



figure	216
ends form	flange angle



STOP VALVE



<i>body material</i>	<i>nominal pressure</i>	<i>nominal diameter</i>	<i>max temperature</i>
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
E bronze	C 16 bar	DN 15-300	225°C



correspond to the pressure equipment directive 97/23/EC
marking CE for DN≥32

FEATURES

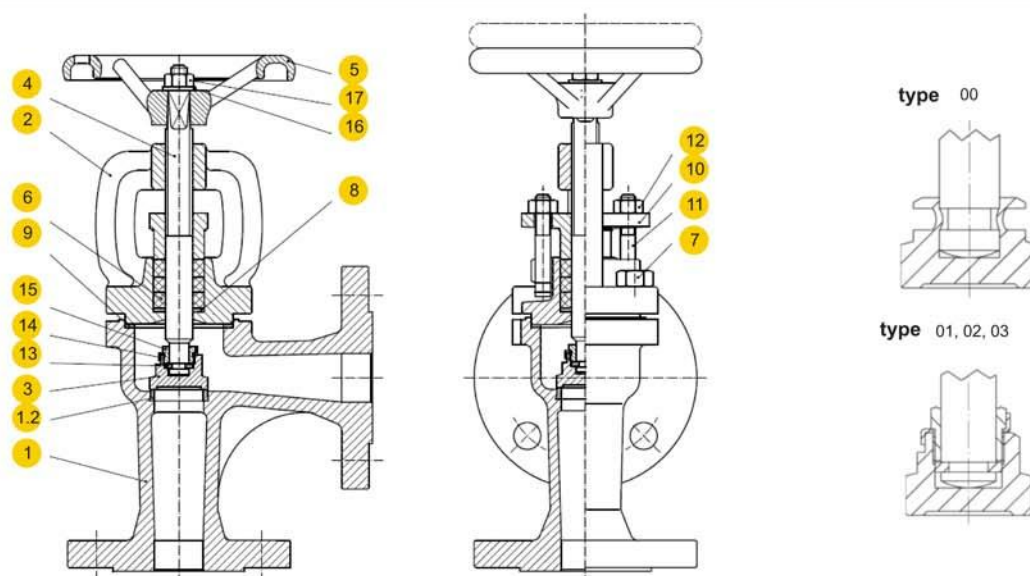
- high tightness (leakproofness class - A acc. EN -12266 - 1)
- compact settlement
- environment-friendly
- tests acc. EN - 12266 - 1
- flanges drilled according to EN 1092-2
- face-to-face dimension according to EN 558-1 series 8

APPLICATION

- hot cold and cooling water plants
- steam plants
- industrial technologies
- heat engineering
- power engineering

figure **216**ends
form flange
angle

MATERIALS



	body material	A				C			E
	type	00	01;04;71;91	02;05;72;92	03;13	01;04;71;91	02;05;72;92	03;13	03;23;73;93
1	body	EN – GJL-250 JL1040				EN – GJS-400 – 18-LT JS1025			CuSn5Zn5Pb5-C CC491K
1.2	seat ring	X12Cr13 1.4006		CuSn10 – C CC480K		X12Cr13 1.4006	CuSn10 – C CC480K		CuSn5Zn5Pb5-C CC491K
2	bonnet	EN-GJL-250 JL 1040				EN – GJS-400 – 18-LT JS1025			CuSn5Zn5Pb5-C CC491K
3	disc	X20Cr13 1.4021		CuSn10 – C CC480K		X20Cr13 1.4021	CuSn10 – C CC480K		CuSn5Zn5Pb5-C CC491K
4	stem	X20Cr13 1.4021		CuZn40Mn1,5	CuSn10 – C CC480K	X20Cr13 1.4021	CuZn40Mn1,5	CuSn10 – C CC480K	CuZn35Ni
5	hand-wheel	EN-GJS500-7 JS1050							
6	gland packing	graphite							
7	hexagon bolt	8.8				A2-70	8.8		A2-70
8	washer	X20Cr13 1.4021							
9	gasket	graphite+ NiCr							
10	gland	EN – GJL250 JL1040				EN – GJS400 – 18-LT JS1025			CuSn5Zn5Pb5-C CC491K
11	T-bolt	5.8 + zinc galvanized							A2-70
12	nut	8 + zinc galvanized							A2-70
13	ring	-----	X20Cr13 1.4021	CuSn10 – C CC480K		X20Cr13 1.4021	CuSn10 – C CC480K		CuSn5Zn5Pb5-C CC491K
14	washer	-----	X6CrNiTi18-10 1.4541	CuSn6		X6CrNiTi18-10 1.4541	CuSn6		CuSn6
15	screw	-----	X20Cr13 1.4021	CuSn10 – C CC480K		X20Cr13 1.4021	CuSn10 – C CC480K		CuSn5Zn5Pb5-C CC491K
16	washer	carbon steel + zinc galvanised							X5CrNi18-10 1.4301
17	nut	8 + zinc galvanised							A2-70
max. temperature		300°C	300°C	225°C		350°C	225°C		200°C

