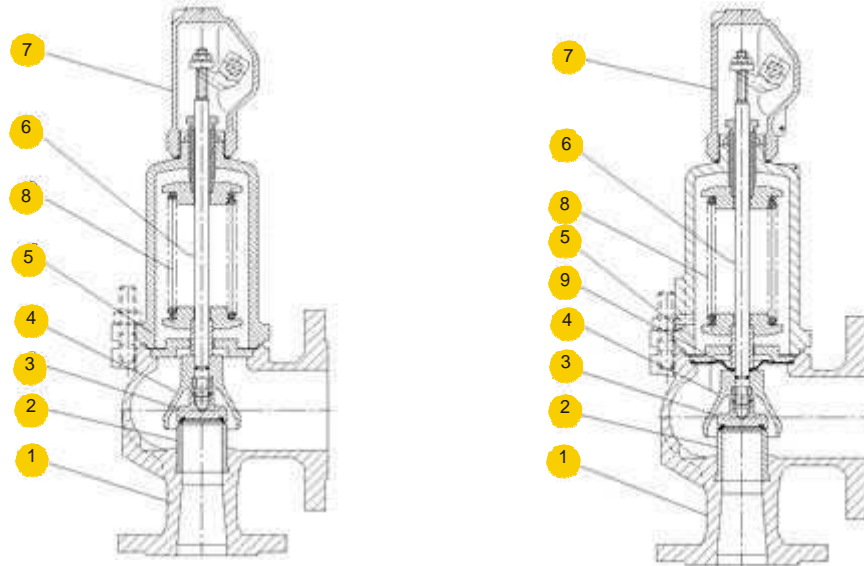




figure	630
ends form	flanged angle

MATERIALS



materiale		A			C	
tipo		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 tipo (05, 06, 07, 08) stem made of: X17CrNi16-2

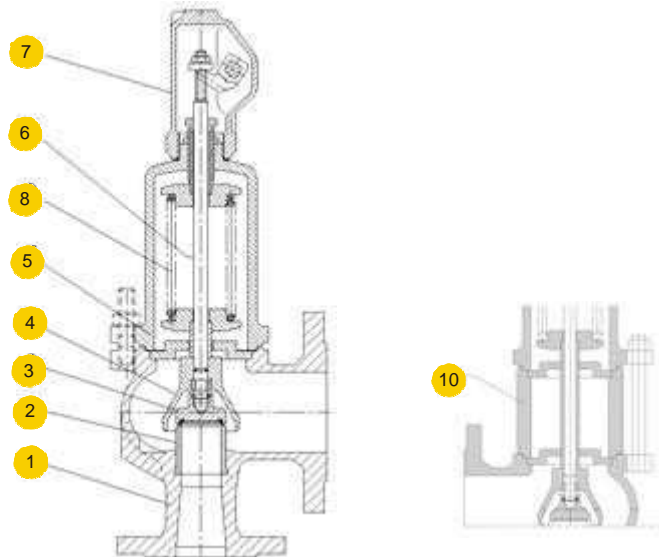
** Springs with wire diameter up to $\Phi 6$ of patent wire Bl. Max. working temperature is 250°C

***For steam boilers valid are restrictions according to WUDT-UC-WO-M- it is 10 bar and 200°C.



figure	630
ends form	flanged angle

MATERIALS



	<i>body material</i>	F		R
	<i>tipo</i>	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	<i>body</i>	GP240GH		GX5CrNi9-10
2	<i>seat</i>	X39CrMo17-1		X6CrNiTi18-10
3	<i>disc</i>	X39CrMo17-1	X6CrNiTi18-10/EPDM or /NBR	X6CrNiTi18-10
4	<i>bell</i>	EN-GJS-400-15 5.3106 (ex.JS 1030)		GX5CrNi9-10
5	<i>bonnet</i>	EN-GJS-400-15 5.3106 (ex.JS 1030)/GP240GH	EN-GJS-400-15 5.3106 (ex.JS 1030)	GX5CrNi9-10
6	<i>spindle</i>	X20Cr13*		X6CrNiTi18-10
7	<i>lifting cap</i>	EN-GJS-400-15 5.3106 (ex.JS 1030)		GX5CrNi9-10
8	<i>spring</i>	51CrV4**		X10CrNi18-8
9	<i>membrane</i>			
10	<i>insert</i>	C22		
	temperature range	-40...400°C	-40...120°C	-196...300°C

