

# IRON GATE VALVES

## 610F SERIES *Apollo International*



### FEATURES:

Compatible with ANSI 125# & 150# Flanges  
Full Port  
Bronze Mounted Seat Rings  
Solid Wedge  
Adjustable Graphite Stem Packing  
Non-Rising Stem  
Bolted Bonnet  
Back Seat Protection

### STANDARDS:

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

### PERFORMANCE RATING:

**Saturated Steam:**  
125 psi (8.6 Bar) to 353°F (178°C) (2"-12")  
100 psi (6.9 Bar) to 338°F (170°C) (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

### MATERIALS:

**Body, Bonnet & Wedge:** ASTM A126 CL-B, CI  
**Stem:** ASTM B16  
**Packing & Gasket:** Graphoil

## 620F SERIES *Apollo International*



### FEATURES:

Compatible with ANSI 250# & 300# Flanges  
Full Port  
Bronze Mounted Seat Rings  
Solid Wedge  
Adjustable Graphite Stem Packing  
Non-Rising Stem  
Flanged Connection  
Bolted Bonnet  
Rugged Iron Hand Wheel  
Back Seat Protection

### STANDARDS:

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

### PERFORMANCE RATING:

**Saturated Steam:** 250 psi (17.2 Bar) to 406°F (207°C)  
**Cold Working Pressure:** 500 psi (34.5 Bar) at 100°F  
**Temperature Range:** -20°F to 406°F

### MATERIALS:

**Body, Bonnet & Wedge:** ASTM A126 CL-B, CI  
**Stem:** ASTM B16  
**Packing & Gasket:** Graphoil

All dimensions are in inches and pounds.

### Class 125 FLANGED GATE VALVE

Part Number	NPS	Length	Height	Weight
6GA-108-B1	2	7.00	14.57	36.0
6GA-109-B1	2 1/2	7.50	16.34	48.0
6GA-100-B1	3	8.00	18.90	59.0
6GA-10A-B1	4	9.00	20.67	104.0
6GA-10B-B1	5	10.00	24.61	150.0
6GA-10C-B1	6	10.50	28.74	192.0
6GA-10E-B1	8	11.50	32.48	260.0
6GA-10G-B1	10	13.00	37.40	434.0
6GA-10H-B1	12	14.00	43.31	606.0
6GA-10J-B1	14	15.00	37.01	926.0
6GA-10K-B1	16	16.00	42.52	1098.0
6GA-10M-B1	18	17.00	46.46	1543.0
6GA-10N-B1	20	18.00	54.33	1638.0
6GA-10P-B1	24	20.00	57.48	2756.0

Length is measured from end to end.  
Height is measured from centerline to top of wheel in full open position.  
For Flow Coefficients (C<sub>v</sub>) see page 17.

*NOTE: Flat face mating flanges and full face gaskets must be installed to avoid damage to the cast iron body.*

All dimensions are in inches and pounds.

### Class 250 FLANGED GATE VALVE

Part Number	NPS	Length	Height	Weight
6GA-208-B1	2	8.50	11.28	42.0
6GA-209-B1	2 1/2	9.50	12.72	55.0
6GA-200-B1	3	11.00	13.31	66.0
6GA-20A-B1	4	12.00	16.18	115.0
6GA-20C-B1	6	16.00	22.00	205.0
6GA-20E-B1	8	16.50	25.59	278.0
6GA-20G-B1	10	18.00	30.31	456.0
6GA-20H-B1	12	19.75	33.90	633.0

Length is measured from end to end.  
Height is measured from centerline to top of wheel in full open position.  
For Flow Coefficients (C<sub>v</sub>) see page 17.

*NOTE: Class 250 flanges and flanged fittings have a 0.06 inch raised face in accordance with MSS SP-6.*