figure	630
ends form	flanged angle

FULL LIFT SAFETY VALVE



body material	nominal pressure	nominal diameter	max. temperature	ex.index
A grey cast iron	C 16 bar	DN 20-150	300°C	6301 6301.11A
A grey cast iron	C 16 bar	DN 20-150	300°C	6301M
C nodular cast iron	E 40 bar	DN 20-100	300°C	6301S 6301S.11A
F cast steel	E 40 bar	DN 20-150	400°C	6302 6302.11A
R caiced resistant steel	F 63 bar	DN 20-100	300°C	6302CrNi
F cast steel	F 63 bar	DN 20-400	400°C	6303 6303.11A
F cast steel	G 100 bar	DN 25-100	400°C	6304 6304.11A

CE 0045

Body material/PN:	Type:
A / PN16	01-1, 02-1, 05-1,07-1, 01-2(3), 02-2(3), 05-2(3), 07-2(3), 01-4, 02-4, 05-4,07-4
F / PN40	01-1, 02-1, 05-1,07-1, 01-2(3), 02-2(3), 05-2(3), 07-2(3)
F / PN63	01-1, 02-1
R / PN40	02-1, 07-1

CE 1433

Body material/PN:	Type:
A / PN16	03-1, 04-1,06-1, 08-1, 03-2(3), 04-2(3), 06-2(3), 08-2(3)
C / PN40	Wszystkie wykonania
F / PN40	03-1, 04-1,06-1, 08-1, 03-2(3), 04-2(3), 06-2(3), 08-2(3)
F / PN63	03-1, 04-1, 01-2(3), 02-2(3), 03-2(3), 04-2(3)
F / PN100	Wszystkie wykonania
R / PN40	04-1, 08-1

FEATURES

- flanges dimention according PN EN 1092
- 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 (for body material A,C and F)
  for aggressive liquids, vapours and gases; suitable to resistance of materials used to construction of valves(for body material R)

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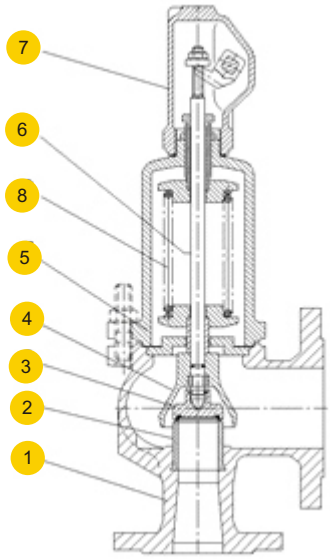
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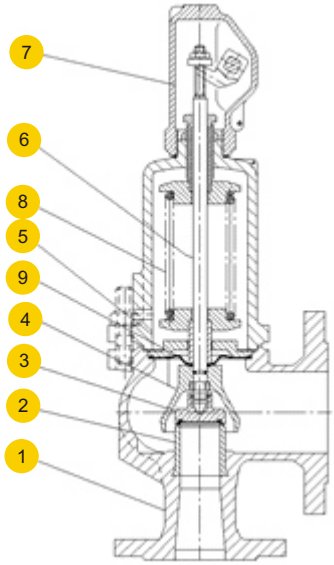


figure	630
ends form	flanged angle

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MATERIALS





	body material	A			C	
	type	01-1, 02-1, 03-1, 04-1 05-1, 06-1, 07-1, 08-1 (ex.6301)	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.6301.11A)	01-4, 02-4, 05-4 07-4 (ex.6301M)	01-1, 02-1, 03-1, 04-1 (ex.6301S)	01-2(3), 02-2(3), 03-2(3), 04-2(3) (ex.6301S.11A)
1	body	EN-GJL-250			EN-GJS-400-18	
2	seat	X39CrMo17-1				
3	disc	X39CrMo17-1	X6CrNiTi18-10/EPDM or /NBR	X6CrNiTi18-10/EPDM	X39CrMo17-1	X6CrNiTi18-10/EPDM or /NBR
4	bell	EN-GJS-400-15 5.3106 (ex.JS 1030)				
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	51CrV4**				
9	membrane			EPDM		
	temperature range	-10...300°C	-10...120°C	-10...120°C	-10...350°C***	-10...120°C

** For marine type (05, 06, 07, 08) stem made of: X17CrNi16-2*
***Springs with wire diameter up to Φ6 of patent wire BI. Max. working temperature is 250°C*
****For steam boilers valid are restrictions according to WUDT-UC-WO-M- it is 10 bar and 200°C.*