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

**Springs with wire diameter up to $\Phi 6$ of patent wire Bl. Max. working temperature is 250°C



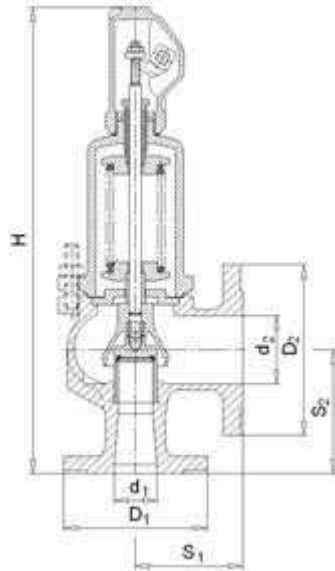
figure


630

ends
form

flanged
angle

DIMENSIONS



body material A														
DN	d _o	A	D ₁	D ₂	S ₁	S ₂	H	Tipo u1-1, uz-1, u3-1, 04-1, 05-1, 06-1, 07-1, 08-1		Tipo 01-4, 02-4, 05-4, 07-4		Tipo 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		Opening pressure min max		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

DIMENSIONS

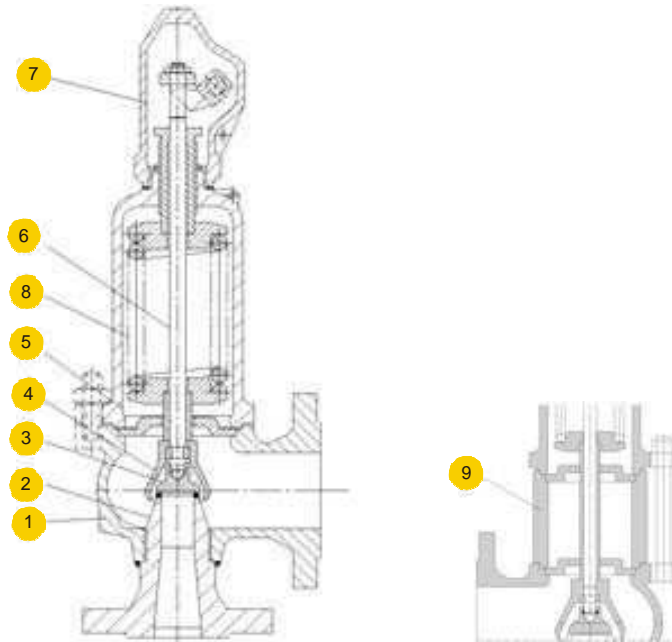
body material C												
DN	d _o	A	D ₁	D ₂	S ₁	S ₂	H	Tipo 01-1, 02-1, 03-1, 04-1, 05-1, 06-1, 07-1, 08-1		Tipo 01-2(3), 02-2(3), 03-2(3), 04-2(3)		
								Opening pressure min max		Opening pressure min max		
d1xd2	mm	mm ²	mm					bar		bar		kg
20x32	16	201	105	140	85	95	345	0,45	40*	1	40*	7,5
25x40	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	Tipo 01-1, 02-1, 03-1, 04-1, 05-1, 06-1, 07-1, 08-1		Tipo 01-2(3), 02-2(3), 03-2(3), 04-2(3), 05-2(3), 06-2(3), 07-2(3), 08-2(3)		Tipo 02-1, 04-1, 07-1, 08-1		
									Opening pressure min max		Opening pressure min max		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



