figure	775
ends form	threaded angle

FULL LIFT SAFETY VALVE

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 PN EN ISO 4126-1
- high thightness

For valve with soft sealing

- quiet work of valve
- raised tightness of closure
- protection of disc sealing surface in front of stone settling as well as against any small mechanical dirt.

APPLICATION

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

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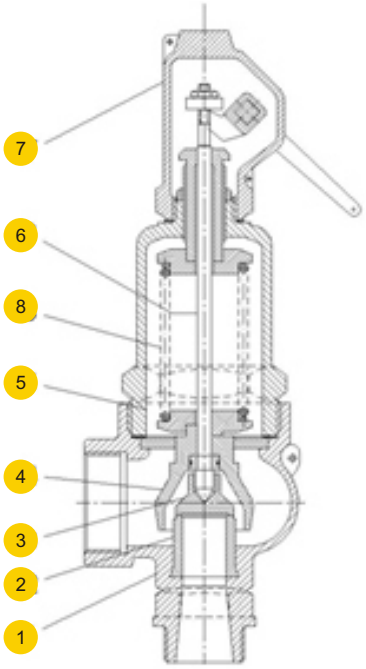
e-mail sprzedaz@armak.com.pl
www.armak.com.pl



figure	775
ends form	threaded angle

armak

MATERIALS



	body material	R	
	type	01-1, 02-1, 03-1, 04-1, 05-1, 06-1, 07-1, 08-1 (ex.775)	01-2(3), 02-2(3), 03-2(3), 04-2(3), 05-2(3), 06-2(3) 07-2(3), 08-2(3) (ex.775.11A)
1	body	EN-GJS-400-15 5.3106 (ex.JS 1030)	
2	seat	X39CrMo17-1	
3	disc	X39CrMo17-1	X39CrMo17-1/EPDM or /NBR
4	bell	X20Cr13	
5	bonnet	EN-GJS-400-15 5.3106 (ex.JS 1030)	
6	spindle	X20Cr13*	
7	lifting cap	EN-GJS-400-15 5.3106 (ex.JS 1030)	
8	spring	BI / 51CrV4	
	temperature range	-10...+200°C	-10...+120°C

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

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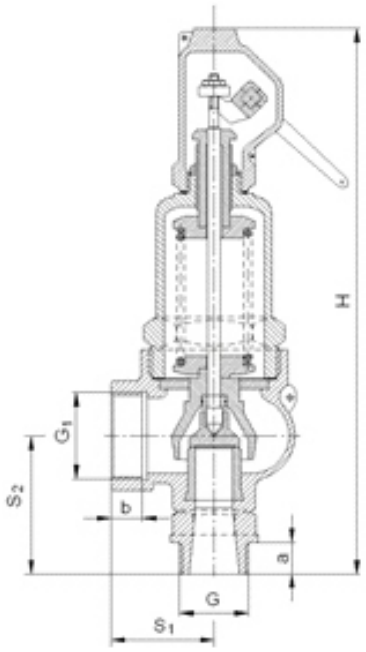
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figure	775
ends form	threaded angle

DIMENSIONS



DN	D_o	A	G	a	G_1	b	S_1	S_2	H	Opening pressure min	max	
d1xd2	mm	mm²	cal	mm			mm			bar		kg
20x32	16	201	3/4	15	1 1/4	18	50	71	275	1,5	16*	3,0
25x40	20	314	1	18	1 1/2	20	54	80	320	1,5	16*	4,2
32x50	25	491	1 1/4	19	2	22	65	88	357	1,5	16*	5,4

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

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figure	775
ends form	threaded angle

DISCHARGE COEFFICIENTS

Type of valve	DN	*For vapours and gases* α		*For liquids* α_c			
		pressure range [bar]	b_1=10%	b_1 = 10%		b_1 = 25%	for vapours and gases
				1,5 ≤ p < 5,0 bar	5,0 ≤ p ≤ 16 bar	1,5 ≤ p ≤ 16 bar	b_1 = 10%
775	20x32	1,5 ≤ p < 2,5	0,73	0,03	0,27	0,27	0,36
		2,5 ≤ p < 16	0,78				
	25x40	1,5 ≤ p < 2,3	0,73				
		2,3 ≤ p < 16	0,78				
	32x50	1,5 ≤ p < 1,9	0,71				
		1,9 ≤ p < 3,5	0,76				
		3,5 ≤ p < 16	0,78				

NOTES

- If condensate accumulates, in the lowest point of blow-out installation should be foreseen dehydration. The dehydration 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 assembled in vertical position..