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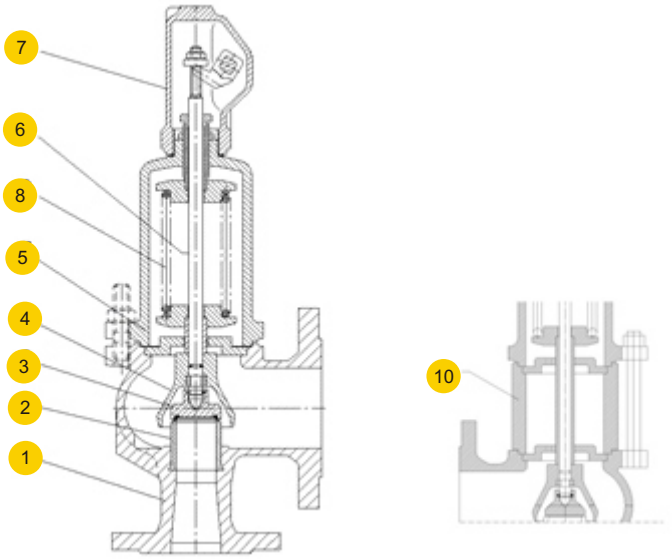
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figure	630
ends form	flanged angle

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MATERIALS



	body material	F		R
	type	01-1, 02-1, 03-1, 04-1 05-1, 06-1, 07-1, 08-1 (ex.6302)	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.6302.11A)	02-1, 04-1 07-1, 08-1 (ex.6302CrNi)
1	body	GP240GH		GX5CrNi9-10
2	seat	X39CrMo17-1		X6CrNiTi18-10
3	disc	X39CrMo17-1	X6CrNiTi18-10/EPDM or /NBR	X6CrNiTi18-10
4	bell	EN-GJS-400-15 5.3106 (ex.JS 1030)		GX5CrNi9-10
5	bonnet	EN-GJS-400-15 5.3106 (ex.JS 1030)/GP240GH	EN-GJS-400-15 5.3106 (ex.JS 1030)	GX5CrNi9-10
6	spindle	X20Cr13*		X6CrNiTi18-10
7	lifting cap	EN-GJS-400-15 5.3106 (ex.JS 1030)		GX5CrNi9-10
8	spring	51CrV4**		X10CrNi18-8
9	membrane			
10	insert	C22		
	temperature range	-40...400°C	-40...120°C	-196...300°C

** For marine type (05, 06, 07, 08) stem made of: X17CrNi16-2*
***Springs with wire diameter up to Φ6 of patent wire BI. Max. working temperature is 250°C*

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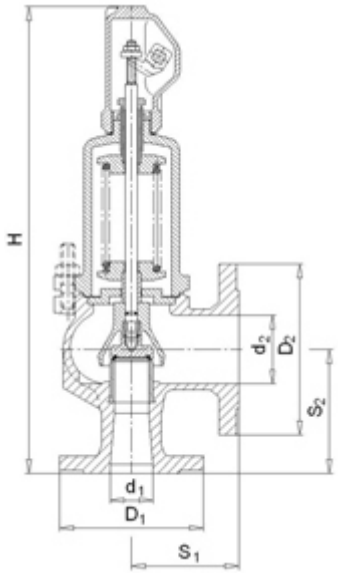
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figure	630
ends form	flanged angle

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DIMENSIONS



body material A														
DN	d_o	A	D_1	D_2	S_1	S_2	H	Type 01-1, 02-1, 03-1, 04-1, 05-1, 06-1, 07-1, 08-1 Opening pressure min max		Type 01-4, 02-4, 05-4, 07-4 Opening pressure min max		Type 01-2(3), 02-2(3), 03-2(3), 04-2(3), 05-2(3), 06-2(3), 07-2(3), 08-2(3) Opening pressure min max		
d1xd2	mm	mm^2	mm					bar		bar		bar		kg
20x32	16	201	105	140	85	95	345	0,45	16*	0,45	10	1	16	7,5
25x40	20	314	115	150	95	105	395	0,45	16*	0,45	10	1	16	9,0
32x50	25	491	140	165	100	110	420	0,45	16*	0,45	10	1	16	13,0
40x65	32	804	150	185	115	130	495	0,45	16*	0,45	10	1	16	19,0
50x80	40	1257	165	200	125	145	550	0,45	16*	0,45	10	1	16	25,0
65x100	50	1964	185	220	140	150	660	0,45	16*	0,45	10	1	16	37,0
80x125	63	3117	200	250	155	170	710	0,45	16*	0,45	10	1	16	52,0
100x150	77	4657	220	285	175	180	810	0,45	16*	0,45	10	1	16	77,0
125x200	93	6793	250	340	215	220	860	0,45	12,5*	-	-	-	-	90,0
150x250	110	9503	285	395	225	245	990	0,45	10	-	-	-	-	140,0

