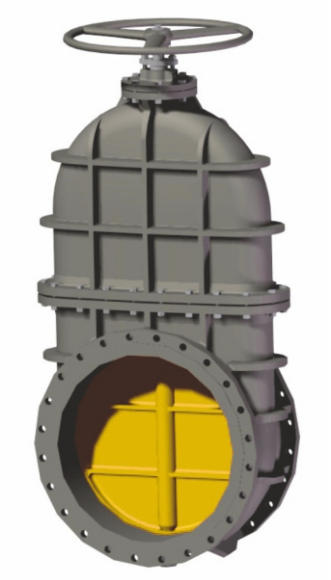


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FLAT WEDGE GATE VALVE zGAT



body material	max. working pressure PS*	nominal diameter	max. temperature	ex.index
A grey cast iron	K PS 1,0 bar L PS 1,6 bar M PS 2,5 bar N PS 4,0 bar	DN 400-1400	120°C	019
B nodular cast iron				

*** depending on DN**

FEATURES

- face-to-face length according to PN EN 558:2008 FTF N.14
- flanges with faying surfaces (type B) are drilled according to PN EN 1092-2: for gate valves DN 700 - 1000 are drilled on PN10; for gate valves DN 1200 - 1400 are drilled on PN2,5.
- wheel for hand operation can be assembled directly on gate valve or on extension stem (type for extension stem) depending on building place of gate valve
- electric drive can be assembled directly on gate valve or on extension stem depending on building place of gate valve
- gate valve with handwheel can be adapted for electric drive on client's request

APPLICATION

- water
- air
- not dangerous liquids and other gases
- liquids group 1with temperature up to 120°C and pressure PS (see table page 3)

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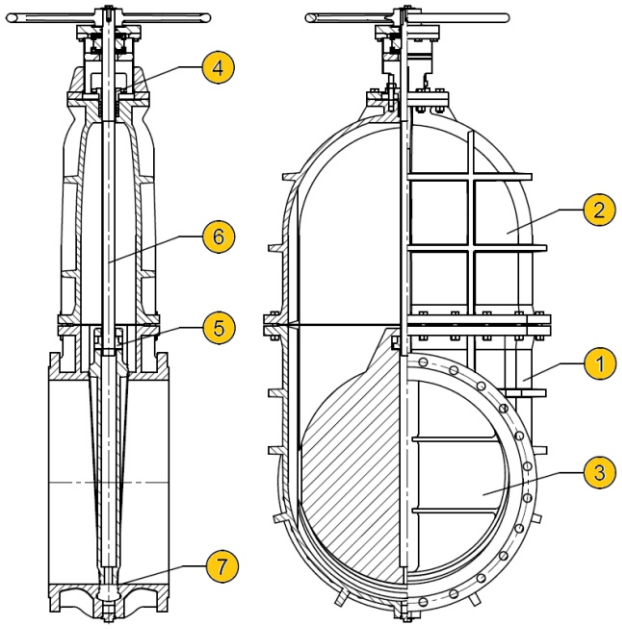


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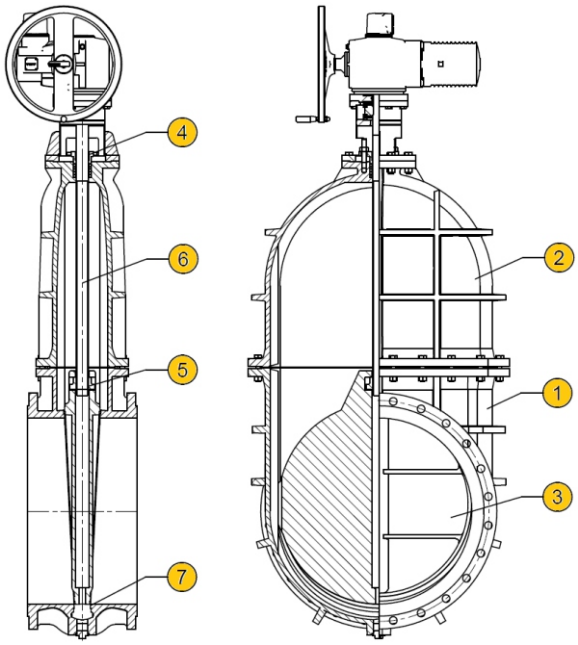
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MATERIAL