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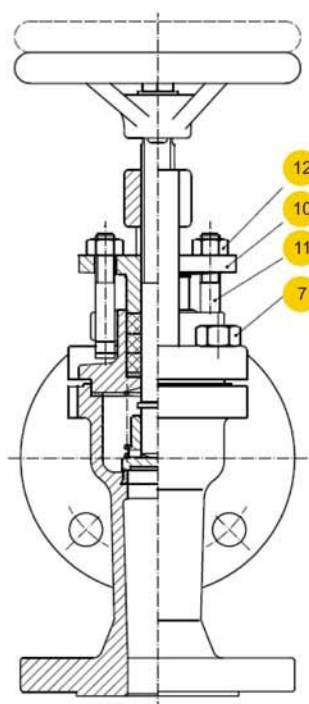
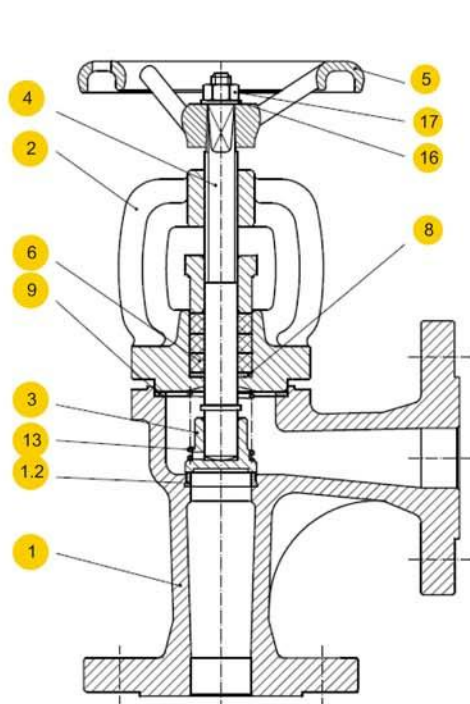
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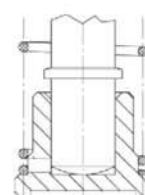
e-mail: biuro@varimex-valves.pl; www.varimex-valves.pl