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figure	630
ends form	flanged angle

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DIMENSIONS

body material C												
DN	d_o	A	D_1	D_2	S_1	S_2	H	Type 01-1, 02-1, 03-1, 04-1, 05-1, 06-1, 07-1, 08-1 Opening pressure min max		Type 01-2(3), 02-2(3), 03-2(3), 04-2(3), Opening pressure min max		
d1xd2	mm	mm^2	mm					bar		bar		kg
20x32	16	201	105	140	85	95	345	0,45	40*	1	40*	7,5
25x40	20	314	115	150	95	105	395	0,45	40*	1	40*	9,0
32x50	25	491	140	165	100	110	420	0,45	40*	1	40*	13,0
40x65	32	804	150	185	115	130	495	0,45	32*	1	32*	19,0
50x80	40	1257	165	200	125	145	550	0,45	32*	1	32*	25,0
65x100	50	1964	185	220	140	150	660	0,45	32*	1	32*	37,0
80x125	63	3117	200	250	155	170	710	0,45	25*	1	25*	52,0
100x150	77	4657	239	285	175	180	810	0,45	20*	1	20*	77,0

body material F/R									body material F				body material R		body material F/R
DN	d_o	A	D_1	D_2	S_1	S_2	H	H with insert	Type 01-1, 02-1, 03-1, 04-1, 05-1, 06-1, 07-1, 08-1 Opening pressure min max		Type 01-2(3), 02-2(3), 03-2(3), 04-2(3), 05-2(3), 06-2(3), 07-2(3), 08-2(3) Opening pressure min max		Type 02-1, 04-1, 07-1, 08-1 Opening pressure min max		
d1xd2	mm	mm^2	mm						bar		bar		bar		kg
20x32	16	201	105	140	85	95	345	405	0,45	40	1	40	0,5	40	8,0
25x40	20	314	115	150	95	105	395	465	0,45	40	1	40	0,5	40	10,0
32x50	25	491	140	165	100	110	420	495	0,45	40	1	40	0,5	40	14,0
40x65	32	804	150	185	115	130	495	585	0,45	32	1	32	0,5	32	20,0
50x80	40	1257	165	200	125	145	550	655	0,45	32	1	32	0,5	32	27,0
65x100	50	1964	185	220	140	150	660	770	0,45	32	1	32	0,5	32	39,0
80x125	63	3117	200	250	155	170	710	840	0,45	25	1	25	0,5	25	55,0
100x150	77	4657	235	285	175	180	810	955	0,45	20	1	20	0,5	20	82,0
125x200	93	6793	270	340	215	220	860	970	0,45	12,5	-	-	-	-	100,0
150x250	110	9503	300	395	225	245	990	-	0,45	10	-	-	-	-	155,0

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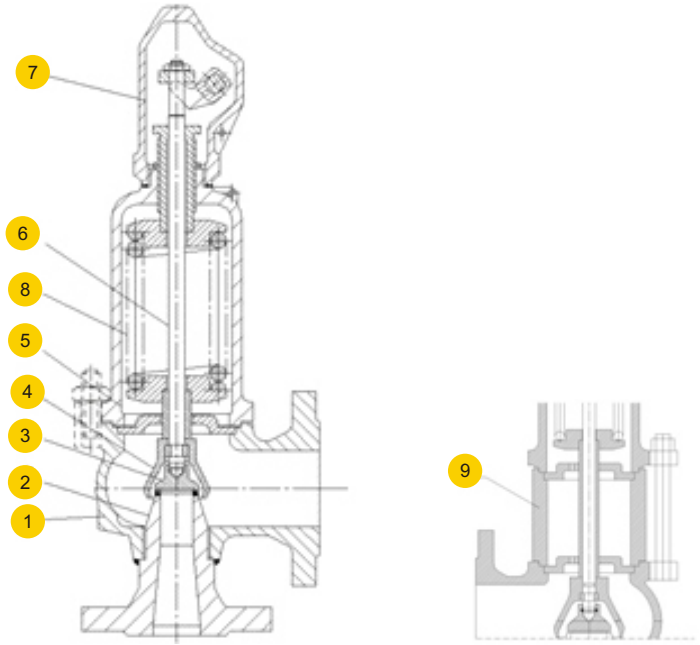
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figure	630
ends form	flanged angle

