

GATE VALVE

WITH RISING STEM

TYPE ZO16

CHARACTERISTIC:

Diameter	-	50 -600 mm;
Pressure	-	16 bar;
Temperature	-	up to 530°C;
Medium	-	water, steam and other non-toxic, non-aggressive media

VERSIONS:

type / body material / drive type / others

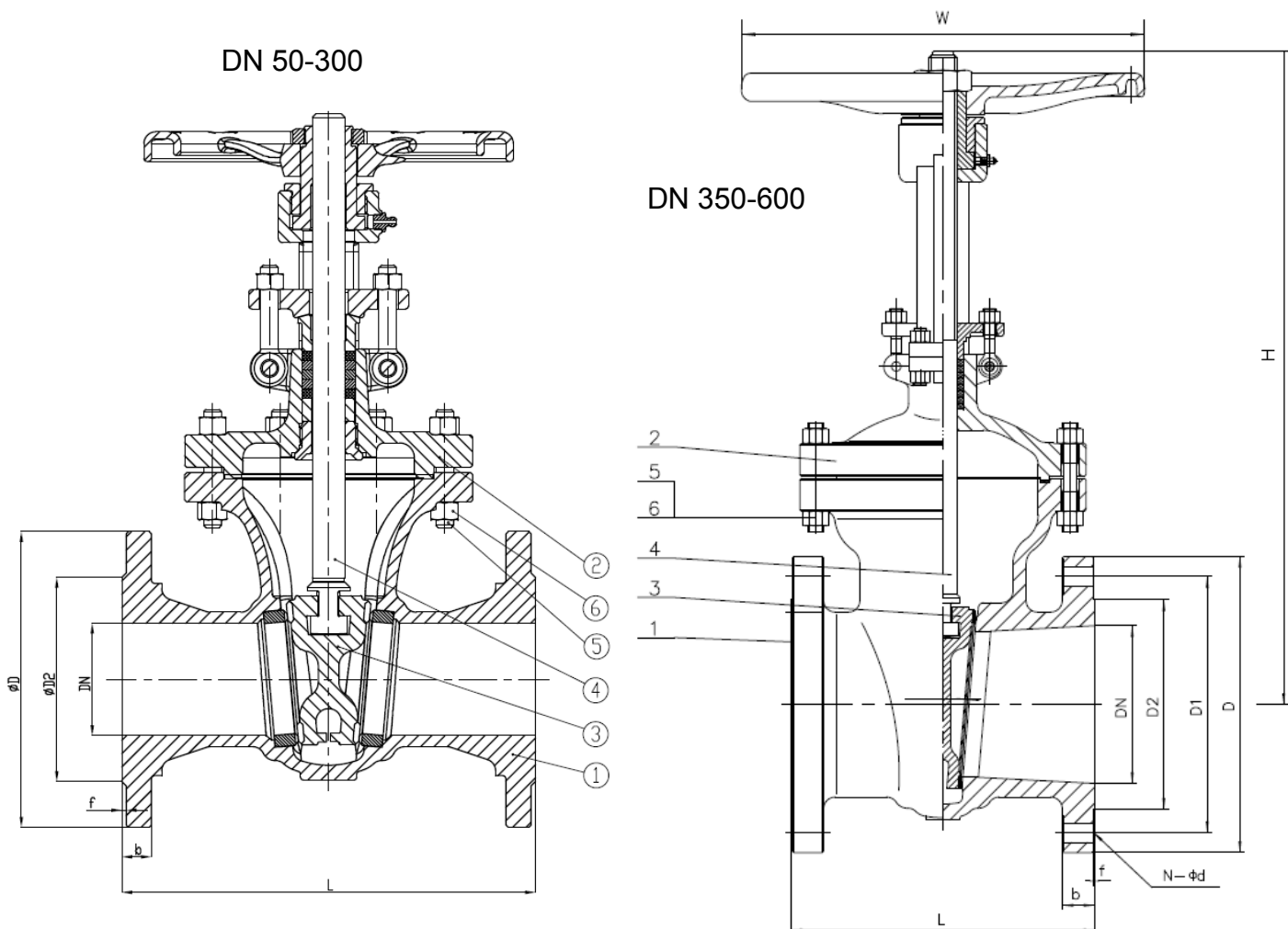
Example: ZO16 / --- / --- / ---

Example: ZO16 / A / NA / ---

Body material	Sign	Drive type	Sign	Other	Sign
1.0619	---	Hand wheel	---		
A217 WC6	A	Electric actuator	NA		
		Pneumatic actuator	NP		

APPLICATION:

Gate valve is designed to open and stop the flow. The gate valve can be mounted to a pipeline in any position. It should operate in a close or open position. The gate valve should not be used as a flow regulating device!



WK[®]

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MATERIALS:

Versions Parts	Standard	A
	T _{MAX} 450°C	T _{MAX} 530°C
Body + overaly	1.0619 + 13Cr	A217 WC6 + Stellite
Bonnet	1.0619	A217 WC6
Wedge + overaly	1.0619 + 13Cr	A217 WC6+ Stellite
Stem	A182 F6a	A182 F6a
Bonnet bolt	A193 B7	A193 B16
Bonnet nut	A194 2H	A194 4
Packing rings	Graphit	Graphit
Wheel	Steel	Steel

DIMENSIONS:

Flanged											
DN	H(open)	H(close)	ØD	ØD1	ØD2	N - Ød	L	b	f	W	Weight
50	385	320	165	125	102	4-Ø18	250	18	3	200	21
65	430	350	185	145	122	8-Ø18	270	18	3	250	31
80	475	380	200	160	138	8-Ø18	280	20	3	250	38
100	585	465	220	180	158	8-Ø18	300	20	3	300	50
125	670	525	250	210	188	8-Ø18	325	22	3	300	70
150	780	610	285	240	212	8-Ø22	350	22	3	300	90
200	975	750	340	295	268	12-Ø22	400	24	3	350	140
250	1170	895	405	355	320	12-Ø26	450	26	3	400	210
