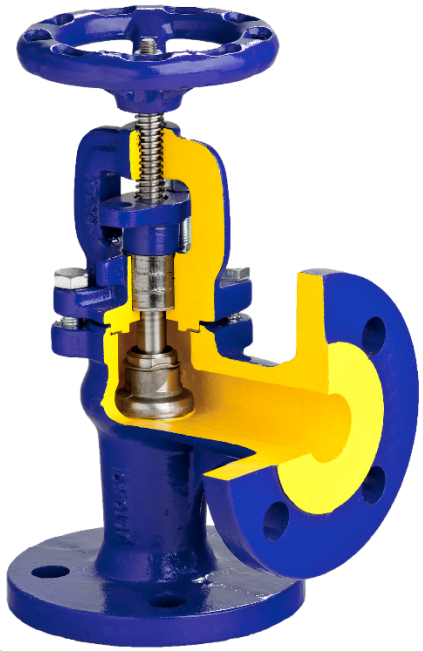
FIG.216

STOP VALVE zGLO



Body material	Nominal pressure	Nominal diameter	Max. temperature
A Grey cast iron	**A** 6 bar **C** 16 bar	DN **15-300**	300°C
C Nodular cast iron	**C** 16 bar **D** 25 bar	DN **15-200** DN **15-80**	350°C

correspond to the pressure equipment directive 2014/68/UE
marking CE for DN≥32

FEATURES

- high tightness (leakproofness class - A acc. to EN -12266 - 1)
- compact settlement
- environment-friendly
- tests acc. to EN - 12266 - 1
- flanges drilled according to EN 1092-2 (A,C)
- face-to-face dimension according to EN 558 series 8

APPLICATION*

*not all of the applications are suitable for all of the executions
On the website www.zetkama.com.pl is a Chemical Resistance List, which specifies the parameters of work for a given medium

industries

INDUSTRY | SHIPBUILDING INDUSTRY | HEATING | REFRIGERATION AND AIR CONDITIONING | CHEMICAL INDUSTRY

media

GLYCOL | INDUSTRIAL WATER | DIATHERMIC OIL | STEAM | COMPRESSED AIR | NEUTRAL FLUIDS

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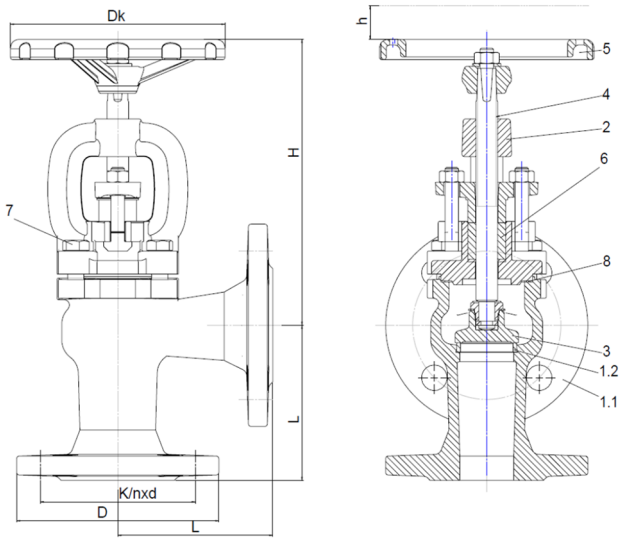
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FIG.216