MATERIALS



	body material	F	
	type	01-1, 02-1, 03-1, 04-1 (ex.6303; 6304)	01-2(3), 02-2(3), 03-2(3), 04-2(3) (ex.6303.11A; 6304.11A)
1	body	GP240GH	
2	inlet nozzle	C22, P355N, 13CrMo4-5*,****	
3	disc	X39CrMo17-1**	X6CrNiTi18-10/EPDM or /NBR
4	bell	EN-GJS-400-15 5.3106 (ex.JS 1030)***	
5	bonnet	GP240GH	
6	spindle	X20Cr13	
7	lifting cap	EN-GJS-400-15 5.3106 (ex.JS 1030)***	
8	spring	51CrV4	
9	insert	C22	-
	temperature range	-40...400°C	-40...120°C

** ex.6303 - up DN 125 GP240GH*
***ex.6303 - from DN 200 GX5CrNi19-10*
****ex.6303 - from DN 200 GP240GH*
***** for temperature under -10°C - nozzle material P355N*

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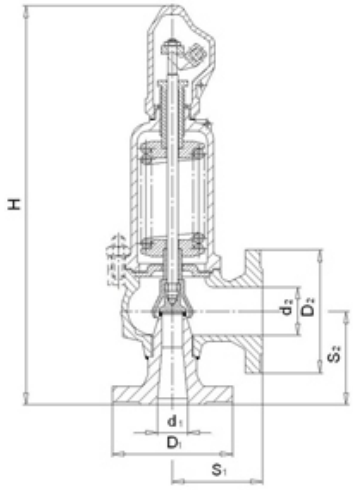
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figure	630
ends form	flanged angle

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DIMENSIONS



body material F type 01-1,02-1, 03-1, 04-1 (ex. 6303)															
DN	d_o	A	D_1			D_2			S_1	S_2	H	H with insert	Opening pressure min	max	
d1xd2	mm	mm^2	mm						mm				bar		kg
			PN25	PN40	PN63	PN10	PN25	PN40							
20x32	16	201	105*		130		140		95	110	400	470	38	62	12,0
25x40	20	314	115*		140		150		100	110	420	495	38	62	14,0
32x50	25	491	140*		155		165		110	115	475	560	38	62	20,0
40x65	32	804	150*		170		185		130	140	535	640	30	50	28,0
50x80	40	1257	165*		180		200		145	150	650	760	30	50	40,0
65x100	50	1964	185*		205		235		155	160	685	815	30	50	50,0
80x125	63	3117	200*		215		270		190	180	790	935	23	40	80,0
100x150	77	4657	235*		250		300		210	200	940	-***	18	32	130,0
125x200	93	6793	270*		295	340	360		215	220	980	-***	12	25	150,0
150x250	110	9503	300			405**			225	245	1020	-***	9,5	16	180,0
200x300	155	18870	360			445			265	290	1210	-***	0,45	10	300,0
300x400	220	38010	485			565			335	370	1480	-***	0,3	7	470,0
400x500	280	61575	620			670			375	415	1650	-***	0,25	4,5	550,0

** If the opening pressure make it possible - on client's request*
***drill of outlet flange for PN 16*
****type with insert for DN > 80, on client's request*
For temperatures above 350oC the execution with insert is recommended.

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figure	630
ends form	flanged angle

DIMENSIONS

body material F typel01-2(3),02-2(3), 03-2(3), 04-2(3) (ex6303.11A)									Opening pressure min max		
DN	d_o	A	D_1		D_2	S_1	S_2	H			
d1xd2	mm	mm^2	mm			mm			bar		kg
			PN40	PN63	PN40						
20x32	16	201	105*	130	140	95	110	400	38	62	12,0
25x40	20	314	115*	140	150	100	110	420	38	62	14,0
32x50	25	491	140*	155	165	110	115	475	38	62	20,0
40x65	32	804	150*	170	185	130	140	535	30	50	28,0
50x80	40	1257	165*	180	200	145	150	650	30	50	40,0
65x100	50	1964	185*	205	235	155	160	685	30	50	50,0
80x125	63	3117	200*	215	270	190	180	790	23	40	80,0
100x150	77	4657	235*	250	300	210	200	940	18	32	130,0

