

FLANGED METAL GATE VALVE

TECHNICAL PASSPORT

FLANGED PN16 WITH RISING STEM GATE VALVE WITH SHORT PATTERN

V 4242

APPLICATION

Disconnection of flow in fluid transfer networks.

Area of use: Industrial installation, central heating, air conditioning, water transfer networks, water supply, irrigation, sugar factory, mines, fire system, etc.



Fluids: water, mineralized water, discharges.

GENERAL CHARACTERISTICS

Range: from DN 40 to DN400.
Full bore, erasure of the wedge in the fully open position.
Low pressure drop.
Excellent tightness guaranteed by attached brass seats.
Brass sealing ring on the wedge.
Packing gland on the stem.
Operated by handwheel with rising stem.



STANDARDS

Connection	Flanged connection according to EN 1092-2 et ISO 7005-2 : ISO PN16.
Face to face	Face to face in accordance with EN 558-1 série 14 and DN3202 F4 short pattern.
Essais	Pressure test according to standards EN12266-1 and ISO 5208. - Body : 24 bar - Seat : 17.6 bar

PRODUCT APPROVALS

ERC

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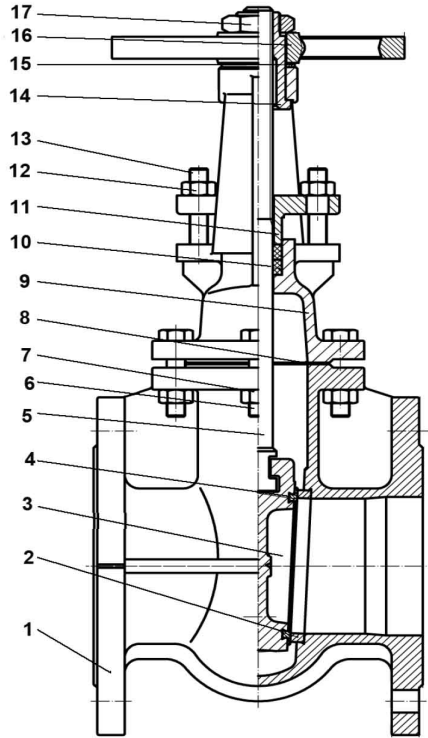
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CONSTRUCTION

Component	Coating
Body & bonnet	Epoxy liquid RAL 5015 100 microns
Handwheel	Epoxy RAL 5015 80 microns



Pos.	Description	Material	Equivalences		
			DIN	ASTM	BS
1	Body	Ductile iron EN-GJS-500-7	GGG 50 / DIN1693	ASTM 80-55-06	QT500-7
2	Seat	Cast brass	G-CuZn37Pb / DIN17656		ZCuZn40Pb2
3	Wedge	Ductile iron EN-GJS-500-7	GGG 50 / DIN1693	ASTM 80-55-06	QT500-7
4	Wedge seat ring	Cast brass	G-CuZn37Pb / DIN17656		ZCuZn40Pb2
5	Stem	Stainless steel	X20Cr13 / DIN17440		2Cr13
6	Bolt	Steel	RSt37-2 / DIN 17100		Q235
7	Nut	Steel	RSt37-2 / DIN 17100		Q235
8	Bonnet gasket	Graphite			LC35-999
9	Bonnet	Ductile iron EN-GJS-500-7	GGG 50 / DIN1693	ASTM 80-55-06	QT500-7
10	Packing	Graphite			LC35-999
11	Glang follower	Ductile iron EN-GJS-500-7	GGG 50 / DIN1693	ASTM 80-55-06	QT500-7
12	Nut	Steel	RSt37-2 / DIN 17100		Q235
13	Bolt	Steel	RSt37-2 / DIN 17100		Q235
14	Stem nut	Cast brass	G-CuZn37Pb / DIN17656		ZCuZn40Pb2
15	Handwheel gasket	Cast brass	G-CuZn37Pb / DIN17656		ZCuZn40Pb2
16	Handwheel	Cast iron EN-GJL-250	GG 25 / DIN1691	ASTM 35B	HT250
17	handwheel nut	Ductile iron EN-GJS-500-7	GGG 50 / DIN1693	ASTM 80-55-06	QT500-7

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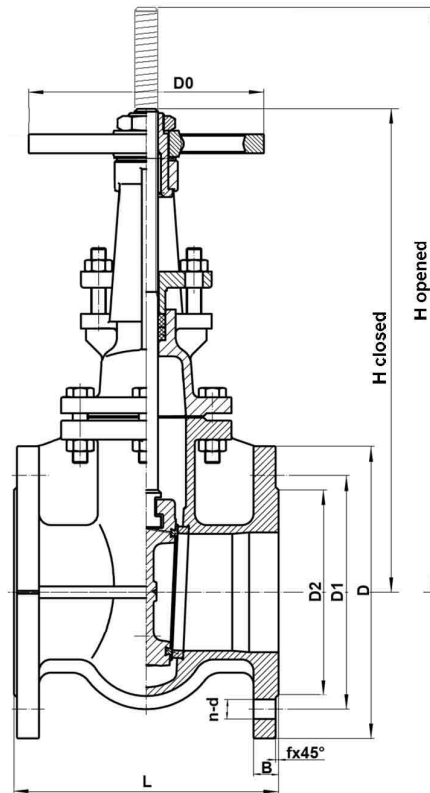


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DIMENSIONS



DN		L	Ø D	ØD1	ØD2	ØD0	H Closed	H Opened	n-d	B	f	Weight (kg)
mm	inch											
40	1"1/2	140	150	110	84	160	244	295	4-Ø19	16	2	9.8
50	2"	150	165	125	99	160	254	315	4-Ø19	16	2	11.9
65	2"1/2	170	185	145	118	160	294	371	4-Ø19	16	2	13.1
80	3"	180	200	160	132	160	331	424	8-Ø19	17	2	17.2
100	4"	190	220	180	156	200	385	500	8-Ø19	17	2	23.2
125	5"	200	250	210	184	200	457	598	8-Ø19	18	3	34.2
150	6"	210	285	240	211	250	545	711	8-Ø23	20	3	44.4
200	8"	230	340	295	266	250	683	901	8-Ø23	21	3	77.5
250	10"	250	405	355	319	320	1134	1508	12-Ø23	23	3	110
300	12"	270	460	410	370	320	1286	1715	12-Ø23	24	4	155
350	14"	290	520	470	429	400	1463	1945	16-Ø23	26.5	4	245
400	16"	310	580	525	480	400	1603	2141	16-Ø28	28	4	324

WORKING CONDITIONS

Maximum working pressure : 16 bar
 Maximum working temperature : + 180°C

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