 126 CL B)
11	GLAND FOLLOWER BOLTS	Carbon Steel (ASTM A307 B)
12	STUFFING BOX GASKETS	Graphite (Asbestos Free)
13	STUFFING BOX	Cast Iron (ASTM A 126 CL B)
14	PACKING	Graphite (Asbestos Free)
15	GLAND FOLLOWER	Ductile Iron (ASTM A536 65-45-12)
16	PACKING GLAND	Cast Bronze (ASTM B584)
17	HANDWHEEL	Cast Iron (ASTM A 126 CL B)
18	NAMEPLATE	Aluminum
19	WASHER	Carbon Steel (ASTM A307 B)
20	HANDWHEEL NUT	Ductile Iron (ASTM A536 65-45-12)

PART NUMBER MATRIX

Size (in.)	Part Number
2"	6GA108B1
2-1/2"	6GA109B1
3"	6GA100B1
4"	6GA10AB1
5"	6GA10BB1
6"	6GA10CB1
8"	6GA10EB1
10"	6GA10GB1
12"	6GA10HB1
14"	6GA10JB1
16"	6GA10KB1
18"	6GA10MB1
20"	6GA10NB1
24"	6GA10PB1

* The lead free version of this valve is a running change. Contact customer support for availability.



Size (in.)	Dimensions (in.)								Wt. (lbs.)	Cv (Typ)
	A	B	C	D	E	F	G	H (Open)		
2"	2.00	7.00	4.75	6.00	0.62	0.75	7	14.57	36	328
2.5"	2.50	7.50	5.50	7.00	0.69	0.75	7	16.34	48	482
3"	3.00"	8.00	6.00	7.50	0.75	0.75	8	18.90	59	744
4"	4.00	9.00	7.50	9.00	0.94	0.75	10	20.67	104	1,316
5"	5.00	10.00	8.50	10.00	0.94	0.88	12	24.61	150	2,130
6"	6.00	10.50	9.50	11.00	1.00	0.88	12	28.74	192	3,176
8"	8.00	11.50	11.75	13.50	1.12	0.88	14	32.48	260	5,692
10"	10.00	13.00	14.25	16.00	1.19	1.00	16	37.40	434	8,972
12"	12.00	14.00	17.00	19.00	1.25	1.00	18	43.31	606	13,352
14"	14.00	15.00	18.75	21.00	1.38	1.14	20	37.01	926	16,278
16"	16.00	16.00	21.25	23.50	1.44	1.14	22	42.52	1,098	21,564
18"	18.00	17.00	22.75	25.00	1.56	1.26	24	46.46	1,543	28,716
20"	20.00	18.00	25.00	27.50	1.69	1.26	25	54.33	1,638	35,762
24"	24.00	20.00	29.50	32.00	1.88	1.38	25	57.48	2,756	52,166

Cv = GPM @1 psi pressure drop, 60°F water

*Cv values are estimates only