* *If the opening pressure make it possible - on client's request*

body material F type 01-1, 02-1, 03-1, 04-1, 01-2(3),02-2(3), 03-2(3), 04-2(3) (ex.6304/6304.11A)										Opening pressure min max		
DN	d_o	A	D_1		D_2	S_1	S_2	H	H with insert			
d1xd2	mm	mm^2	mm			mm				bar		kg
			PN63	PN100	PN40							
25x40	16	201	-	140	150	100	120	430	505	60	95	15,0
32x50	20	314	-	155	165	110	125	485	570	60	95	20,0
40x65	25	491	-	170	185	130	140	535	640	48	95	28,0
50x80	32	804	-	195	200	145	150	650	760	48	95	40,0
65x100	40	1257	-	220	235	155	165	685	812	48	95	50,0
80x125	50	1964	-	230	270	190	185	795	940	38	78	80,0
100x150	63	3117	250	-	300	210	200	940	-*	30	62	130,0

* *If the opening pressure make it possible - on client's request*
For temperatures above 350oC the execution with insert is recommended.

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figure	630
ends form	flanged angle

DISCHARGE COEFFICIENTS

***Body material*: A, C, F, R**
***Type*: 01-1, 02-1, 03-1, 04-1, 05-1, 06-1, 07-1, 08-1, 01-2(3), 02-2(3), 03-2(3), 04-2(3), 05-2(3), 06-2(3), 07-2(3), 08-2(3)**
***Nominal pressure*: C, E**

Type of valve	DN	*for vapours ang gases* α		*with reduction of leap*			
				for liquids α_c			*for vapours and gases* α
		b_1 = 0,1bar ($p \leq$ 1bar) or b_1= 10% 1 < $p \leq$ 1,4 bar	b_1 = 10% p > 1,4 bar	b_1 = 10%		b_1= 25%	b_1=10%
				p ≤ 6 bar	p > 6 bar		
630	20 do 150	0,72	0,78	0,01	0,28	0,28	0,36

***Body material*: A**
***Type*: 01-4, 02-4, 05-4, 07-4**
***Nominal pressure*: C**

Type of valve	DN	*for vapours ang gases* α		*for liquids* α_c	
		b_1= 15% p ≤ 1,4 bar	b_1 = 10% p > 1,4 bar	b_1 = 15% p ≤ 1,4 bar	b_1 = 10% p > 1,4 bar
630	20 do 100	0,72	0,78	0,50	0,50

***Body material*: F**
***Type*: 01-1, 02-1, 03-1, 04-1, 01-2(3), 02-2(3), 03-2(3), 04-2(3)**
***Nominal pressure*: F**

Type of valve	DN	*for vapours ang gases* α		*with reduction of leap*		
				for liquids α_c		*for vapours ang gases* α
		b_1 = 0,1bar ($p \leq$ 1bar) lub b_1= 10% 1 < $p \leq$ 1,4 bar	b_1 = 10% p > 1,4 bar	b_1 = 10%	b_1= 25%	b_1=10%
630	20 do 150	–	0,78	0,28	–	0,36
	200	0,70	0,74	0,01[1)]	0,21[1)]	–
	300	0,54	0,70		0,19[1)]	
	400				0,16[1)]	

***Body material*: F**
***Type*: 01-1, 02-1, 03-1, 04-1, 01-2(3), 02-2(3), 03-2(3), 04-2(3)**
***Nominal pressure*: G**

Type of valve	DN	*for vapours ang gases* α	*with reduction of leap*	
			for liquids α_c	*for vapours ang gases* α
		b_1 = 10%	b_1 = 10%	b_1=10%
630	25 do 100	0,78	0,28	0,36

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figure	630
ends form	flanged angle

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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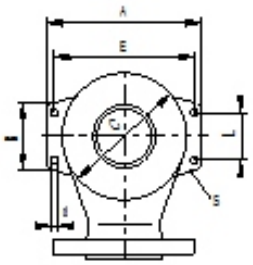
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figure	630
ends form	flanged angle