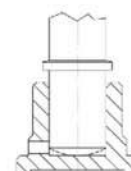
figure 216
ends form flange angle

MATERIALS
SCREW-DOWN STOP AND CHECK VALVE


type 31, 32, 33



type 41, 42, 43



	body material	A			C			E
	type	31;41*	32;42*	33;43*	31;41*	32;42*	33;43*	33;43*;53;63*
1	body	EN-GJL250 JL1040			EN – GJS400 – 18-LT JS1025			CuSn5Zn5Pb5-C CC491K
1.2	seat ring	X12Cr13 1.4006	CuSn10 – C CC480K		X12Cr13 1.4006	CuSn10 – C CC480K		CuSn5Zn5Pb5-C CC491K
2	bonnet	EN-GJL250 JL1040			EN – GJS400 – 18-LT JS1025			CuSn5Zn5Pb5-C CC491K
3	disc	X20Cr13 1.4021	CuSn10 – C CC480K		X20Cr13 1.4021	CuSn10 – C CC480K		CuSn5Zn5Pb5-C CC491K
4	stem	X20Cr13 1.4021	CuZn40Mn1, 5	CuSn10 – C	X20Cr13 1.4021	CuZn40Mn1, 5	CuSn10 – C	CuZn35Ni
5	hand-wheel	EN-GJS500-7 JS1050						
6	gland packing	all- graphite						
7	hexagon bolt	8.8			A2-70	8,8		A2-70
8	washer	X20Cr13 1.4021						
9	gasket	graphite+ NiCr						
10	gland	EN – GJL250 JL1040			EN – GJS400 – 18-LT JS1025			CuSn5Zn5Pb5-C CC491K
11	T-bolt	5.8 + zinc galvanized						A2-70
12	nut	8 + zinc galvanized						A2-70
13	spring	X17CrNi16- 2	X17CrNi16-2 1.4057		X17CrNi16- 2	X17CrNi16-2 1.4057		CuSn6
14	washer	carbon steel + zinc galvanized						X5CrNi18-10 1.4301
15	nut	8 zine galvanized						A2-70
max. temperature		350°C	225°C	225°C	350°C	225°C	225°C	200°C

*without spring

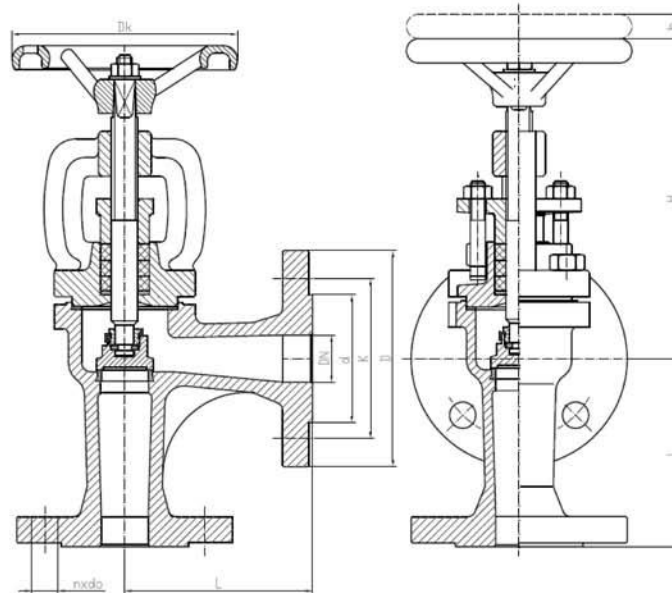


figure

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ends
formflange
angle

DIMENSIONS



DN	PN 6				PN 16				PN 25				PN 6, 16, 25										
													all types				71 91	00 01 02 03	31 41 32 42 33 43	91	00, 01 02, 03 31, 41 32, 42 33, 43 71		
	D	d	K	n x d	D	d	K	n x d	D	d	K	n x d										Dk	L
mm																kg	m3/h	mm					
15	80	38	55	4x11	95	46	65	4x14	95	46	65	4x14	100	90	3,3	7,2	14	5	5	179	163		
20	90	48	65	4x11	105	56	75	4x14	105	56	75	4x14	100	95	3,9	9,2	14	5,5	5	176	160		
25	100	58	75	4x11	115	65	85	4x14	115	65	85	4x14	120	100	5,0	16,0	25	7	8	198	173		
32	120	69	90	4x14	140	76	100	4x19	140	76	100	4x19	120	105	6,6	22,0	31	14	9	206	173		
40	130	78	100	4x14	150	84	110	4x19	150	84	110	4x19	160	115	8,4	37,0	23	20	12	232	214		
50	140	88	110	4x14	165	99	125	4x19	165	99	125	4x19	160	125	12,0	51,0	29	25	13	235	211		
65	160	108	130	4x14	185	118	145	4x19	185	118	145	8x19	180	145	17,3	98,5	38	35	16	269	236		
80	190	124	150	4x19	200	132	160	8x19	200	132	160	8x19	200	155	22,7	143	45	41	20	290	250		
100	210	144	170	4x19	220	156	180	8x19	-	-	-	-	250	175	35,8	226	40	31	25	336	301		
125	240	174	200	8x19	250	184	210	8x19	-	-	-	-	250	200	52,8	281	48	48	32	374	339		
150	265	199	225	8x19	285	211	240	8x23	-	-	-	-	320	225	74,2	455	54	54	38	433	383		
200	320	254	280	8x19	340	266	295	12x23	-	-	-	-	360	275	126	860	80	77	50	625	455		
250	-	-	-	-	405	319	355	12x28	-	-	-	-	360	325	200	1260	100	120	62	720	531		
300	-	-	-	-	460	370	410	12x28	-	-	-	-	500	375	315	-	100	120	100	779	710		