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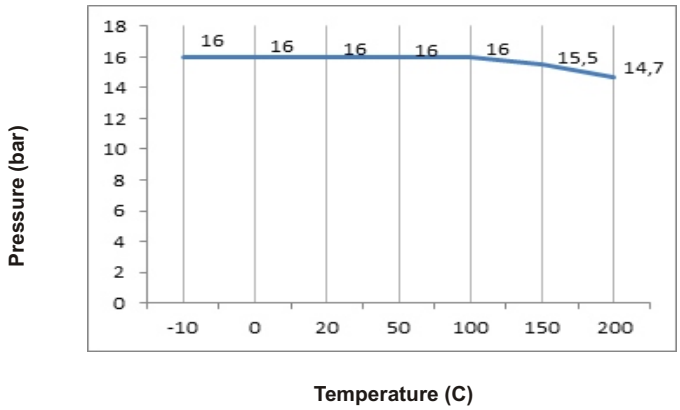
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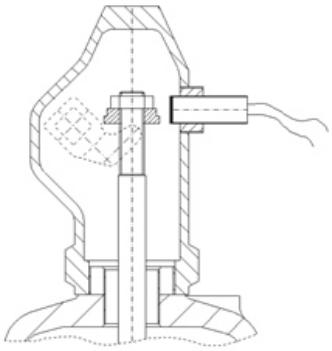
PRESSURE-TEMPERATURE RATINGS



Alloved working conditions range
PN 16 EN-GJS-400-15

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 ÷ +70oC
- 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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figure	775
ends form	threaded angle

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 Tmax 200 °C • normal types for gases and vapours • sealing metal/metal
				02-1 Tmax 200 °C • gas tight types for gases and vapours • sealing metal/metal
				03-1 Tmax 200 °C • type with limitation of constructional disc for liquids sealing metal/metal
				04-1 Tmax 200 °C • type with limitation of constructional disc, gas-tight sealing metal/metal
				05-1 Tmax 200 °C • marine types for gases and vapours • sealing metal/metal
				06-1 Tmax 200 °C • marine type with limitation of constructional disc sealing metal/metal
				07-1 Tmax 200 °C • marine types, gas-tight • sealing metal/metal
				08-1 Tmax 200 °C • marine type with limitation of constructional disc, gas-tight • sealing metal/metal
				01-2 Tmax 120 °C • normal types for gases and vapours • sealing disc NBR
				02-2 Tmax 120 °C • gas tight types for gases and vapours • sealing disc NBR
				03-2 Tmax 120 °C • type with limitation of constructional disc for liquids sealing disc NBR
				04-2 Tmax 120 °C • type with limitation of constructional disc, gas-tight • sealing disc NBR
				05-2 Tmax 120 °C • marine types for gases and vapours • sealing disc NBR
				06-2 Tmax 120 °C • marine type with limitation of constructional disc • sealing disc NBR
				07-2 Tmax 120 °C • marine types, gas-tight • sealing disc NBR
				08-2 Tmax 120 °C • marine type with limitation of constructional disc, gas-tight • sealing disc NBR

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figure	775
ends form	threaded angle

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	01-3 Tmax 120 °C • normal types for gases and vapours • sealing disc EPDM
				02-3 Tmax 120 °C • gas tight types for gases and vapours • sealing disc EPDM
				03-3 Tmax 120 °C • type with limitation of constructional disc for liquids • sealing disc EPDM
				04-3 Tmax 120 °C type with limitation of constructional disc, gas-tight sealing disc EPDM
				05-3 Tmax 120 °C • marine types for gases and vapours • sealing disc EPDM
				06-3 Tmax 120 °C • marine type with limitation of constructional disc • sealing disc EPDM
				07-3 Tmax 120 °C • marine types, gas-tight • sealing disc EPDM
				08-3 Tmax 120 °C • marine type with limitation of constructional disc, gas-tight • sealing disc EPDM

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

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