DIMENSIONS OF SUPPORTED ARMS

Drill of supported arms only onto client's wish



***Body material*: F**
***Nominal pressure*: E**

DN	A	B	C	L	E	d	s
	mm						
40 x 65	180	84	134	65	155	14	10
50 x 80	210	93	160	70	180	14	12
65 x 100	245	94	196	70	215	14	12
80 x 125	300	100	240	90	270	18	15
100 x 150	320	160	280	130	285	18	15
125 x 200	365	120	300	90	330	18	15
150 x 250	415	150	360	120	380	18	15

***Body material*: R**
***Nominal pressure*: E**

DN	A	B	C	L	E	d	s
	mm						
40 x 65	180	84	134	65	155	14	10
50 x 80	210	93	160	70	180	14	12
65 x 100	245	94	196	70	215	14	12
80 x 125	300	100	240	90	270	18	15
100 x 150	320	160	280	130	285	18	15

***Body material*: F**
***Nominal pressure*: F**

DN	A	B	C	L	E	d	s
	mm						
40 x 65	186	93	140	70	156	14	12
50 x 80	210	95	165	70	180	14	12
65 x 100	250	95	205	70	220	14	12
80 x 125	295	120	240	90	260	18	15
100 x 150	320	120	265	90	285	18	15
125 x 200	365	120	300	90	330	18	15
150 x 250	415	150	360	120	380	18	15
200 x 300	510	180	450	150	470	23	20
300 x 400	695	210	600	180	655	23	20
400 x 500	800	230	715	200	760	23	20

***Body material*: F**
***Nominal pressure*: G**

DN	A	B	C	L	E	d	s
	mm						
40 x 65	186	93	140	70	156	14	12
50 x 80	210	95	165	70	180	14	12
65 x 100	250	95	205	70	220	14	12
80 x 125	295	120	240	90	260	18	15
100 x 150	320	120	265	90	285	18	15

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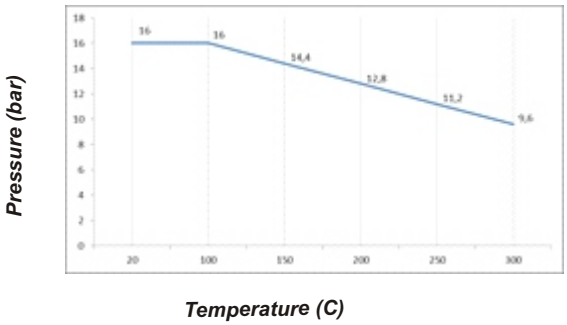
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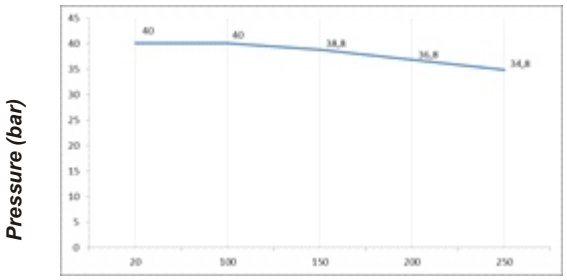


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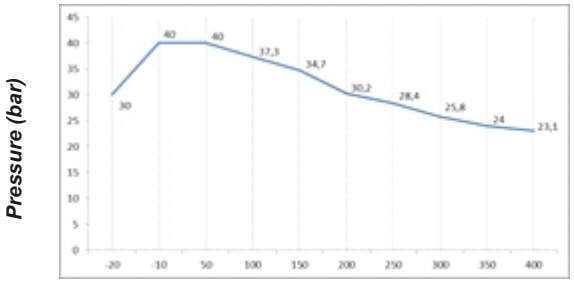
PRESSURE-TEMPERATURE RATINGS



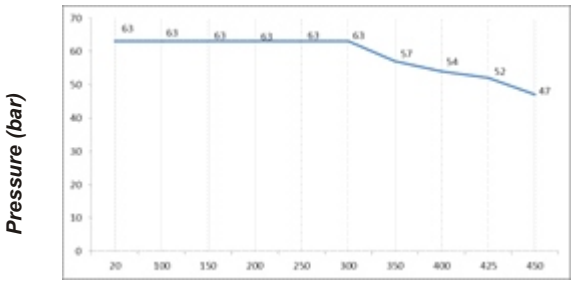
Allowed working conditions range
PN 16 EN-GJL 250



