GATE VALVE
WITH RISING STEM
TYPE ZO40

CHARACTERISTIC:

Diameter	-	50 -500 mm;
Pressure	-	40 bar;
Temperature	-	up to 530°C;
Medium	-	water, steam and other non-toxic, non-aggressive media

VERSIONS:

type / body material / drive type / others

Example: ZO40 / --- / --- / ---

Body material	Sign
1.0619	---

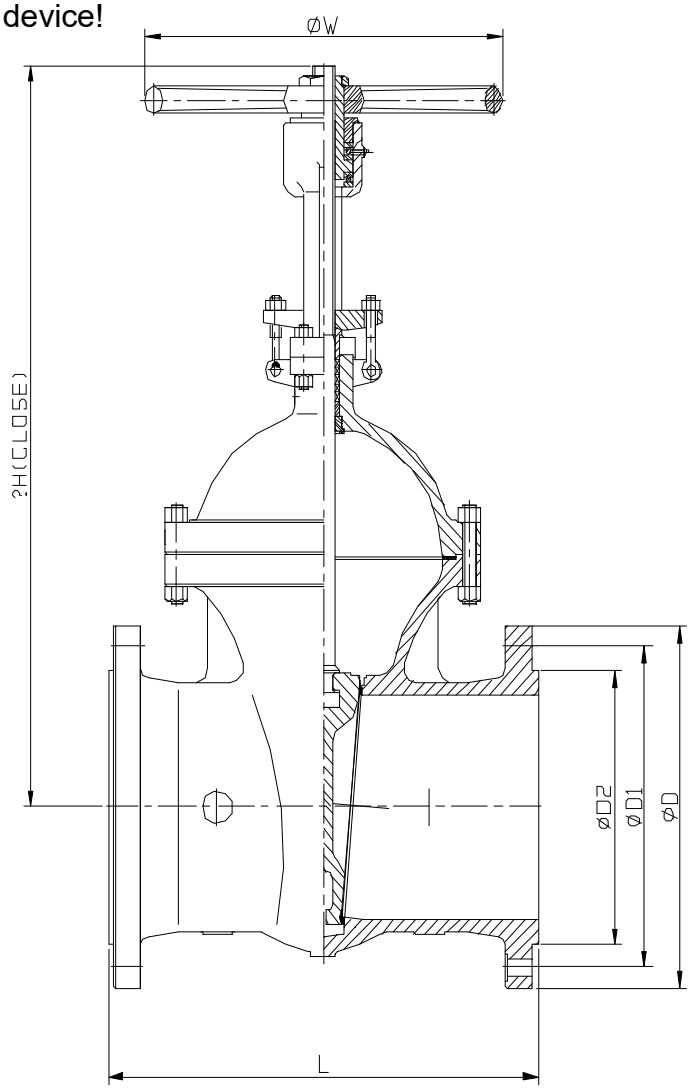
Drive type	Sign
Hand wheel	---
Electric actuator	NA
Pneumatic actuator	NP

Other	Sign

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!

DN 50-500



Alnab Armatur AB
Ögärdesvägen 4B
SE-433 30 Partille

Tel +46-31 449450
Email alnab@alnab.se
Web www.alnab.se

556312-9716

MATERIALS:

Versions	Standard
Parts	**T_{MAX} 450^{O}C**
Body	1.0619 (GP240GH)
Overlay	1.0460+Stellit (P250GH+St)
Bonnet	1.0619 (GP240GH)
Wedge + overlay	1.0619 + 13Cr (GP240GH+13%Cr)
Stem	1.4021 (X20Cr13)
Bonnet bolt	1.7218 (25CrMo4)
Bonnet nut	1.1181 (C35E)
Packing rings	Grafit
Wheel	QT400-1B

DIMENSIONS:

Flanged											
DN	**H(open)**	**H(close)**	**ØD**	**ØD1**	**ØD2**	**N - Ød**	**L**	**b**	**f**	**W**	**Weight**
50	385	335	165	125	102	4-Ø18	250	20	3	200	21
65	430	365	185	145	122	8-Ø18	290	22	3	250	31
80	475	400	200	160	138	8-Ø18	280	24	3	250	38
100	585	480	235	190	162	8-Ø22	350	24	3	300	50
125	670	555	270	220	188	8-Ø26	400	26	3	300	70
150	780	630	300	250	218	8-Ø26	450	28	3	300	90
200	975	770	375	320	285	12-Ø30	550	34	3	400	140
250	1170	935	450	385	345	12-Ø33	650	38	3	450	210
300	1380	1080	515	450	410	16-Ø33	750	42	4	500	300
350	1635	1270	580	510	465	16-Ø36	850	46	4	640	620
400	1900	1480	660	585	535	16-Ø39	950	50	4	680	860
500	2225	1710	755	670	615	20-Ø42	1150	57	4	760	1350

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	**40**	40,0	31,0	28,9	26,0	24,0	21,8	20,0	19,5	12,4	-	-	-	-	-	-	-	-

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

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