

GATE VALVE WITH RISING STEM TYPE ZO25

CHARACTERISTIC:

Diameter	-	50 -600 mm;
Pressure	-	25 bar;
Temperature	-	up to 530°C;
Medium	-	water, steam and other non-toxic, non-aggressive media

VERSIONS:

type / body material / drive type / others

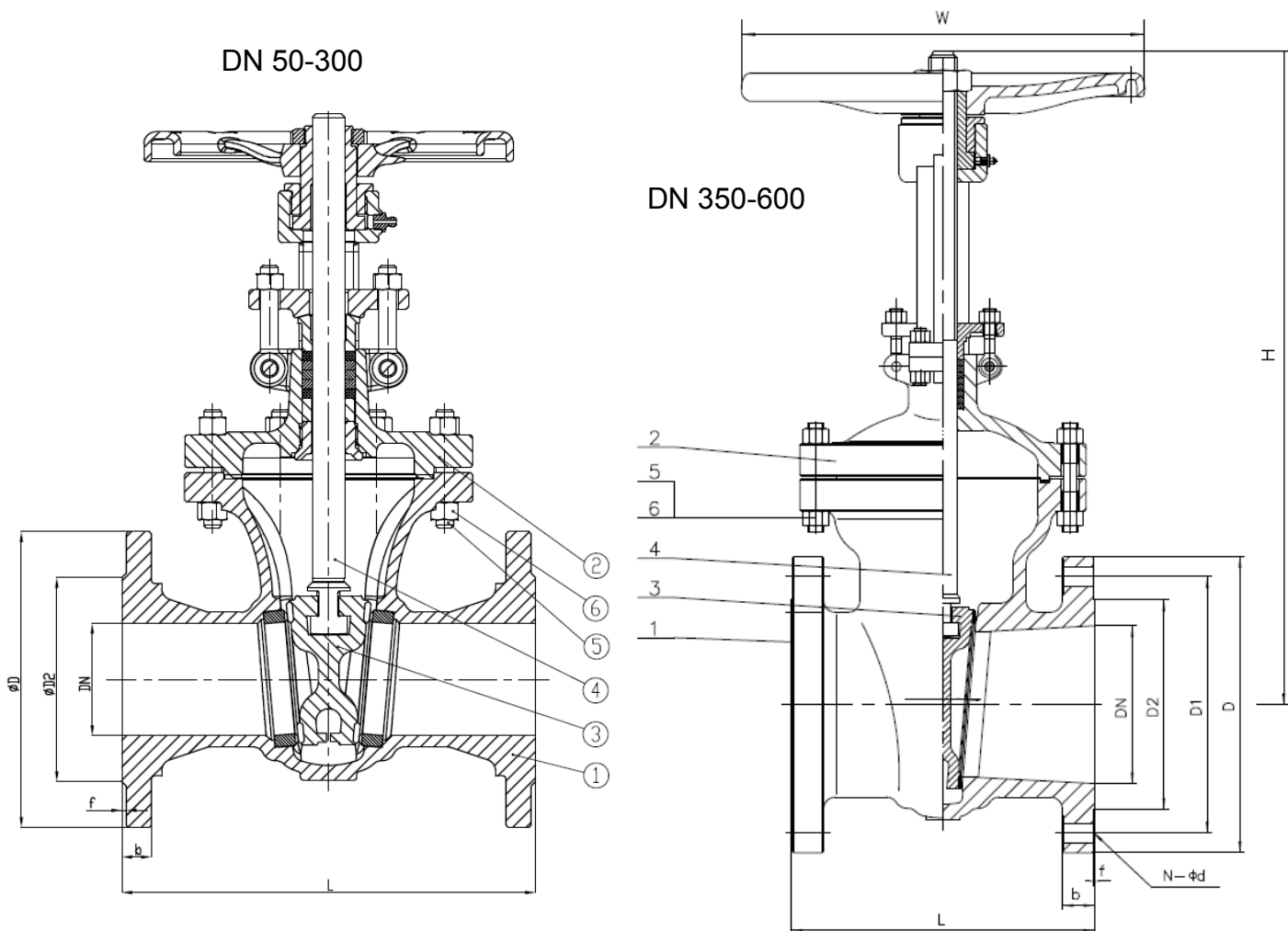
Example: ZO25 / --- / --- / ---

Example: ZO25 / 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!



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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	20	3	200	21
65	435	350	185	145	122	8-Ø18	270	22	3	250	32
80	475	380	200	160	138	8-Ø18	280	24	3	250	40
100	585	465	235	190	162	8-Ø22	300	24	3	300	60
125	670	525	270	220	188	8-Ø26	325	26	3	300	75
150	780	610	300	250	218	8-Ø26	350	28	3	300	99
200	975	750	360	310	278	12-Ø26	400	30	3	350	165
250	1170	895	425	370	335	12-Ø30	450	32	3	400	245
300	1380	1050	485	430	395	16-Ø30	500	34	4	450	350
350	1620	1250	555	490	450	16-Ø33	550	38	4	550	410
400	1845	1425	620	550	505	16-Ø36	600	40	4	600	560
450	2055	1582	670	600	555	20-Ø36	650	46	4	650	650
500	2180	1660	730	660	615	20-Ø36	700	48	4	650	970
600	2540	1920	845	770	720	20-Ø39	800	58	5	800	1320

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
		bar																
1.0619	25	25	20	18	16	15	14	13	12	8	-	-	-	-	-	-	-	
A217 WC6	25	25	25	25	24	23	22	20	19	18	16	11	10	9	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