Allowed working conditions range
PN 40 EN-GJS-400-18



Allowed working conditions range
PN 40 GP240GH 1.0619



Alloved working conditions range
13CrMo4-5 Pn63

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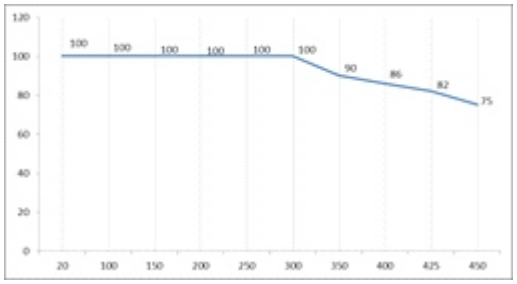
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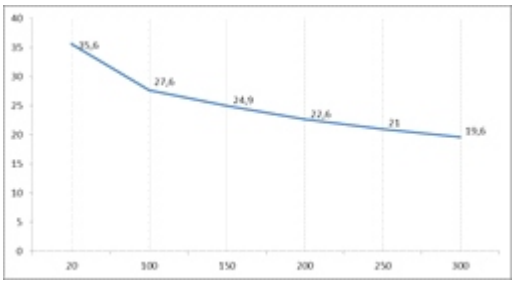


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PRESSURE-TEMPERATURE RATINGS



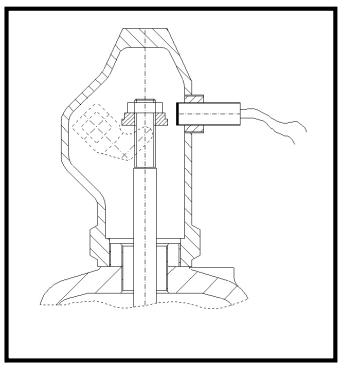
Allowed working conditions range
13CrMo4-5 Pn100



Allowed working conditions range
GX5CrNi19-10 PN40

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	630
ends form	flanged angle

TYPES

figure	body material	nominal diameter DN	nominal pressure PN	type
630	A nodular cast iron EN-GJL-250	20-150 mm	C 16bar	01-1 Tmax 300 °C • normal types for gases and vapours • sealing metal/metal
				02-1 Tmax 300 °C • gas tight types for gases and vapours • sealing metal/metal
				03-1 Tmax 300 °C • type with limitation of constructional disc for liquids sealing metal/metal
				04-1 Tmax 300 °C • type with limitation of constructional disc, gas-tight sealing metal/metal
				05-1 Tmax 300 °C • marine types for gases and vapours • sealing metal/metal
				06-1 Tmax 300 °C • marine type with limitation of constructional disc sealing metal/metal
				07-1 Tmax 300 °C • marine types, gas-tight • sealing metal/metal
				08-1 Tmax 300 °C • marine type with limitation of constructional disc, gas-tight • sealing metal/metal
		20-100 mm	C 16bar	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	630
ends form	flanged angle

TYPES

figure	body material	nominal diameter DN	nominal pressure PN	type
630	A nodular cast iron EN-GJL-250	20-100 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
				01-4 Tmax 120 °C • normal types for gases and vapours • membrane with sealing disc EPDM
				02-4 Tmax 120 °C • gas tight types for gases and vapours • membrane with sealing disc EPDM
				05-4 Tmax 120 °C • marine types for gases and vapours • membrane with sealing disc EPDM
				07-4 Tmax 120 °C • marine types, gas-tight • membrane with sealing disc EPDM

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TYPES

figure	body material	nominal diameter DN	nominal pressure PN	type
630	C nodular cast iron EN-GJS-400-18-LT	20-100 mm	E 40bar	01-1 Tmax 300 °C — normal types for gases and vapours • sealing metal/metal
				02-1 Tmax 300 °C — gas tight types for gases and vapours • sealing metal/metal
				03-1 Tmax 300 °C — type with limitation of constructional disc for liquids • sealing metal/metal
				04-1 Tmax 300 °C — 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
				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

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TYPES

figure	body material	nominal diameter DN	nominal pressure PN	type
630	F cast steel GP240GH	20-150 mm	E 40bar	01-1 Tmax 400 °C — normal types for gases and vapours • sealing metal/metal
				02-1 Tmax 400 °C — gas tight types for gases and vapours • sealing metal/metal
				03-1 Tmax 400 °C — type with limitation of constructional disc for liquids sealing metal/metal
				04-1 Tmax 400 °C — type with limitation of constructional disc, gas-tight sealing metal/metal
				05-1 Tmax 400 °C — marine types for gases and vapours • sealing metal/metal
				06-1 Tmax 400 °C — marine type with limitation of constructional disc sealing metal/metal
				07-1 Tmax 400 °C — marine types, gas-tight • sealing metal/metal
				08-1 Tmax 400 °C — marine type with limitation of constructional disc, gas-tight • sealing metal/metal
		20-100 mm	E 40bar	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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TYPES

figure	body material	nominal diameter DN	nominal pressure PN	type
630	F cast steel GP240GH	20-100 mm	E 40bar	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