type 51, 53, 61, 63



type 55, 57, 65, 67



	body material	A	B	A	B
	type	**61, 63, 65, 67**		**51, 53, 55, 57**	
1	body	EN-GJL-250 5.1301	EN-GJS-400-15 5.3106	EN-GJL-250 5.1301	EN-GJS-400-15 5.3106
2	bonnet	EN-GJL-250 5.1301	EN-GJS-400-15 5.3106	EN-GJL-250 5.1301	EN-GJS-400-15 5.3106
3	wedge	EN-GJL-250 5.1301	EN-GJS-400-15 5.3106	EN-GJL-250 5.1301	EN-GJS-400-15 5.3106
4	gland box	EN-GJL-250/S235JR 5.1301/1.0037			
5	stem nut	CuZn39Pb2/ EN-GJL-500-7 2.0380/ 5.3200		CuAl10Fe3Mn2/ EN-GJL-500-7 2.0936/ 5.3200	
6	stem	X20Cr13 1.4021			
7	seat rings	CuZn39Pb2 2.0380		EN-GJL-250 5.1301	EN-GJS-400-15 5.3106
	max. temperature	120°C			

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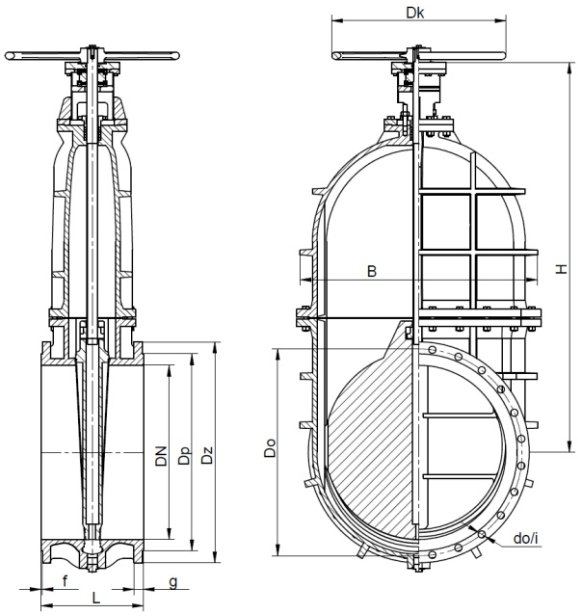


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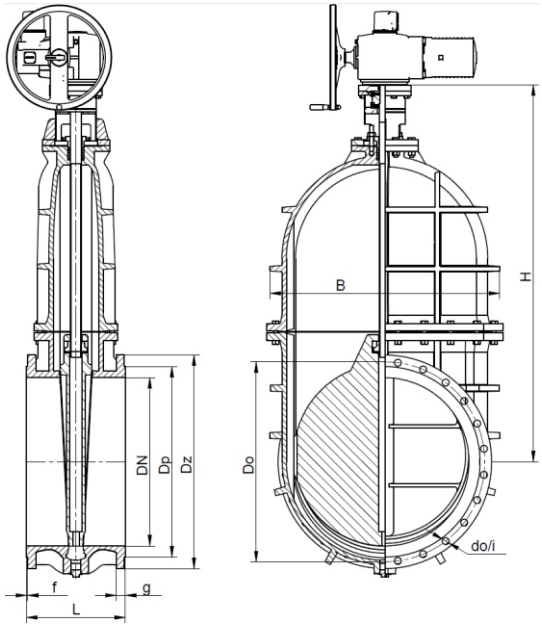
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DIMENSIONS

type 51, 53, 61, 63



type 55, 57, 65, 67



body material A, B						type 51, 53, 55, 57, 61, 63, 65, 67								51, 53, 61, 63
DN	L	H	D_z	D_0	d_0/i	D_p	f	g	B	D_k	Torque	Qty. of turns	PS*	
	mm										Nm		bar	kg
400	310	1010	565	515	28/16	480	4	32	597	400	200	62	4,0	264,0
500	350	1150	670	620	28/20	582	4	34	733	400	250	71	4,0	405,0
600	390	1315	780	725	31/20	682	5	36	860	400	300	91	2,5	716,0
800	470	1792	1015	950	33/24	905	5	44	1122	800	470	100	1,6	1280,0
1000	550	2180	1230	1160	36/28	1110	5	50	1322	800	800	125	1,0	2135,0
1200	630	2507	1375	1320	30/32	1280	5	40	1570	1000	1060	120	1,0	3400,0
1400	710	2880	1575	1520	30/36	1480	5	44	1796	1000	1710	140	1,0	5000,0

* max working pressure

NOTE:
1.On client's request – gate valves applied for water or other not dangerous liquids (SEP category), can be executed on PS 2,5 bar(g), in whole diameters range DN, without conformance with PN-EN 1171.
2.Gate valve made from nodular cast iron DN 400 ÷ 500, applied for water and other not dangerous liquids, can be executed on PS 10 bar(g), without conformance with PN-EN 1171.
In both case execution of gate valves will be confirmed according to producer's technical specifications: WTWiO No 2/2007

