

FIG. 108



FLANGE, WEDGE GATE VALVE zGAT



Body material	Nominal pressure	Nominal diameter	Max. temperature
G Forged steel	1 Class 150 (20bar) 3 Class 300 (50bar) 6 Class 600 (100bar)	DN 15-50	425°C
	E PN40 G PN100		



according to Pressure Directive 2014/68/EU
CE marking for DN≥32

FEATURES

- high tightness (leakproofness class A according to EN - 12266 - 1)
- compact settlement
- environment friendly
- tests according to API 598 or EN 12266-1
- Installation length according to DIN 3202 for classes according to ANSI B16.10
Acc. EN 558 PN 40 – series 1 for DN 15-32, series 26 for DN 40 -50
PN 100- series 28 for DN 15-32, series 26 for DN 40 -50
- flange connections according to ASME B16.5 or EN 1092-1

APPLICATION*

* not all of the applications are suitable for all of the material finishes

The website at www.zetkama.com.pl contains a Chemical Resistance List, which specifies the operational characteristics for a certain medium.

industries



INDUSTRY



SHIPBUILDING
INDUSTRY



HEATING



PETROCHEMICAL
INDUSTRY



POWER
ENGINEERING



CHEMICAL
INDUSTRY

media



GLYCOL



INDUSTRIAL
WATER



DIATHERMIC
OIL



STEAM



COMPRESSED
AIR



NEUTRAL
MEDIA



NATURAL GAS

Subject to design changes.

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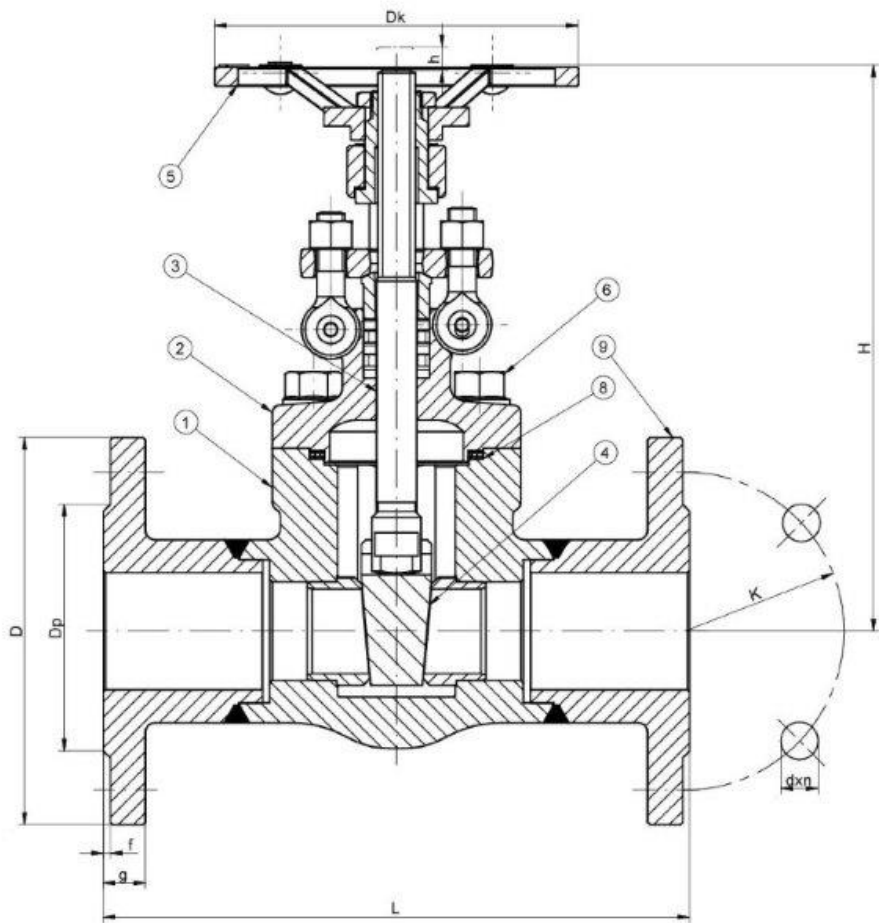
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FIG. 108

MATERIALS, DIMENSIONS



	Body material	G
	Type	01
1	Body	A105N
2	Bonnet	A105N
3	Stem	A182 F6a
4	Wedge	A182 F6a
5	Hand-wheel	A197
6	Screw	A193 B7
8	Cover gasket	spiral wound gasket (steel + graphite)
9	Gland packing	Graphite
Max. temperature		425°C