MATERIALS, DIMENSIONS



	Body material	A				C		
	Type	**00**	**01 04 71 91**	**02 05 72 92**	**03 13**	**01 04 71 91**	**02 05 72 92**	**03 13**
1.1	Body	EN – GJL-250 5.1301 (ex. JL1040)				EN – GJS-400 – 18-LT 5.3103 (ex.JS1025)		
1.2	Seat ring	X12Cr13 1.4021		CuSn10 – C CC480K		X12Cr13 1.4021	CuSn10 – C CC480K	
2	Bonnet	EN-GJL-250 5.1301 (ex. Jl1040)				EN – GJS-400 – 18-LT 5.3103 (ex.JS1025)		
3	Disc	X20Cr13+QT 1.4021		CuSn10 – C CC480K		X20Cr13+QT 1.4021	CuSn10 – C CC480K	
4	Stem	X20Cr13 1.4021		CuZn40Mn1,5	CuSn10 – C CC480K	X20Cr13 1.4021	CuZn40Mn1,5	CuSn10 – C CC480K
5	Hand-wheel	EN-GJS500-7 5.3200 (ex.JS1050)						
6	Gland packing	Graphite						
7	Hexagon bolt	5.6				A2-70	5.6	
8	Gasket	Graphite + NiCr						
Max. temperature		**300°C**	**300°C**	**225°C**		**350°C**	**225°C**	

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FIG.216

DN		15	20	25	32	40	50	65	80	100	125	150	200	250	300
L (mm)		90	95	100	105	115	125	145	155	175	200	225	275	325	375
Dk (mm)			100		120		160	180	200		250	320		360	500
	03, 23, 73, 93			100	125		160		200		250	315	400		
H		163	160	173	173	214	211	236	250	301	339	383	455	531	710
	91	179	176	198	206	232	235	269	290	336	374	433	625	720	779
h (mm)		5	5,5	7	14	20	25	35	41	31	48	54	77	120	120
	71 91	14	14	25	30	24	32	42	48	50	50	60	80	100	100
k_{vs} (m^3/h)	01 04	7,2	9,2	16	22	37	51	98,5	143	226	281	455	860	1260	2130
Weight (kg)															
216		3,3	3,9	5	6,6	8,4	12	17,3	22,7	35,8	52,8	74,2	126	200	250
	31	3,1	3,5	4,8	6,6	8,7	11,8	14	20,5	32,2	46	62	126	200	250
	71	3,1	3,5	4,8	6,6	8,8	12,3	14,3	21,8	33,2	45,8	64,3	126	200	250
	91	3,1	3,5	4,8	6,6	8,8	12,3	14,3	21,8	33,2	45,8	64,3	126	200	250

KV [m^3/h] FIG. 216-71, 91

Turn	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300
0,5	1,59	1,55	1,06	2,10	4,1	7,2	9,1	11,2	20,2	20	25			
1	1,92	1,89	1,94	3,14	6,9	9,9	12,0	14,9	30,1	34	45	90	108	164
1,5	2,27	2,32												
2	2,61	2,75	3,59	5,19	11,2	16,3	20,8	25,7	48,9	63	87	153	191	306
2,5	2,94	3,17												
3	3,26	3,59	5,14	7,22	16,5	22,8	29,1	36,4	66,2	91	126	216	271	425
3,5	3,66	4,04												
4	4,07	4,60	6,42	9,18	21,4	28,9	37,4	46,7	82	118	162	277	347	525
4,5	4,55	5,35												
4,7	4,74	5,64												
5			7,65	11,0	27,4	35,4	45,4	56,6	97	146	199	337	420	627
6			8,71	12,8	33,8	43,5	53,1	66	113	176	235	395	489	723
7			9,57	14,5		51,8	61,2	77	135	212	271	454	556	822
8			11,88	16,1		58,1	70,9	89	161	250	308	511	622	926
8,33			12,53											
9				17,8			81,3	104	187	285	347	573	687	1021
10				20,0			90,5	119	210	314	387	633	754	1131
10,5							94,3							
11								132			421	690	822	1236
12								143			454	738	898	1340
13												762	967	1446
13,33												763		
14													1037	1543
15													1101	1637
16													1147	1717
16,66													1198	1764

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FIG.216

PRESSURE-TEMPERATURE RATINGS

Acc EN 1092-2	PN		-60°C ÷<-10°C	-10°C÷120°C	150°C	200°C	250°C	300°C	350°C	400°C	450°C
EN-GJL250	6	bar	-----	6	5,4	4,8	4,2	3,6	---	---	---
	16		------	16	14,4	12,8	11,2	9,6	---	---	---
EN-GJS400-18 LT	16		------	16	15,5	14,7	13,9	12,8	11,2	---	---
	25		-------	25	24,3	23	21,8	20	17,5	---	---