figure	630
ends form	flanged angle

MATERIALS



materiale		F	
tipo		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



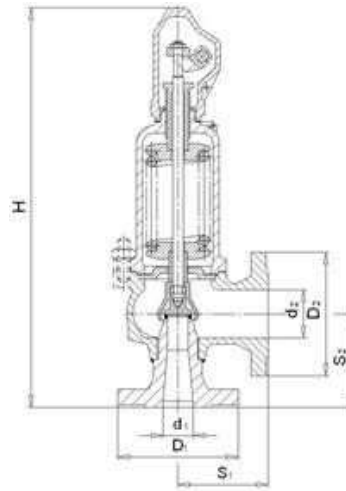
figure


630

ends
form

flanged
angle

DIMENSIONS



body material F tipo 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

***tipo 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 tipo 01-2(3), 02-2(3), 03-2(3), 04-2(3) (ex 6303.11A)											
DN	d _o	A	D ₁		D ₂	S ₁	S ₂	H	Opening pressure min max		
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 tipo 01-1, 02-1, 03-1, 04-1, 01-2(3), 02-2(3), 03-2(3), 04-2(3) (ex.6304/6304.11A)												
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	
			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.



figure	630
ends form	flanged angle

DISCHARGE COEFFICIENTS

Body material: A, C, F, R

Tipo: 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	with reduction of leap – riduzione del salto					
		for vapours ang gases α		for liquids α_c			for vapours and gases α
		$b_1 = 0,1\text{bar}$ ($p \leq 1\text{bar}$) or $b_1 = 10\%$ $1 < p \leq 1,4\text{ bar}$	$b_1 = 10\%$ $p > 1,4\text{ bar}$	$b_1 = 10\%$		$b_1 = 25\%$	$b_1 = 10\%$
		$p \leq 6\text{ bar}$	$p > 6\text{ bar}$				
630	20 do 150	0,72	0,78	0,01	0,28	0,28	0,36

Body material: A

Tipo: 01-4, 02-4, 05-4, 07-4

Nominal pressure: C

Tipo of valve	DN	for vapours ang gases α		for liquids α_c	
		$b_1 = 15\%$ $p \leq 1,4\text{ bar}$	$b_1 = 10\%$ $p > 1,4\text{ bar}$	$b_1 = 15\%$ $p \leq 1,4\text{ bar}$	$b_1 = 10\%$ $p > 1,4\text{ bar}$
630	20 do 100	0,72	0,78	0,50	0,50

Body material: F

Tipo: 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	with reduction of leap				
		for vapours ang gases α		for liquids α_c		for vapours ang gases α
		$b_1 = 0,1\text{bar}$ ($p \leq 1\text{bar}$) lub $b_1 = 10\%$ $1 < p \leq 1,4\text{ bar}$	$b_1 = 10\%$ $p > 1,4\text{ bar}$	$b_1 = 10\%$	$b_1 = 25\%$	$b_1 = 10\%$
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

Tipo: 01-1, 02-1, 03-1, 04-1, 01-2(3), 02-2(3), 03-2(3), 04-2(3)

Nominal pressure: G

Tipo of valve	DN	with reduction of leap		
		for vapours ang gases α	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



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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figure

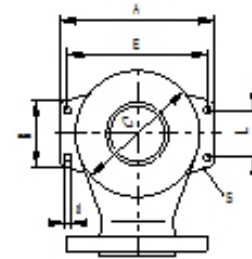
630

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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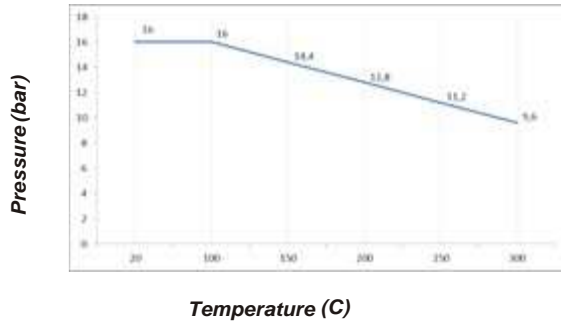
I dati forniti potrebbero variare , consultare il nostro ufficio tecnico per qualsiasi chiarimento