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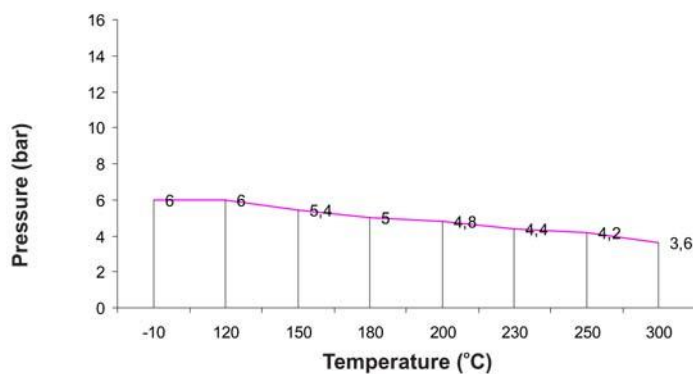
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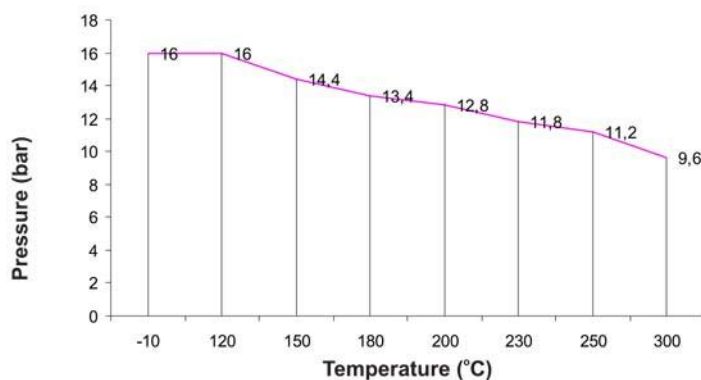
figure

216ends
formflange
angle

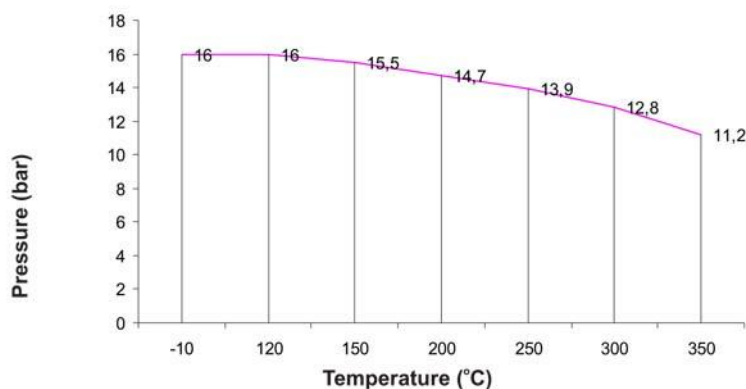
PRESSURE-TEMPERATURE RATINGS



Allowed working conditions range
PN 6 EN-GJL-250



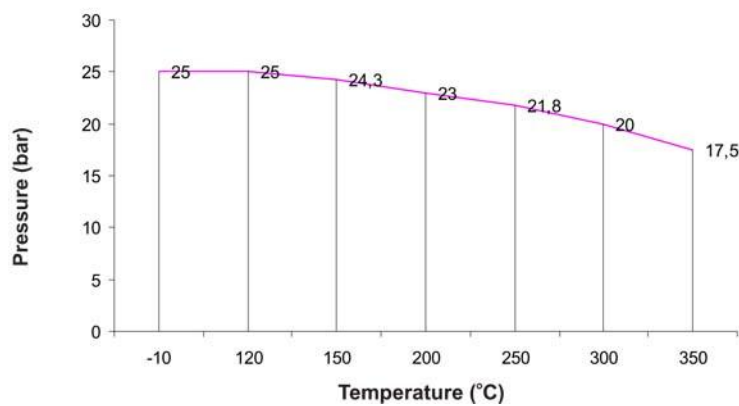
Allowed working conditions range
PN 16 EN-GJL-250