300	1380	1050	460	410	378	12-Ø26	500	28	4	450	300
350	1620	1250	520	470	438	16-Ø26	550	30	4	550	350
400	1845	1425	580	525	490	16-Ø30	600	32	4	600	485
450	2055	1582	640	585	550	20-Ø30	650	40	4	650	620
500	2180	1660	715	650	610	20-Ø33	700	44	4	650	850
600	2540	1920	840	770	725	20-Ø36	800	54	5	800	1250

TECHNICAL DATA:

Body material	PN	Maximal working pressure at working temperature																
		20°C	100°C	150°C	200°C	250°C	300°C	350°C	400°C	450°C	480°C	500°C	510°C	520°C	530°C	540°C	550°C	560°C
1.0619	16	16	14,7	14	12,5	11,8	10,7	10	9,2	5,0	-	-	-	-	-	-	-	-
A217 WC6	16	16,0	16,0	16,0	15,0	14,4	13,8	12,9	12,0	11,4	10,1	7,0	6,3	5,5	4,8	-	-	-

MOUNTING AND OPERATING:

The gate can only be mounted and operated by skilled, properly trained and qualified personnel. Incorrect assembly or operation of the gate may have substantial impact on the entire system such as fluid leakage, reduction in system's function etc.

Before a gate is installed the pipeline must be clean from any mechanical impurities. The compatibility of critical parameters of the flow must be checked with the parameters of the gate. Gate can be mounted to a pipe-line in any position. The direction of the flow should only comply with the arrow marked on the body. The valve should be operated strictly with its assign. In order to provide gate's reliability the following suggestions must be observed:

- medium flowing through the gate is supposed to be clean out of any mechanical impurities;
- the valve must be protected from any mechanical damages during its work;
- nominal parameters marked on the valve must be observed