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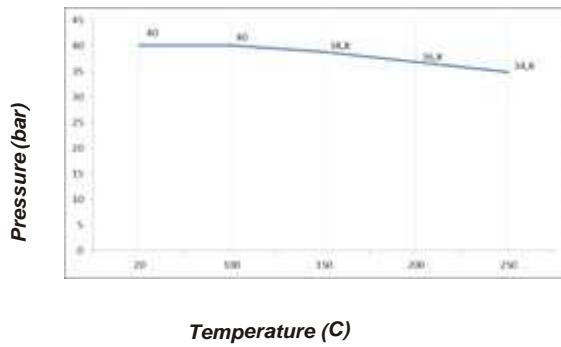


figure	630
ends form	flanged angle

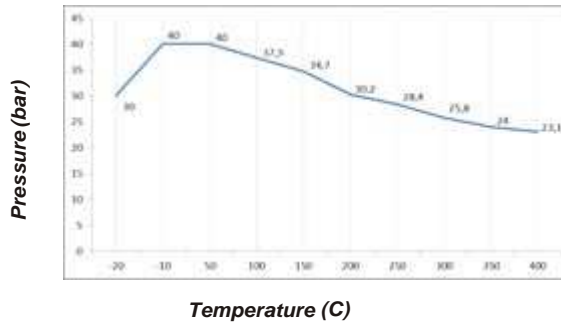
PRESSURE-TEMPERATURE RATINGS



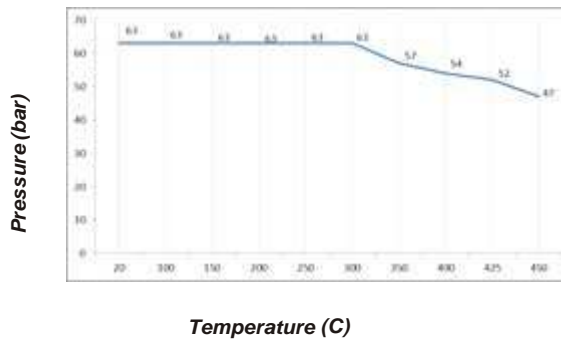
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working conditions range PN 40 EN-GJS-400-18



working conditions range PN 40 GP240GH 1.0619

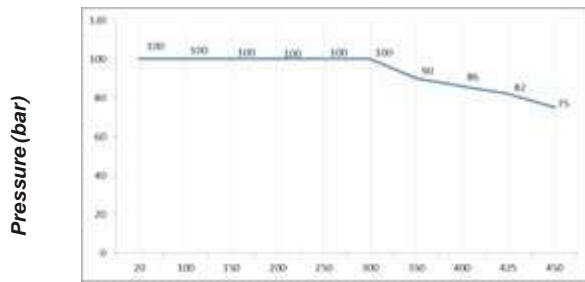


working conditions range 13CrMo4-5 Pn63

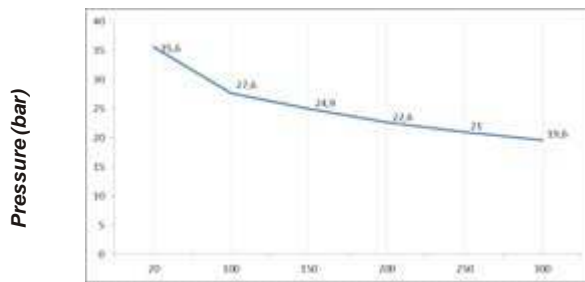


figure	630
ends form	flanged angle

PRESSURE-TEMPERATURE RATINGS



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.