Allowed working conditions range
PN 16 EN-GJS-400-18-LT



figure

216ends
formflange
angle**PRESSURE-TEMPERATURE RATINGS**

Alloved working conditions range
PN 25 EN-GJS-400-18-LT



figure

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angle

TYPES

figure	body material	nominal diameter DN	nominal pressure PN	type
216	A gray cast iron EN-GJL-250	15-50 mm	A 6bar	00 » stem and disc connection - fixed - rolled » stem, disc and seat ring - stainless steel
		15-150 mm	A 6bar	01 » stem and disc connection - nut » stem, disc and seat ring - stainless steel
		200-300 mm	A 6bar	04 » stem and disc connection - nut » stem, disc and seat ring - stainless steel » balancing disc
		15-150 mm	A 6bar	02 » stem and disc connection nut » stem - brass, disc and seat ring - bronze
		200-300 mm	A 6bar	05 » stem and disc connection - nut » stem- brass, disc and seat ring - bronze » balancing disc
		15-150 mm	A 6bar	03 » stem and disc connection nut » stem, disc and seat ring - bronze
		200-300 mm	A 6bar	13 _y » stem and disc connection - nut » stem, disc and seat ring - bronze » balancing disc
		15-300 mm	A 6bar	31 » loose disc with spring » stem, disc and seat ring - stainless steel
		15-300 mm	A 6bar	41 » loose disc without spring » stem, disc and seat ring - stainless steel
		15-300 mm	A 6bar	32 » loose disc with spring » stem - brass, disc and seat ring - bronze
		15-300 mm	A 6bar	42 » loose disc without spring » stem - brass, disc and seat ring - bronze
		15-300 mm	A 6bar	33 » loose disc with spring » stem, disc and seat ring - bronze
		15-300 mm	A 6bar	43 » loose disc without spring » stem, disc and seat ring - bronze
		15-300 mm	A 6bar	71 » stem and disc connection - nut » stem, throttling disc and seat ring - stainless steel » throttling disc » without position indicator
		15-300 mm	A 6bar	91 » stem and disc connection - nut » stem, throttling disc and seat ring - stainless steel » throttling disc » with position indicator
		15-200 mm	A 6bar	92 » stem and disc connection - nut » stem - brass, throttling disc and seat ring - bronze » throttling disc » with position indicator

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figure **216**
ends form flange angle

TYPES

figure	body material	nominal diameter DN	nominal pressure PN	type
216	A gray cast iron EN-GJL-250	15-50 mm	C 16bar	00 = stem and disc connection - fixed - rolled = stem, disc and seat ring - stainless steel
		15-150 mm	C 16bar	01 = stem and disc connection - nut = stem, disc and seat ring - stainless steel
		200-300 mm	C 16bar	04 = stem and disc connection - nut = stem, disc and seat ring - stainless steel = balancing disc
		15-150 mm	C 16bar	02 = stem and disc connection nut = stem - brass, disc and seat ring - bronze
		200-300 mm	C 16bar	05 = stem and disc connection - nut = stem - brass, disc and seat ring - bronze = balancing disc
		15-150 mm	C 16bar	03 = stem and disc connection nut = stem, disc and seat ring - bronze
		200-300 mm	C 16bar	13 = stem and disc connection - nut = stem, disc and seat ring - bronze = balancing disc
		15-300 mm	C 16bar	31 = loose disc with spring = stem, disc and seat ring - stainless steel
		15-300 mm	C 16bar	41 = loose disc without spring = stem, disc and seat ring - stainless steel
		15-300 mm	C 16bar	32 = loose disc with spring = stem - brass, disc and seat ring - bronze
		15-300 mm	C 16bar	42 = loose disc without spring = stem - brass, disc and seat ring - bronze
		15-300 mm	C 16bar	33 = loose disc with spring = stem, disc and seat ring - bronze
		15-300 mm	C 16bar	43 = loose disc without spring = stem, disc and seat ring - bronze
		15-300 mm	C 16bar	71 = stem and disc connection - nut = stem, throttling disc and seat ring - stainless steel = throttling disc = without position indicator
		15-300 mm	C 16bar	91 = stem and disc connection - nut = stem, throttling disc and seat ring - stainless steel = throttling disc = with position indicator
		15-300 mm	C 16bar	72 = stem and disc connection - nut = stem - brass, throttling disc and seat ring - bronze = throttling disc = without position indicator
		15-300 mm	C 16bar	92 = stem and disc connection - nut = stem - brass, throttling disc and seat ring - bronze = throttling disc = with position indicator



