GATE VALVE
TYPE ZST400

CHARACTERISTIC:

Diameter	-	50 -500 mm;
Pressure	-	400 bar;
Temperature	-	up to 600°C;
Medium	-	water, steam and other non-toxic, non-aggressive media

VERSIONS:

type / body material / drive type / others

Example: ZST400 / --- / --- / ---

Example: ZST400 / A / NA / ---

Body material	Sign
(P250GH) C 22.8	---
16Mo3	U
13CrMo4-5	A
11CrMo9-10	B
14MoV6-3	C

Drive type	Sign
Hand wheel	---
AUMA drive	NA
NWA drive	NW
MODACT drive	NM
Pneumatic drive	NP

Others	Sign
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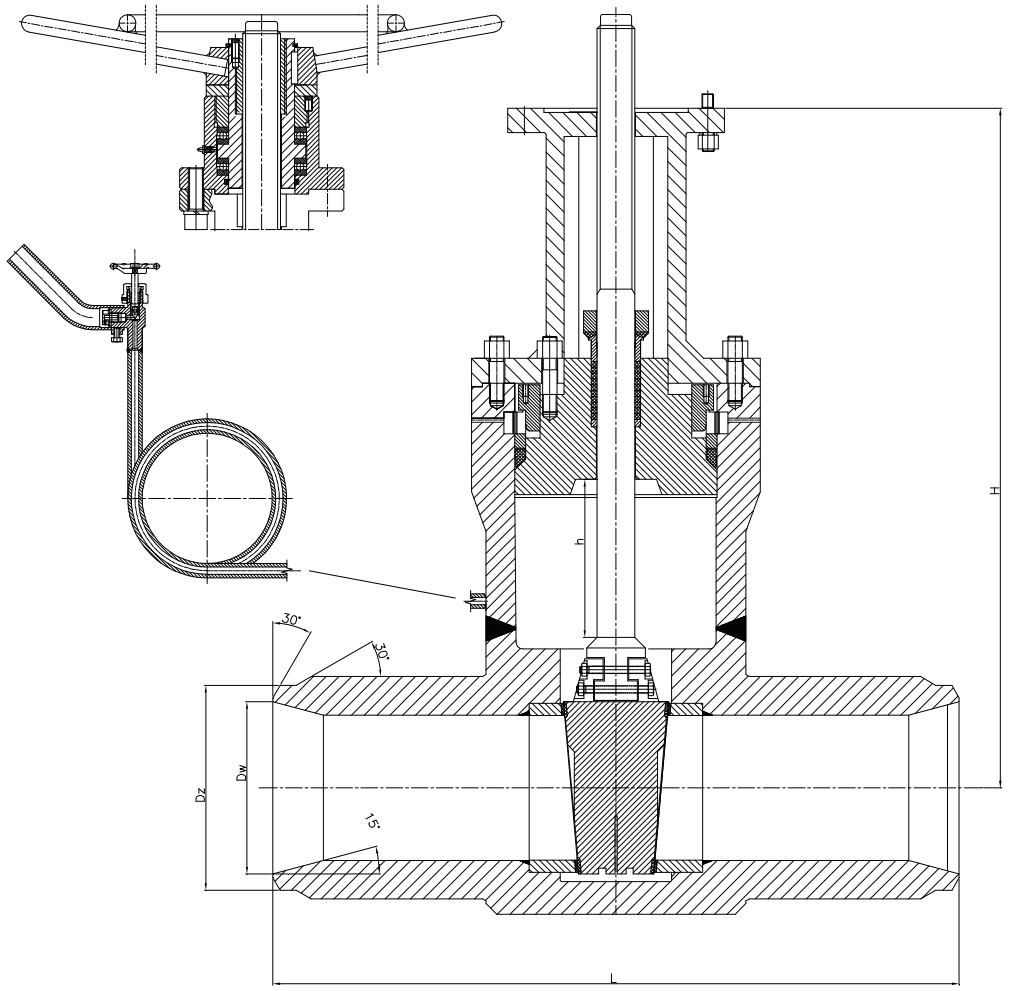
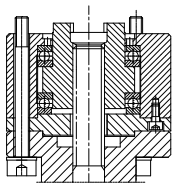
APPLICATION:

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.





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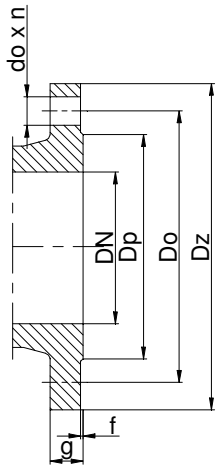

LRQA CERTIFIED ISO 9001

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MATERIALS:

Versions	Standard	U	A	B	C
Parts	**T_{MAX} 450°C**	**T_{MAX} 530°C**	**T_{MAX} 560°C**	**T_{MAX} 600°C**	**T_{MAX} 570°C**
Body, bonnet	(P250GH) C22.8 (1.0460)	16Mo3 (1.5415)	13CrMo4-5 (1.7335)	11CrMo9-10 (1.7383)	14MoV6-3 (1.7715)
Wedge	11CrMo9-10 (1.7383)	11CrMo9-10 (1.7383)	11CrMo9-10 (1.7383)	11CrMo9-10 (1.7383)	11CrMo9-10 (1.7383)
Stem	BT9				
Seat ring	Stellit				
Wedge ring	Stellit				
Packing rings	Grafit				
Wheel	Steel				

Special materials on request; modifications reserved.

DIMENSIONS:

DN	Dz	Dw	L	H	h	Dk	Weight
50	77	49,5	350	400	65	350	49,50
65	91	62	425	400	78	350	77,00
80	117	81	470	435	93	350	134,20
100	144	102	550	435	112	400	187,00
125	172	126,5	650	535	146	500	269,50
150	201	146,5	750	708	174	800	319,00
175	-	-	850	910	185	900	528,00
200	278	205,5	950	1107	233	1000	737,00
250	329	248,5	1150	1245	260	1000	1210,00
300	413	312	1350	1512	310	1000	1980,00
350	464	344	1500	1780	355	1000	2090,00

Dimensions in mm; modifications reserved.

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	520°C	530°C	540°C	560°C	570°C	600°C
		bar																
(P250GH)C 22.8 (1.0460)	**400**	400,00	400,00	400,00	362,00	323,71	285,71	247,71	209,43	131,43	-	-	-	-	-	-	-	-
16Mo3 (1.5415)	**400**	400,00	400,00	400,00	400,00	390,38	342,75	323,75	304,75	295,13	224,38	177,13	112,38	89,50	-	-	-	-
13CrMo4-5 (1,7335)	**400**	400,00	400,00	400,00	400,00	400,00	398,00	380,88	361,88	342,75	293,63	260,88	179,00	148,50	116,13	76,13	62,70	-
14MoV6-3 (1.7715)	**400**	400,00	400,00	400,00	400,00	400,00	400,00	400,00	398,10	386,70	383,80	367,60	283,80	249,50	215,20	163,80	139,00	-
11CrMo9-10 (1.7383)	**400**	400,00	400,00	400,00	400,00	400,00	400,00	390,38	371,38	352,38	295,13	257,13	196,13	171,38	148,50	110,38	97,13	64,8

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.