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TYPES

figure	body material	nominal diameter DN	nominal pressure PN	type
630	F cast steel GP240GH	20-400 mm	F 63bar	01-1 Tmax 400 °C — normal types for gases and vapours • sealing metal/metal
				02-1 Tmax 400 °C — gas tight types for gases and vapours • sealing metal/metal
				03-1 Tmax 400 °C — type with limitation of constructional disc for liquids • sealing metal/metal
				04-1 Tmax 400 °C — type with limitation of constructional disc, gas-tight • sealing metal/metal
		20-100 mm	F 63bar	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
				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

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TYPES

figure	body material	nominal diameter DN	nominal pressure PN	type
630	F cast steel GP240GH	20-400 mm	G 100bar	01-1 Tmax 400 °C — normal types for gases and vapours • sealing metal/metal
				02-1 Tmax 400 °C — gas tight types for gases and vapours • sealing metal/metal
				03-1 Tmax 400 °C — type with limitation of constructional disc for liquids • sealing metal/metal
				04-1 Tmax 400 °C — type with limitation of constructional disc, gas-tight • sealing metal/metal
	R acid resistant steel	20-100 mm	E 40bar	02-1 Tmax 300 °C — gas tight types for gases and vapours • sealing metal/metal
				04-1 Tmax 300 °C — type with limitation of constructional disc, gas-tight • sealing metal/metal
				07-1 Tmax 300 °C — marine types, gas-tight • sealing metal/metal
				08-1 Tmax 300 °C — marine type with limitation of constructional disc, gas-tight • sealing metal/metal

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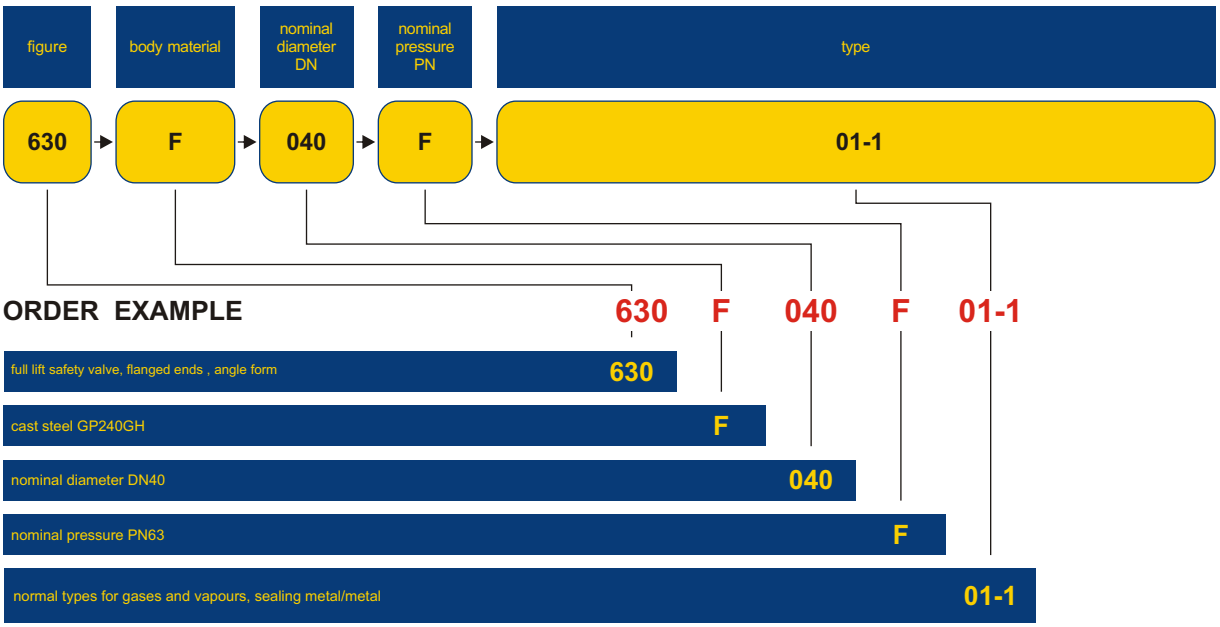
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