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TYPES

figure	body material	nominal diameter DN	nominal pressure PN	type
019	A grey cast iron EN-GJL-250	400-500 mm	N 4 bar	51 • type without bypass with handwheel • seat cast iron/ cast iron — Tmax 120 °C
				61 • type without bypass with handwheel • seat brass/brass — Tmax 120 °C
				53 • type without bypass with handwheel on extension stem • seat cast iron/ cast iron — Tmax 120 °C
				63 • type without bypass with handwheel on extension stem • seat brass/brass — Tmax 120 °C
				55 • type without bypass, under electric actuator • seat cast iron/ cast iron — Tmax 120 °C
				65 • type without bypass, under electric actuator • seat brass/brass — Tmax 120 °C
				57 • type without bypass, under electric actuator, on extension stem • seat cast iron/ cast iron — Tmax 120 °C
				67 • type without bypass, under electric actuator, on extension stem • seat brass/brass — Tmax 120 °C
		600 mm	M 2,5 bar	51, 61, 53, 63, 55, 65, 57, 67 — Tmax 120 °C
		800 mm	L 1,6 bar	51, 61, 53, 63, 55, 65, 57, 67 — Tmax 120 °C
		1000-1400 mm	K 1,0 bar	51, 61, 53, 63, 55, 65, 57, 67 — Tmax 120 °C
	B nodular cast iron EN-GJS-400-15	400-500 mm	N 4 bar	51, 61, 53, 63, 55, 65, 57, 67 — Tmax 120 °C
		600 mm	M 2,5 bar	51, 61, 53, 63, 55, 65, 57, 67 — Tmax 120 °C
		800 mm	L 1,6 bar	51, 61, 53, 63, 55, 65, 57, 67 — Tmax 120 °C
		1000-1400 mm	K 1,0 bar	51, 61, 53, 63, 55, 65, 57, 67 — Tmax 120 °C

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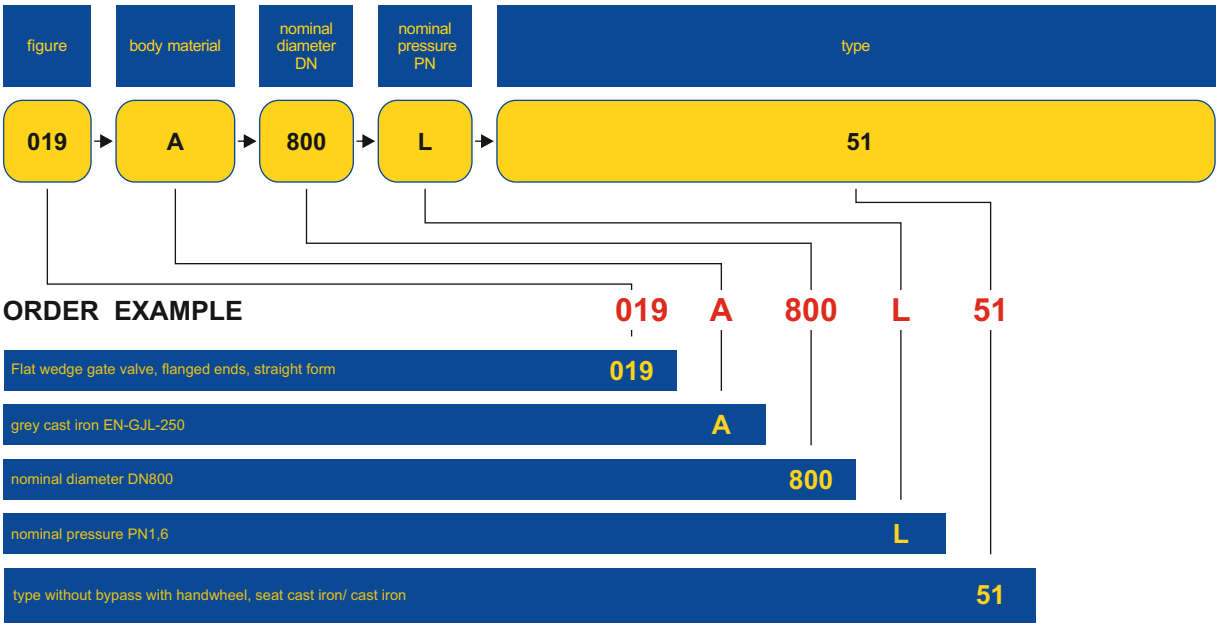


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ORDERING

To place an order please use our product number (index)



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