FLANGE DIMENSIONS ACC. PN-EN 1092-2 (A, C)

DN		15	20	25	32	40	50	65	80	100	125	150	200	250	300
PN6	D (mm)	80	90	100	120	130	140	160	190	210	240	265	320	-----	-----
	K (mm)	55	65	75	90	100	110	130	150	170	200	225	280	-----	-----
	nxd (mm)	4x11	4x11	4x11	4x14	4x14	4x14	4x14	4x18	4x18	8x18	8x18	8x18	-----	------
PN16	D (mm)	95	105	115	140	150	165	185	200	220	250	285	340	405	460
	K (mm)	65	75	85	100	110	125	145	160	180	210	240	295	355	410
	nxd (mm)	4x14	4x14	4x14	4x19	4x19	4x19	4x19	8x19	8x19	8x19	8x23	12x23	12x28	12x28
PN25	D (mm)	95	105	115	140	150	165	185	200	-----	-----	-----	-------	-----	-----
	K (mm)	65	75	85	100	110	125	145	160	-----	------	-----	------	-----	-----
	nxd (mm)	4x14	4x14	4x14	4x19	4x19	4x19	8x19	8x19	------	------	-----	-------	-----	------

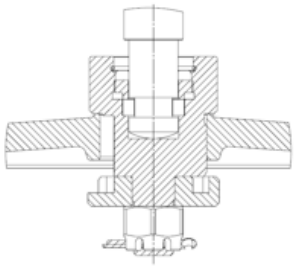
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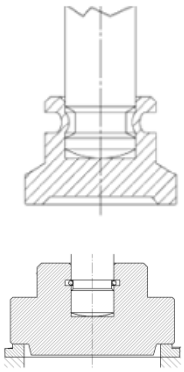
FIG.216

DISC

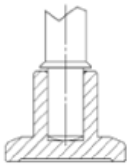
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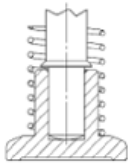
type 00



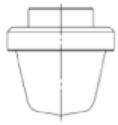
type 41 42 43



type 31 32 33



type 71 91



Other type of valves on request:

- stellited seat
- hardened disc
- other

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FIG.216

TYPE

Figure	Body material	Nominal diameter	Nominal pressure	Type
216	**A** Grey cast iron EN-GJL-250	**15-50** mm	**A** 6 bar	**00** stem and disc connection - fixed – rolled; stem, disc and seat ring - stainless steel
		15-150 mm	**A** 6 bar	**01** stem and disc connection – nut; stem, disc and seat ring - stainless steel
		200-300 mm	**A** 6 bar	**04** stem and disc connection – nut; stem, disc and seat ring - stainless steel; balancing disc
		15-150 mm	**A** 6 bar	**02** stem and disc connection nut; stem - brass, disc and seat ring - bronze
		200-300 mm	**A** 6 bar	**05** stem and disc connection – nut; stem- brass, disc and seat ring – bronze; balancing disc
		15-150 mm	**A** 6 bar	**03** stem and disc connection nut; stem, disc and seat ring - bronze
		200-300 mm	**A** 6 bar	**13** stem and disc connection – nut; stem, disc and seat ring – bronze; balancing disc
		15-300 mm	**A** 6 bar	**31** loose disc with spring; stem, disc and seat ring - stainless steel
		15-300 mm	**A** 6 bar	**41** loose disc without spring; stem, disc and seat ring - stainless steel
		15-300 mm	**A** 6 bar	**32** loose disc with spring; stem - brass, disc and seat ring - bronze
		15-300 mm	**A** 6 bar	**42** loose disc without spring; stem - brass, disc and seat ring - bronze
		15-300 mm	**A** 6 bar	**33** loose disc with spring; stem, disc and seat ring - bronze
		15-300 mm	**A** 6 bar	**43** loose disc without spring; stem, disc and seat ring - bronze
		15-300 mm	**A** 6 bar	**71** stem and disc connection – nut; stem, throttling disc and seat ring - stainless steel; throttling disc; without position indicator
		15-300 mm	**A** 6 bar	**91** stem and disc connection – nut; stem, throttling disc and seat ring - stainless steel; throttling disc; with position indicator
		15-300 mm	**A** 6 bar	**72** stem and disc connection – nut; stem- brass, throttling disc and seat ring – bronze; throttling disc; without position indicator
		15-300 mm	**A** 6 bar	**92** stem and disc connection – nut; stem - brass, throttling disc and seat ring – bronze; throttling disc; with position indicator
		15-50 mm	**C** 16 bar	**00** stem and disc connection - fixed – rolled; stem, disc and seat ring - stainless steel
		15-150 mm	**C** 16 bar	**01** stem and disc connection – nut; stem, disc and seat ring - stainless steel
		200-300 mm	**C** 16 bar	**04** stem and disc connection – nut; stem, disc and seat ring - stainless steel; balancing disc
		15-150 mm	**C** 16 bar	**02** stem and disc connection nut; stem - brass, disc and seat ring - bronze
		200-300 mm	**C** 16 bar	**05** stem and disc connection – nut; stem- brass, disc and seat ring – bronze; balancing disc
		15-150 mm	**C** 16 bar	**03** stem and disc connection nut; stem, disc and seat ring - bronze