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FIG. 108**Class150**

DN	Dz	Dp	Do	d	do x R	L	f	g	H	h	Dk	Weight
mm												kg
15	89	35,1	60,3	10,3	16x4	108	1,6	11,1	139	14	96	2,9
20	98	42,9	69,8	13,5	16x4	117	1,6	12,7	169	14	96	3,5
25	108	50,8	79,4	18	16x4	127	1,6	14,3	207	21	115	5,3
32	117	63,5	88,9	23	16x4	140	1,6	15,9	195	27	145	7,5
40	127	73,2	98,4	29	16x4	165	1,6	17,5	249	31	145	9,2
50	152	91,9	120,6	36	19x4	178	1,6	19,5	240	41	165	14,2

Class300

DN	Dz	Dp	Do	d	do x R	L	f	g	H	H	Dk	Weight
mm												kg
15	95	35,1	66,7	10,3	16x4	140	1,6	14,5	139	14	96	3,4
20	117	42,9	82,6	13,5	19x4	152	1,6	16	169	14	96	4,6
25	124	50,8	88,9	18	19x4	165	1,6	17,5	207	21	115	6,6
32	133	63,5	98,4	23	19x4	178	1,6	19	195	27	145	9,1
40	156	73,2	114,3	29	22x4	190	1,6	20,6	249	31	145	11,6
50	165	91,9	127	36	19x8	216	1,6	22,2	240	41	165	16,3

Class600

DN	Dz	Dp	Do	d	do x R	L	f	g	H	H	Dk	Weight
mm												kg
15	95	35,1	66,7	10,3	16x4	165	6,4	20,7	139	14	96	3,7
20	117	42,9	82,6	13,5	19x4	190	6,4	22,3	169	14	96	5,1
25	124	50,8	88,9	18	19x4	216	6,4	24	207	21	115	7,4
32	133	63,5	98,4	23	19x4	229	6,4	27	195	27	145	10,4
40	156	73,2	114,3	29	22x4	241	6,4	28,6	249	31	145	13,1
50	165	91,9	127	36	19x8	292	6,4	32	240	41	165	19,1

PN 40

DN	Dz	Dp	Do	d	do x R	L	f	g	H	h	Dk	Weight
mm												kg
15	95	45	65	10,3	14x4	130	2	16	139	14	96	3,6
20	105	58	75	13,5	14x4	150	2	18	169	14	96	4,5
25	115	68	85	18	14x4	160	2	18	207	21	115	6,5
32	140	78	100	23	18x4	180	2	18	195	27	145	9,5
40	150	88	110	29	18x4	240	3	18	249	31	145	11,3
50	165	102	125	36	18x4	250	3	20	240	41	165	16,7

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FIG. 108

PN 100

DN	Dz	Dp	Do	d	do x R	L	f	g	H	h	Dk	Weight
mm												kg
15	105	45	75	10,3	14x4	210	2	20	139	14	96	4,8
20	130	58	90	13,5	18x4	230	2	22	169	14	96	6,8
25	140	68	100	18	18x4	230	2	24	207	21	115	9,6
32	155	78	110	23	22x4	180	2	24	195	27	145	12,3
40	170	88	125	29	22x4	240	3	26	249	31	145	14,6
50	195	102	145	36	26x4	250	3	28	240	41	165	21,5

PRESSURE-TEMPERATURE CHART

		Temperature [° C]						
Material	Pressure	-29 < up to <38	100	200	300	350	40	425
A105N	Class150 [bar]	19,6	17,9	13,8	10,2	8,4	6,5	5,6
	Class300 [bar]	51,1	46,4	43,8	38,7	37	34,5	29,8
	Class600 [bar]	102,1	92,8	87,6	77,5	73,9	69	57,5
	PN40	40	35,7	31,4	25,9	22,8	18	14,3
	PN100	100	89	78	65	57	45	29,8

Options:

Various configurations are possible upon a customer's request.

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FIG. 108

TYPE

Figure	Body material	Nominal diameter	Nominal pressure	Type
108	G Forged steel A105N	15-50 mm	1 Class 150	01 stem and wedge connection detachable; stem, wedge - stainless steel
			3 Class 300	01 stem and wedge connection detachable; stem, wedge - stainless steel
			6 Class 600	01 stem and wedge connection detachable; stem, wedge - stainless steel
			E PN40	01 stem and wedge connection detachable; stem, wedge - stainless steel
			G PN100	01 stem and wedge connection detachable; stem, wedge - stainless steel

ORDER PLACEMENT

Figure	Body material	Nominal diameter	Nominal pressure	Type
108	G Forged steel A105N	15-50 mm	1 Class 150	01 stem and wedge connection detachable; stem, wedge - stainless steel

An example of index-based order

108 G 050 1 01

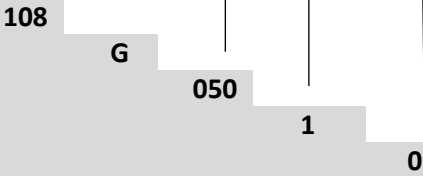
Gate valve, ends flanged, form straight

Forged steel A105N

Nominal diameter (mm)

Nominal pressure Class 150

Gate valve; stem, wedge - stainless steel



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