



figure

021

ends
formflanged
straight

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	021
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 B1) 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 PN 2,5
- 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 has root as well as stem with thread outside of body
- 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 1 with temperature up to 120°C and pressure PS (see table page 3)

Data given can be changed without notice.

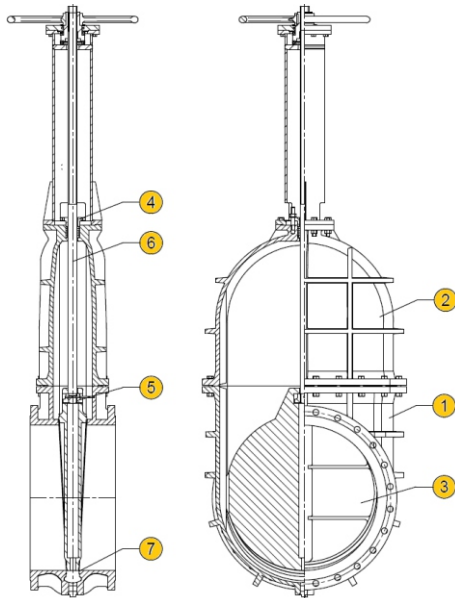
Edition 6/2016



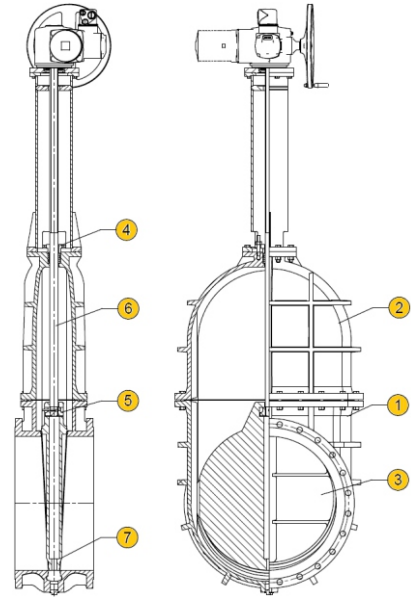
figure	021
ends form	flanged straight

MATERIALS

type 51, 53, 61, 63



type 55, 57, 65, 67



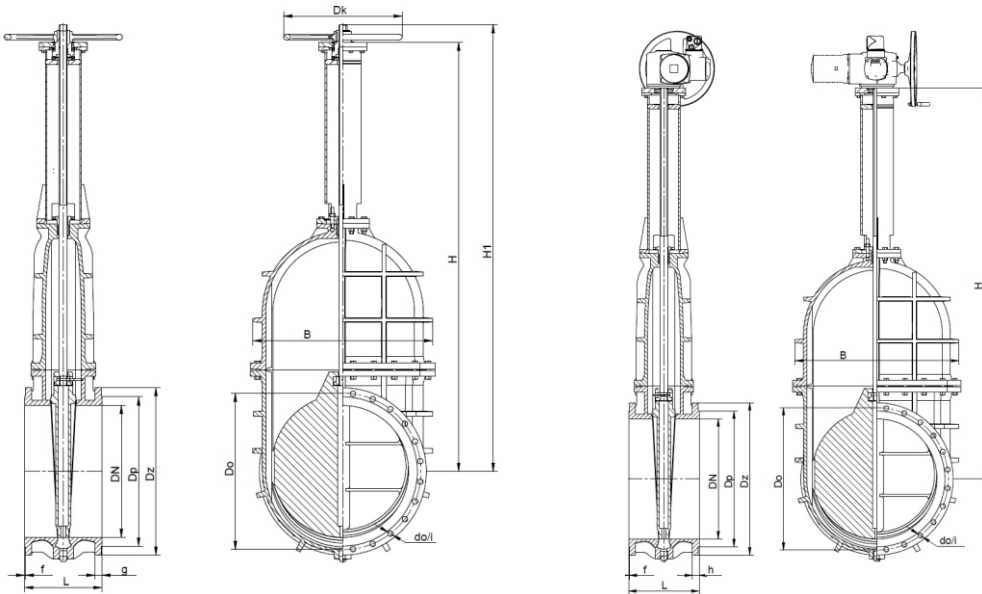
	body material	A	B	A	B
	type	61, 63, 65, 67		51, 53, 55, 57	
1	body	EN-GJL-250 5.1301	EN-GJS-400-15 5.3106	EN-GJL-250 5.1301	EN-GJS-400-15 5.3106
2	bonnet	EN-GJL-250 5.1301	EN-GJS-400-15 5.3106	EN-GJL-250 5.1301	EN-GJS-400-15 5.3106
3	wedge	EN-GJL-250 5.1301	EN-GJS-400-15 5.3106	EN-GJL-250 5.1301	EN-GJS-400-15 5.3106
4	gland box	EN-GJL-250/ S275JR 5.1301/ 1.0037			
5	stem nut	EN-GJS-500-7/ S275JR 5.1301/1.0037			
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			