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FIG.216

			200-300 mm		**C** 16 bar		**13** stem and disc connection – nut; stem, disc and seat ring – bronze; balancing disc
			15-300 mm		**C** 16 bar		**31** loose disc with spring; stem, disc and seat ring - stainless steel
			15-300 mm		**C** 16 bar		**41** loose disc without spring; stem, disc and seat ring - stainless steel
			15-300 mm		**C** 16 bar		**32** loose disc with spring; stem - brass, disc and seat ring - bronze
			15-300 mm		**C** 16 bar		**42** loose disc without spring; stem - brass, disc and seat ring - bronze
			15-300 mm		**C** 16 bar		**33** loose disc with spring; stem, disc and seat ring - bronze
			15-300 mm		**C** 16 bar		**43** loose disc without spring; stem, disc and seat ring - bronze
			15-300 mm		**C** 16 bar		**71** stem and disc connection – nut; stem, throttling disc and seat ring - stainless steel; throttling disc; without position indicator
			15-300 mm		**C** 16 bar		**91** stem and disc connection – nut; stem, throttling disc and seat ring - stainless steel; throttling disc; with position indicator
			15-300 mm		**C** 16 bar		**72** stem and disc connection – nut; stem- brass, throttling disc and seat ring – bronze; throttling disc; without position indicator
			15-300 mm		**C** 16 bar		**92** stem and disc connection – nut; stem - brass, throttling disc and seat ring – bronze; throttling disc; with position indicator
216		**C** Nodular cast iron EN-GJS-400-18-LT	**15-150** mm		**C** 16 bar		**01** stem and disc connection – nut; stem, disc and seat ring - stainless steel
			200 mm		**C** 16 bar		**04** stem and disc connection – nut; stem, disc and seat ring - stainless steel; balancing disc
			15-150 mm		**C** 16 bar		**02** stem and disc connection nut; stem - brass, disc and seat ring - bronze
			200 mm		**C** 16 bar		**05** stem and disc connection – nut; stem- brass, disc and seat ring – bronze; balancing disc
			15-150 mm		**C** 16 bar		**03** stem and disc connection nut; stem, disc and seat ring - bronze
			200 mm		**C** 16 bar		**13** stem and disc connection – nut; stem, disc and seat ring – bronze; balancing disc
			15-200 mm		**C** 16 bar		**31** loose disc with spring; stem, disc and seat ring - stainless steel
			15-200 mm		**C** 16 bar		**41** loose disc without spring; stem, disc and seat ring - stainless steel
			15-200 mm		**C** 16 bar		**32** loose disc with spring; stem - brass, disc and seat ring - bronze
			15-200 mm		**C** 16 bar		**42** loose disc without spring; stem - brass, disc and seat ring - bronze
			15-200 mm		**C** 16 bar		**33** loose disc with spring; stem, disc and seat ring - bronze
			15-200 mm		**C** 16 bar		**43** loose disc without spring; stem, disc and seat ring - bronze
			15-200 mm		**C** 16 bar		**71** stem and disc connection – nut; stem, throttling disc and seat ring - stainless steel; throttling disc; without position indicator
			15-200 mm		**C** 16 bar		**91** stem and disc connection – nut; stem, throttling disc and seat ring - stainless steel; throttling disc; with position indicator
			15-200 mm		**C** 16 bar		**72** stem and disc connection – nut; stem- brass, throttling disc and seat ring – bronze; throttling disc; without position indicator

