

# IRON GATE VALVES

## 611F SERIES *Apollo International*



### FEATURES:

Compatible with ANSI 125# & 150# Flanges  
Full Port  
Bronze Mounted Seat Rings  
Solid Wedge  
Adjustable Graphite Stem Packing  
Outside Screw and Yoke  
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

All dimensions are in inches and pounds.

### Class 125 FLANGED GATE VALVE

Part Number	NPS	Length	Height	Weight
6GA-118-B1	2	7.00	14.96	38.0
6GA-119-B1	2 1/2	7.50	16.93	51.0
6GA-110-B1	3	8.00	19.09	62.0
6GA-11A-B1	4	9.00	24.21	110.0
6GA-11B-B1	5	10.00	27.56	154.0
6GA-11C-B1	6	10.50	32.87	203.0
6GA-11E-B1	8	11.50	37.76	284.0
6GA-11G-B1	10	13.00	48.03	459.0
6GA-11H-B1	12	14.00	56.50	637.0
6GA-11J-B1	14	15.00	65.16	966.0
6GA-11K-B1	16	16.00	71.85	1135.0
6GA-11M-B1	18	17.00	79.53	1753.0
6GA-11N-B1	20	18.00	90.16	2238.0
6GA-11P-B1	24	20.00	132.28	3197.0

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.*

## 621F SERIES *Apollo International*



### FEATURES:

Compatible with ANSI 250# & 300# Flanges  
Full Port  
Bronze Mounted Seat Rings  
Solid Wedge  
Adjustable Graphite Stem Packing  
Outside Screw and Yoke  
Flanged Connection  
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:** 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 250 FLANGED GATE VALVE

Part Number	NPS	Length	Height	Weight
6GA-218-B1	2	8.50	14.96	44.0
6GA-219-B1	2 1/2	9.50	16.93	57.0
6GA-210-B1	3	11.12	19.09	71.0
6GA-21A-B1	4	12.00	24.21	121.0
6GA-21B-B1	5	15.00	27.56	165.0
6GA-21C-B1	6	15.88	32.87	216.0
6GA-21E-B1	8	16.50	39.76	302.0
6GA-21G-B1	10	18.00	48.03	481.0
6GA-21H-B1	12	19.75	56.50	642.0

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.*