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	H ₁	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	1270	1715	565	515	28/16	480	4	32	597	400	200	62	4,0	276,0	
500	350	1635	2185	670	620	28/20	582	4	34	733	400	250	71	4,0	430,0	
600	390	1885	2545	780	725	31/20	682	5	36	860	400	300	91	2,5	620,0	
800	470	2600	3438	1015	950	33/24	905	5	44	1122	800	470	100	1,6	1360,0	
1000	550	3095	4145	1230	1160	36/28	1110	5	50	1322	1000	800	125	1,0	2235,0	
1200	630	3730	5000	1375	1320	30/32	1280	5	40	1570	1000	1060	120	1,0	3620,0	
1400	710	4325	5845	1575	1520	30/36	1480	5	44	1796	1000	1710	140	1,0	5760,0	

* max working pressure

NOTE:

- 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.
 - 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 valve will be confirmed according to producer's technical specifications: WTWiO No 2/2007



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	<ul style="list-style-type: none"> 51 Tmax 120 °C • type without bypass with handwheel • seat cast iron/ cast iron 												
				<ul style="list-style-type: none"> 61 Tmax 120 °C • type without bypass with handwheel • seat brass/brass 												
				<ul style="list-style-type: none"> 53 Tmax 120 °C • type without bypass with handwheel on extension stem • seat cast iron/ cast iron 												
				<ul style="list-style-type: none"> 63 Tmax 120 °C • type without bypass with handwheel on extension stem • seat brass/brass 												
				<ul style="list-style-type: none"> 55 Tmax 120 °C • type without bypass, under electric actuator • seat cast iron/ cast iron 												
				<ul style="list-style-type: none"> 65 Tmax 120 °C • type without bypass, under electric actuator • seat brass/brass 												
				<ul style="list-style-type: none"> 57 Tmax 120 °C • type without bypass, under electric actuator, on extension stem • seat cast iron/ cast iron 												
				<ul style="list-style-type: none"> 67 Tmax 120 °C • type without bypass, under electric actuator, extension stem • seat brass/brass 												
				<ul style="list-style-type: none"> 51, 61, 53, 63, 55, 65, 57, 67 Tmax 120 °C 												
	B nodular cast iron EN-GJS-400-15	600 mm	M 2,5 bar	<ul style="list-style-type: none"> 51, 61, 53, 63, 55, 65, 57, 67 Tmax 120 °C 												
				800 mm	L 1,6 bar	<ul style="list-style-type: none"> 51, 61, 53, 63, 55, 65, 57, 67 Tmax 120 °C 										
						1000-1400 mm	K 1,0 bar	<ul style="list-style-type: none"> 51, 61, 53, 63, 55, 65, 57, 67 Tmax 120 °C 								
								400-500 mm	N 4 bar	<ul style="list-style-type: none"> 51, 61, 53, 63, 55, 65, 57, 67 Tmax 120 °C 						
										600 mm	M 2,5 bar	<ul style="list-style-type: none"> 51, 61, 53, 63, 55, 65, 57, 67 Tmax 120 °C 				
												800 mm	L 1,6 bar	<ul style="list-style-type: none"> 51, 61, 53, 63, 55, 65, 57, 67 Tmax 120 °C 		
														1000-1400 mm	K 1,0 bar	<ul style="list-style-type: none"> 51, 61, 53, 63, 55, 65, 57, 67 Tmax 120 °C



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ORDERING

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ORDER EXAMPLE

