

Ductile iron gate valve

BS EN 1171:2002 PN16, flanged to EN1092-2 PN16

SIZES

Range	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300
Code	BR 510	BR 511	BR 512	BR 513	BR 514	BR 515	BR 516	BR 517	BR 518

DIMENSIONS (mm)

Range	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300
A	178	190	203	229	254	267	292	330	356
B	260	285	310	350	400	445	600	720	830
Weight kg	16.10	19.12	22.14	28.00	35.00	43.00	86.00	147.00	209

FLOW RATES (m³/h)

Kv	230.00	360.00	519.00	923.00	1443.00	2077.00	3693.00	5771.00	8310.00
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*Kv - flow rate in m³ per hour at a pressure drop of 1 bar.

VALVE SUITABILITY

Steam	Water	Oil	Air	Gas Inert	Gas Combustible	Gas Corrosive	Gas Oxygen
✗	✓	✗	✗	✗	✗	✗	✗

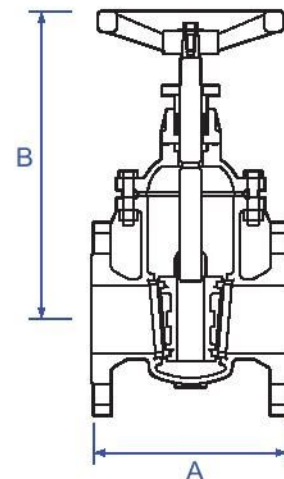
MATERIAL SPECIFICATION

Component	Material
Body	Ductile iron
Body seat ring	Gunmetal
Bonnet	Ductile iron
Bonnet gasket	EPDM
Stem	Stainless steel
Wedge	Ductile iron
Wedge trim	Gunmetal
Wedge nut	Gunmetal
Gland flange	Ductile iron
Gland	Ductile iron
Gland packing	Graphite non asbestos
Stuffing box	Ductile iron
Stuffing box gasket	Compressed graphite
Handwheel	Ductile iron

PRESSURE AND TEMPERATURE RATINGS

Size	Maximum Working Pressure (bar)		Test Pressure (bar)	
	Temperature 120°C	Temperature 230°C	Shell	Seat
DN65 to DN200	16bar	11.8bar	24	17.6
Size	Maximum Working Pressure (psi)		Test Pressure (psi)	
	Temperature 248°F	Temperature 446°F	Shell	Seat
DN65 to DN200	232.1psi	171.1psi	348.1	253.8

Temperature range - 10°C + 230°C (non shock)



PRESSURE & TEMPERATURE RATINGS

