



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

#### DESCRIPTION

The **Apollo International™ Model 610F-LFA Flanged Cast Iron Gate Valve** provides full flow capabilities. The Model 610F-LF Gate Valve can be reliably installed in plumbing and heating systems (or building service piping). Valves are MSS SP-70 compliant and include NSF lead free certifications.

#### 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
- FDA Food Grade Epoxy Powder Coat Finish

#### STANDARDS

- 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

#### APPROVALS

- NSF/ANSI 61 Water Quality
- NSF/ANSI 372 Lead Free

#### PERFORMANCE RATING

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

#### STANDARD MATERIALS LIST

1	Body	Cast Iron (ASTM A 126 CL B)	11	Gland Follower Bolts	Carbon Steel (ASTM A307 B)
2	Seat Rings	Cast Lead Free Bronze	12	Stuffing Box Gaskets	Graphite
3	Wedge Face Rings	Cast Lead Free Bronze	13	Stuffing Box	Cast Iron (ASTM A 126 CL B)
4	Wedge	Cast Lead Free Bronze	14	Packing	PTFE
5	Wedge Nut	Cast Lead Free Bronze	15	Gland Follower	Ductile Iron (ASTM A536 65-45-12)
6	Stem	Cast Lead Free Bronze	16	Packing Gland	Cast Lead Free Bronze
7	Body Gasket	Graphite	17	Handwheel	Cast Iron (ASTM A 126 CL B)
8	Bolts	Carbon Steel (ASTM A307 B)	18	Nameplate	Aluminum
9	Nuts	Carbon Steel (ASTM A307 B)	19	Washer	Carbon Steel (ASTM A307 B)
10	Bonnet	Cast Iron (ASTM A 126 CL B)	20	Handwheel Nut	Ductile Iron (ASTM A536 65-45-12)

#### DIMENSIONS

PART NUMBER	SIZE (IN.)	DIMENSIONS (IN.)								WT. (LB.)	CV (TYP)
		A	B	C	D	E	F	G	H (OPEN)		
6GA108B1LFA	2"	2.00	7.00	4.75	6.00	0.62	0.75	7	14.57	36	328
6GA109B1LFA	2.5"	2.50	7.50	5.50	7.00	0.69	0.75	7	16.34	48	482
6GA100B1LFA	3"	3.00	8.00	6.00	7.50	0.75	0.75	8	18.90	59	744
6GA10AB1LFA	4"	4.00	9.00	7.50	9.00	0.94	0.75	10	20.67	104	1,316
6GA10BB1LFA	5"	5.00	10.00	8.50	10.00	0.94	0.88	12	24.61	150	2,130
6GA10CB1LFA	6"	6.00	10.50	9.50	11.00	1.00	0.88	12	28.74	192	3,176
6GA10EB1LFA	8"	8.00	11.50	11.75	13.50	1.12	0.88	14	32.48	260	5,692
6GA10GB1LFA	10"	10.00	13.00	14.25	16.00	1.19	1.00	16	37.40	434	8,972
6GA10HB1LFA	12"	12.00	14.00	17.00	19.00	1.25	1.00	18	43.31	606	13,352
6GA10JB1LFA	14"	14.00	15.00	18.75	21.00	1.38	1.14	20	37.01	926	16,278
6GA10KB1LFA	16"	16.00	16.00	21.25	23.50	1.44	1.14	22	42.52	1,098	21,564
6GA10MB1LFA	18"	18.00	17.00	22.75	25.00	1.56	1.26	24	46.46	1,543	28,716
6GA10NB1LFA	20"	20.00	18.00	25.00	27.50	1.69	1.26	25	54.33	1,638	35,762
6GA10PB1LFA	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

\*\*LFA models replace LF models

\*LEAD FREE: The wetted surfaces of this product shall contain no more than 0.25% lead by weighted average. Complies with Federal Public Law 111-380. ANSI 3rd party approved and listed.

