figure	775
ends form	threaded angle

ZETKAMA

FULL LIFT SAFETY VALVE zARMAK

body material	nominal pressure	nominal diameter	max. temperature	ex.index
B nodular cast iron	C 16 bar	DN 20-32	200°C	775

CE 1433

FEATURES

- valves made according to PN EN ISO 4126-1
- high tightness

APPLICATION

- industry
- heating
- power engineering

MEDIA

- water
- air
- steam
- other neutral liquids, gases and vapours

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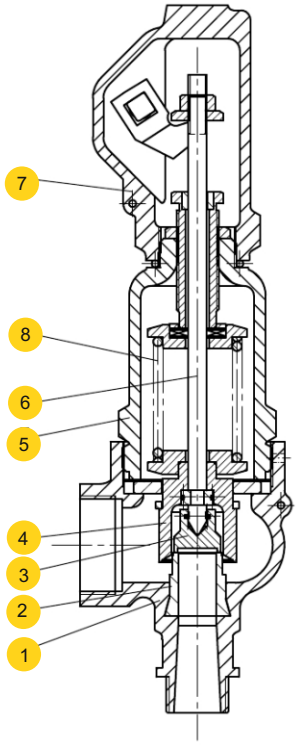
MATERIALS



	body material	B
	type	standard
		01-1, 02-1, 03-1, 04-1, 05-1, 06-1, 07-1, 08-1
1	body	EN-GJS-400-15 5.3106
2	seat	X39CrMo17-1 1.4122
3	disc	X39CrMo17-1 1.4122
4	lifting bell	X20Cr13 1.4021
5	bonnet	EN-GJS-400-15 5.3106
6	spindle	X20Cr13* 1.4021
7	lifting cap	EN-GJS-400-15 5.3106
8	spring	51CrV4 1.8159
	temperature range	-10...+200°C

* for marine type (05, 06, 07, 08) spindle made of: X17CrNi16-2

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figure	775
ends form	threaded angle

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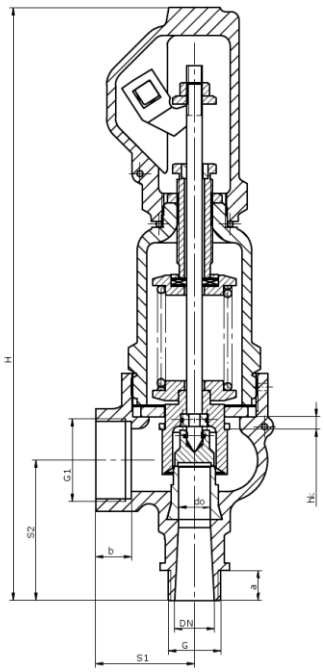
DIMENSIONS



DN	D_o	A	G	a	G_1	b	S_1	S_2	H	Set pressure min	Set pressure max	
d1xd2	mm	mm^2	cal	mm			mm			bar		kg
20x32	16	201	¾	15	1¼	18	50	71	305	1,5	16*	3,4
25x40	20	314	1	18	1½	20	54	80	332	1,5	16*	4,1
32x50	25	491	1¼	19	2	22	65	88	356	1,5	16*	5,4

* for steam boilers valid are restrictions according to WUDT-UC-WO-M - it is 10bar.

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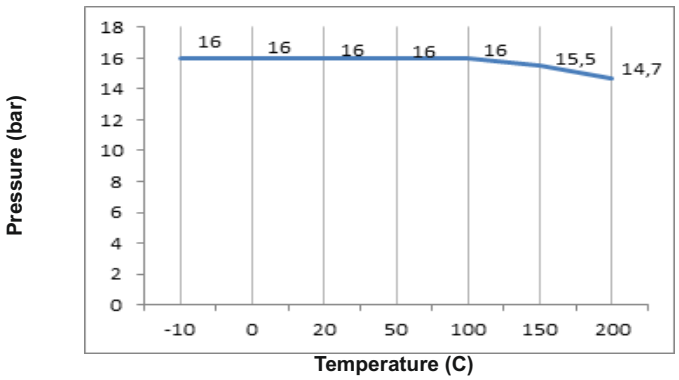
DISCHARGE COEFFICIENTS

Type of valves	DN	For vapours and gases Kdr		With lift reduction			
				For liquids Kdr		For vapours and gases Kdr	
		pressure range (bar)	b_1=10%	pressure range (bar)	b_1=10%	pressure range (bar)	b_1=10%
775	20x32	1,5≤p<4	0,60	1,5≤p<16	0,26	1,5≤p≤4	0,30
		4≤p≤16	0,66			4≤p≤16	0,33
	25x40	1,5≤p<4	0,63	1,5≤p<16	0,29	1,5≤p≤16	0,36
		4≤p≤16	0,68				
	32x50	1,5≤p<4	0,66	1,5≤p<16	0,36	1,5≤p<4	0,48
		4≤p≤16	0,72			4≤p≤16	0,52

NOTES

- If condensate accumulates, the blow-out installation should be drainholed in the lowest point. The drainhole in valve's body is made only on special request of the client. In case of liquids, the blow-out installation should be inclined.
- The valve should be mounted in vertical position.

PRESSURE-TEMPERATURE RATINGS



Allowed working conditions range
PN16 EN-GJS-400-15 5.3106

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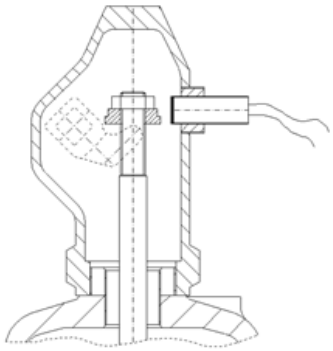
BASIC DATA OF DETECTOR

- Working range [mm] 3 (M8); 6 (M12); 10 (M18)
- Supply tension [V] 10 ÷ 30 DC
- Protection grade IP67 (M8); IP68 (M12 and M18)
- Working temperature -25 ÷ +70°C
- Standard length of cable [mm] 2000
- The other executions of detector for special order after co-ordination with manufacturer.
- Onto client's wish are used detectors working in range of temperature: -25 ÷ +230°C.



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TYPES

figure	body material	nominal diameter DN	nominal pressure PN	type
775	B nodular cast iron EN-GJS-400-15	20-32 mm	C 16bar	01-1 • normal type for gases and vapours • sealing metal/metal Tmax 200 °C
				02-1 • gas tight type for gases and vapours • sealing metal/metal Tmax 200 °C
				03-1 • type with reduced lift for liquids • sealing metal/metal Tmax 200 °C
				04-1 • type with reduced lift, gas-tight • sealing metal/metal Tmax 200 °C
				05-1 • marine type for gases and vapours • sealing metal/metal Tmax 200 °C
				06-1 • marine type with reduced lift • sealing metal/metal Tmax 200 °C
				07-1 • marine type, gas-tight • sealing metal/metal Tmax 200 °C
				08-1 • marine type with reduced lift, gas-tight • sealing metal/metal Tmax 200 °C

ORDERING

To place an order please use our product number (index)

figure	body material	nominal diameter DN	nominal pressure PN	type
775	B	020	C	01-1

ORDER EXAMPLE 775 B 020 C 01-1

full lift safety valve, threaded ends , angle form	775
nodular cast iron EN-GJS-400-15	B
nominal diameter DN20	020
nominal pressure PN16	C
normal types for gases and vapours, sealing metal/metal	01-1

Data given can be changed without notice. **Edition 06/2016**

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