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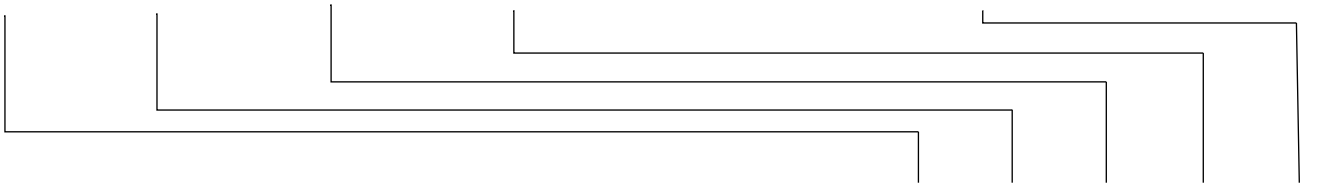
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FIG.216

	15-200 mm		**C** 16 bar		**92** stem and disc connection – nut; stem - brass, throttling disc and seat ring – bronze; throttling disc; with position indicator
	15-80 mm		**D** 25 bar		**01** stem and disc connection – nut; stem, disc and seat ring - stainless steel
	15-80 mm		**D** 25 bar		**02** stem and disc connection nut; stem - brass, disc and seat ring - bronze
	15-80 mm		**D** 25 bar		**03** stem and disc connection nut; stem, disc and seat ring - bronze
	15-80 mm		**D** 25 bar		**31** loose disc with spring; stem, disc and seat ring - stainless steel
	15-80 mm		**D** 25 bar		**41** loose disc without spring; stem, disc and seat ring - stainless steel
	15-80 mm		**D** 25 bar		**32** loose disc with spring; stem - brass, disc and seat ring - bronze
	15-80 mm		**D** 25 bar		**42** loose disc without spring; stem - brass, disc and seat ring - bronze
	15-80 mm		**D** 25 bar		**33** loose disc with spring; stem, disc and seat ring - bronze
	15-80 mm		**D** 25 bar		**43** loose disc without spring; stem, disc and seat ring - bronze
	15-80 mm		**D** 25 bar		**71** stem and disc connection – nut; stem, throttling disc and seat ring - stainless steel; throttling disc; without position indicator
	15-80 mm		**D** 25 bar		**91** stem and disc connection – nut; stem, throttling disc and seat ring - stainless steel; throttling disc; with position indicator

ORDERING

Figure		**Body material**		**Nominal diameter**		**Nominal pressure**		**Type**
216		**A** Grey cast iron EN-GJL-250		**15-50** mm		**C** 16 bar		**00** stem and disc connection - fixed - rolled stem, disc and seat ring - stainless steel



Order example acc. index **216 A 050 C 00**

Stop valves, ends flanged, angle form	**216**
Grey cast iron EN-GJL-250	**A**
Nominal diameter (mm)	**050**
Nominal pressure PN 16	**C**
Stem and disc connection - fixed - rolled stem, disc and seat ring - stainless steel	**00**

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