



CRANE

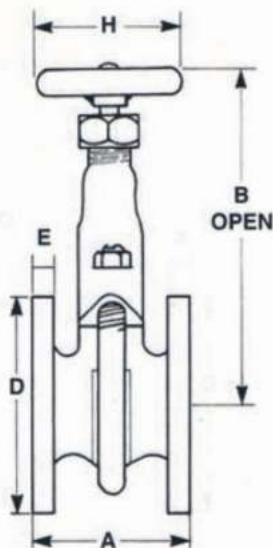
Class 125

F175

Bronze trim

F183

All iron



Malleable Iron Gate Valves

Flanged ANSI B16.1

**CLAMP PATTERN • WEDGE DISK
RISING STEM INSIDE SCREW**

PRESSURE/TEMPERATURE RATINGS

Temperature (°C)	-10 to 65	100	120	140	150	160	180	200	220	230
Pressure (bar)	13.8	12.7	12.1	11.6	11.4	10.8	10.3	9.8	8.9	8.6

Temperature (°F)	0 to 150	200	250	300	350	400	450
Pressure (lbf/in ²)	200	190	175	165	150	140	125

TESTING

Each valve tested to BS 5150.

Size	Shell test (incl. back seat)	Seat test
All	24.0 bar Hydrostatic	16.0 bar Hydrostatic

SPECIFICATION

F175 Bronze trim - Sizes 25 to 100mm (1 to 4 inch) - Flanged ANSI Class 125.

F183 All iron - Sizes 25 to 100mm (1 to 4 inch) - Flanged ANSI Class 125.

Valves are manufactured generally in accordance with BS 5150. End flanges conform to BS 1560 Section 3.2 Class 125. Flanges have flat face and are normally supplied drilled. Valves detailed on this page are identified in metric terms. Equivalent ratings in imperial units are stated below.

Sizes 1 to 2 inch - 200 lbf/in² CWP - 150 lbf/in² at 366°F.

Sizes 2½ and 4 inch - 175 lbf/in² CWP - 125 lbf/in² at 353°F.

TRIM MATERIALS

Part	F175	F183
Disk	Bronze	Malleable iron
Body seat rings	Manganese bronze	Integral
Stem	Brass	Mild steel, nickel plated

Material specification references and details of materials for shell and other components are given on pages 8 to 11.

DIMENSIONS AND WEIGHTS

Size mm	A mm	B mm	D mm	E mm	H mm	Wt kg
25	81	188	108	8	70	2.7
40	95	253	127	9	92	4.5
50	108	295	152	11	103	7.0
65	125	328	178	13	120	10.3
80	129	390	190	13	152	14.5
100	172	502	229	16	229	28.5

SPECIFICATION ADDITIONS AND VARIATIONS

Air seat test at 6.9 bar

Flanges undrilled

Special packing