figure

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ends
formflange
angle

TYPES

figure	body material	nominal diameter DN	nominal pressure PN	type
216	C nodular cast iron EN-GJS-400-18-LT	15-150 mm	C 16bar	01 » stem and disc connection - nut » stem, disc and seat ring - stainless steel
		200 mm	C 16bar	04 » stem and disc connection - nut » stem, disc and seat ring - stainless steel » balancing disc
		15-150 mm	C 16bar	02 » stem and disc connection nut » stem - brass, disc and seat ring - bronze
		200 mm	C 16bar	05 » stem and disc connection - nut » stem- brass, disc and seat ring - bronze » balancing disc
		15-150 mm	C 16bar	03 » stem and disc connection nut » stem, disc and seat ring - bronze
		200 mm	C 16bar	13 » stem and disc connection - nut » stem, disc and seat ring - bronze » balancing disc
		15-200 mm	C 16bar	31 » loose disc with spring » stem, disc and seat ring - stainless steel
		15-200 mm	C 16bar	41 » loose disc without spring » stem, disc and seat ring - stainless steel
		15-200 mm	C 16bar	32 » loose disc with spring » stem - brass, disc and seat ring - bronze
		15-200 mm	C 16bar	42 » loose disc without spring » stem - brass, disc and seat ring - bronze
		15-200 mm	C 16bar	33 » loose disc with spring » stem, disc and seat ring - bronze
		15-200 mm	C 16bar	43 » loose disc without spring » stem, disc and seat ring - bronze
		15-200 mm	C 16bar	71 » stem and disc connection - nut » stem, throttling disc and seat ring - stainless steel » throttling disc » without position indicator
		15-200 mm	C 16bar	91 » stem and disc connection - nut » stem, throttling disc and seat ring - stainless steel » throttling disc » with position indicator
		15-200 mm	C 16bar	72 » stem and disc connection - nut » stem- brass, throttling disc and seat ring - bronze » throttling disc » without position indicator
		15-200 mm	C 16bar	92 » stem and disc connection - nut » stem - brass, throttling disc and seat ring - bronze » throttling disc » with position indicator

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figure

216

ends
formflange
angle

TYPES

figure	body material	nominal diameter DN	nominal pressure PN	type
216	C nodular cast iron EN-GJS-400-18-LT	15-150 mm	D 25bar	01 » stem and disc connection - nut » stem, disc and seat ring - stainless steel
		15-150 mm	D 25bar	02 » stem and disc connection nut » stem - brass, disc and seat ring - bronze
		200 mm	D 25bar	05 » stem and disc connection - nut » stem- brass, disc and seat ring - bronze » balancing disc
		15-150 mm	D 25bar	03 » stem and disc connection nut » stem, disc and seat ring - bronze
		15-200 mm	D 25bar	31 » loose disc with spring » stem, disc and seat ring - stainless steel
		15-200 mm	D 25bar	41 » loose disc without spring » stem, disc and seat ring - stainless steel
		15-200 mm	D 25bar	32 » loose disc with spring » stem - brass, disc and seat ring - bronze
		15-200 mm	D 25bar	42 » loose disc without spring » stem - brass, disc and seat ring - bronze
		15-200 mm	D 25bar	33 » loose disc with spring » stem, disc and seat ring - bronze
		15-200 mm	D 25bar	43 » loose disc without spring » stem, disc and seat ring - bronze
		15-200 mm	D 25bar	71 » stem and disc connection - nut » stem, throttling disc and seat ring - stainless steel » throttling disc » without position indicator
		15-200 mm	D 25bar	91 » stem and disc connection - nut » stem, throttling disc and seat ring - stainless steel » throttling disc » with position indicator



