

GATE VALVE TYPE GKA63

CHARACTERISTIC:

Diameter	-	50 -350 mm;
Pressure	-	63 bar;
Temperature	-	up to 250°C for acids, bases and other aggressive media;
	-	up to 550°C for non-toxic media;
Medium	-	acids, liquors, water, steam and other non-toxic and non aggressive media, engine fuel and sea water

VERSIONS:

type body material / drive type / others

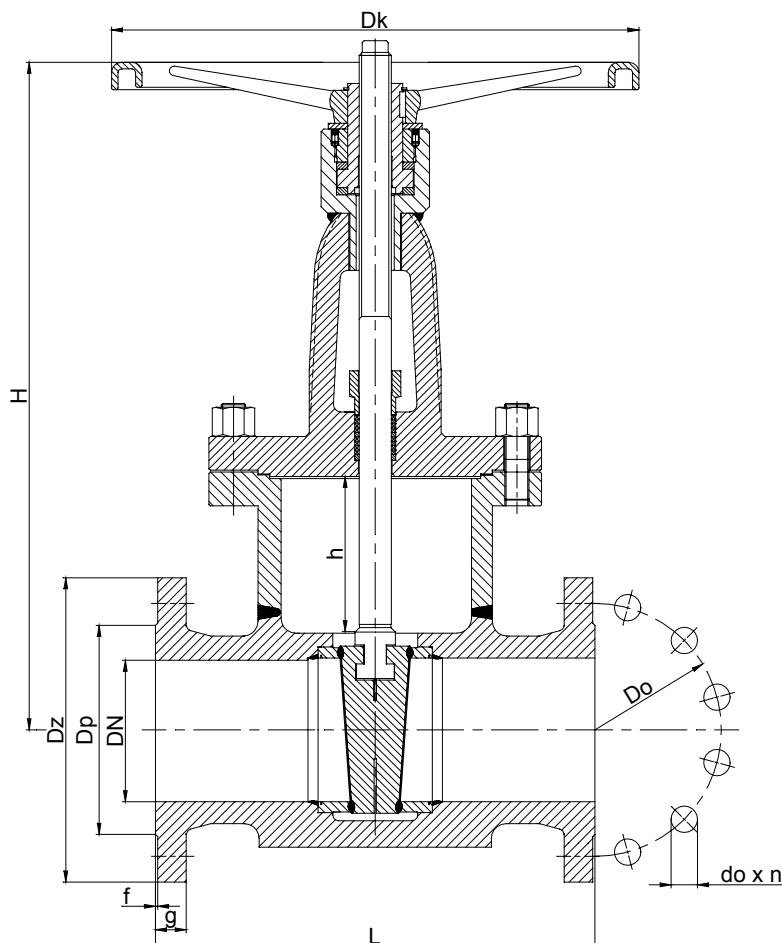
Example: GKA63 / --- / --- / ---

Example: GKB63 / NA / ---

Type Body material	Sign	Drive type	Sign	Others	Sign
X6CrNiTi18-10 (1.4541)	GKA	Hand wheel	---	-----	---
X5CrNi18-10 (1.4301)		AUMA drive	NA		
		NWA drive	NW		
X2CrNiMo17-12-2 (1.4404)	GKB	MODACT drive	NM		
		Pneumatic drive	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.



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® FABRYKA ARMATURY PRZEMYSŁOWEJ

„WAKMET” spółka jawna

Kaczmarek, Krzywdziński, Wachowski, Wilczyński

Bodzanów 75 48-340 GŁUCHOŁAZY 1

tel. +48(077) 439-40-20, fax +48(077) 439-18-72

e-mail: wakmet@wakmet.com.pl

http: www.wakmet.com.pl

MATERIALS:

Versions Parts	GKA63	GKB63
Body, bonnet	X6CrNiTi18-10 (1.4541)	X2CrNiMo17-12-2 (1.4404)
Wedge	X6CrNiTi18-10 (1.4541)	X2CrNiMo17-12-2 (1.4404)
Stem	X6CrNiTi18-10 (1.4541)	X2CrNiMo17-12-2 (1.4404)
Packing rings	PTFE , Grafit	
Wheel	Steel	

Special materials on request; modifications reserved.

DIMENSIONS:

DN	Dz	Dp	Do	do	n	L	g.	f	H	h	Dk	Weight
50	180	102	135	22	4	250	26	3	365	65	200	39,00
65	205	122	160	22	8	290	26	3	435	78	250	56,00
80	215	138	170	22	8	310	28	3	460	93	250	62,00
100	250	162	200	26	8	350	30	3	535	112	315	97,00
125	295	188	240	30	8	400	34	3	630	146	315	164,00
150	345	218	280	33	12	450	36	3	800	174	315	265,00
200	415	285	345	36	12	550	42	3	860	233	400	335,00
250	470	345	400	36	16	650	46	3	1055	260	500	498,00
300	530	410	460	36	16	750	52	4	1179	310	500	677,00
350	600	465	525	39	16	850	56	4	1395	355	630	914,00
400	670	535	585	42	16	950	60	4	1520	410	GNR	-
450	-	-	-	-	-	1025	-	-	1790	460	GNR	-
500	800	615	705	48	20	1150	-	-	1910	510	GNR	-

Dimensions in mm; modifications reserved.

TECHNICAL DATA:

Body material	Medium	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
		bar																
X6CrNiTi18-10 (1.4541)	aggressive media	63	63,0	62,4	58,8	55,8	53,1	-	-	-	-	-	-	-	-	-	-	-
X2CrNiMo17-12-2 (1.4404)		63	63,0	59,7	54,3	50,1	47,1	-	-	-	-	-	-	-	-	-	-	-
X6CrNiTi18-10 (1.4541)	non aggressive media	63	63,0	62,4	58,8	55,8	53,1	50,1	48,3	46,8	45,7	45,2	44,7	44,1	43,8	43,3	42,8	42,6
X2CrNiMo17-12-2 (1.4404)		63	63,0	59,7	54,3	50,1	47,1	43,5	41,7	40,5	39,4	38,9	38,4	38,4	38,4	38,2	38,2	38,2
X5CrNi18-10 (1.4301)		63	63,0	63,0	63,0	58,9	54,4	50,6	48,4	46,9	45,9	45,5	45,0	41,5	38,0	34,5	31,1	27,6

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.