figure **216**
ends form flange angle

TYPES

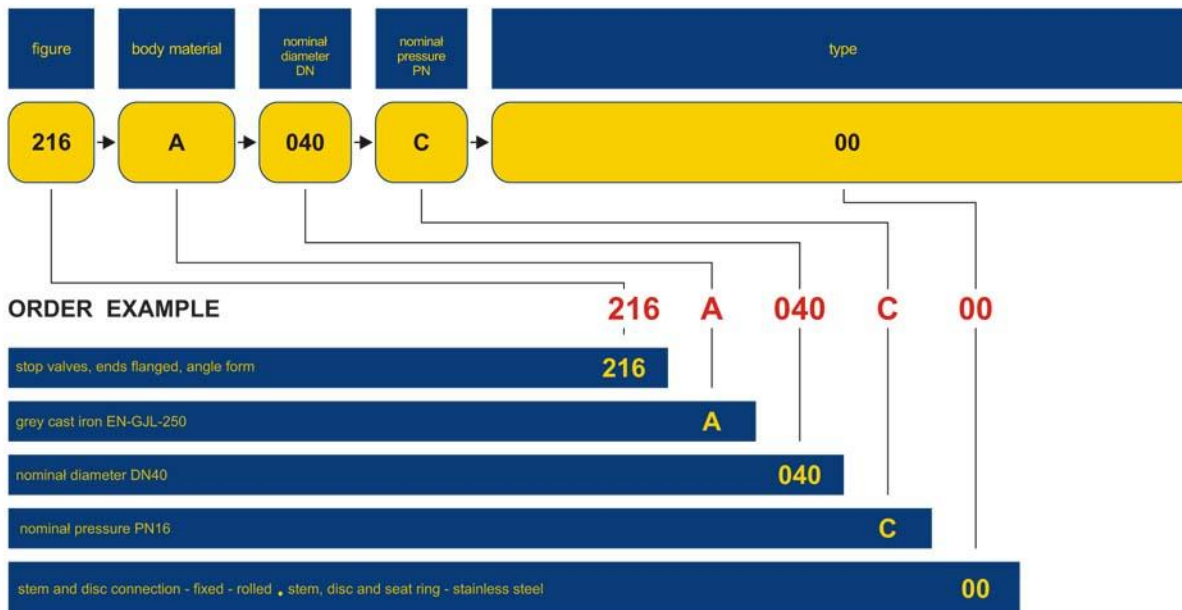
figure	body material	nominal diameter DN	nominal pressure PN	type
216	E bronze CuZn5Zn5Pb5-C	15-300 mm	C 16bar	03 » stem and disc connection nut » stem, disc and seat ring - bronze
		15-300 mm	C 16bar	33 » loose disc with spring » stem, disc and seat ring - bronze
		15-300 mm	C 16bar	43 » loose disc without spring » stem, disc and seat ring - bronze
		15-300 mm	C 16bar	23 » stem and disc connection - nut » with position indicator » stem, disc and seat ring - bronze
		15-300 mm	C 16bar	53 » loose disc with spring » with position indicator » stem, disc and seat ring - bronze
		15-300 mm	C 16bar	63 » loose disc without spring » with position indicator » stem, disc and seat ring - bronze
		15-150 mm	C 16bar	73 » stem and disc connection - nut » throttling disc - bronze » without position indicator
		15-150 mm	C 16bar	93 » stem and disc connection - nut » throttling disc - bronze » without position indicator



figure	216
ends form	flange angle

ORDERING

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The manufacturer reserves the right to introduce the changes in production without notify.