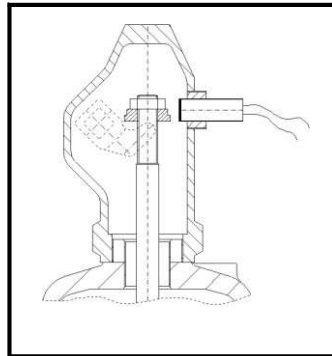




figure	630
ends form	flanged angle

TYPES

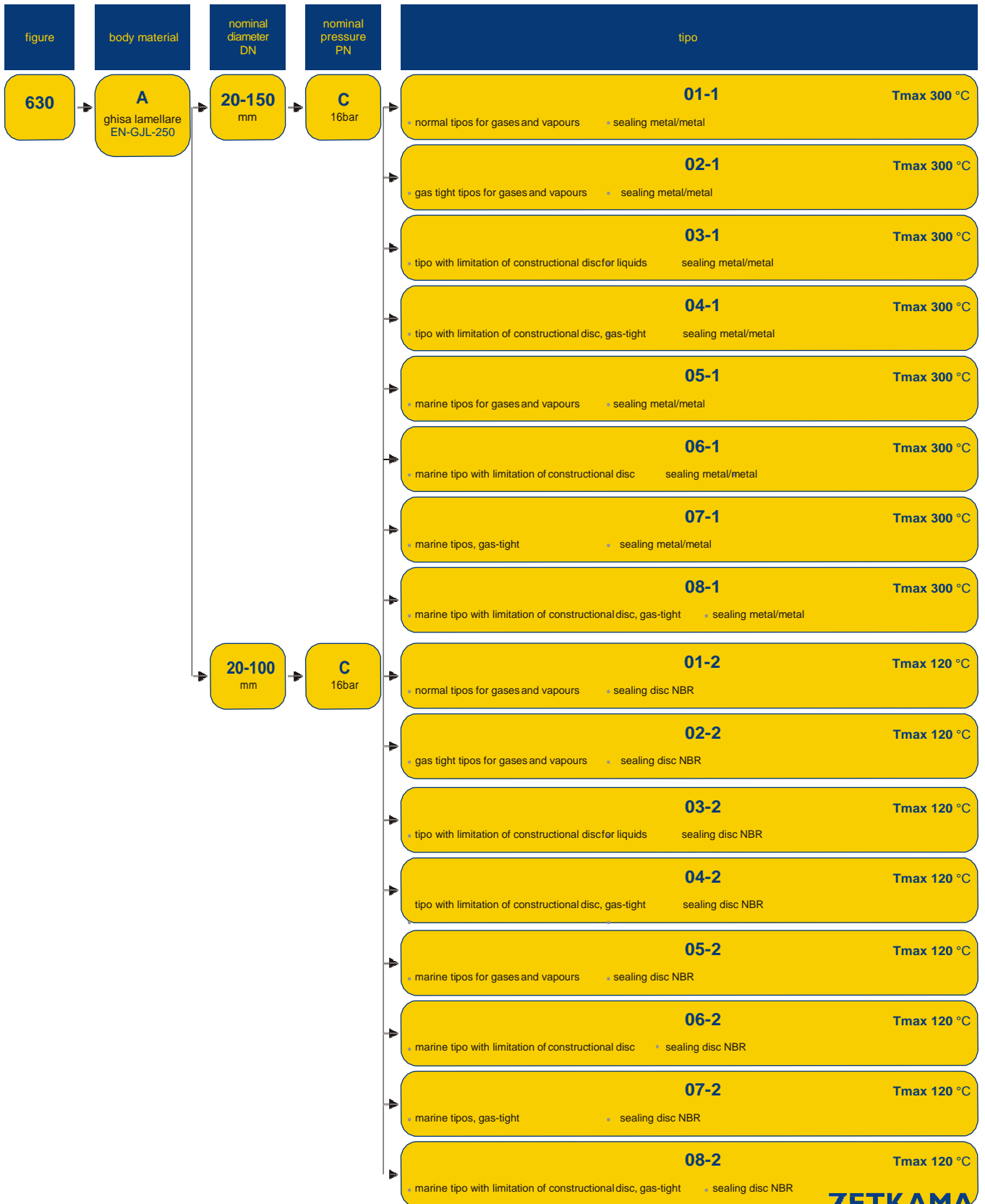




figure	630
ends form	flanged angle

TYPES

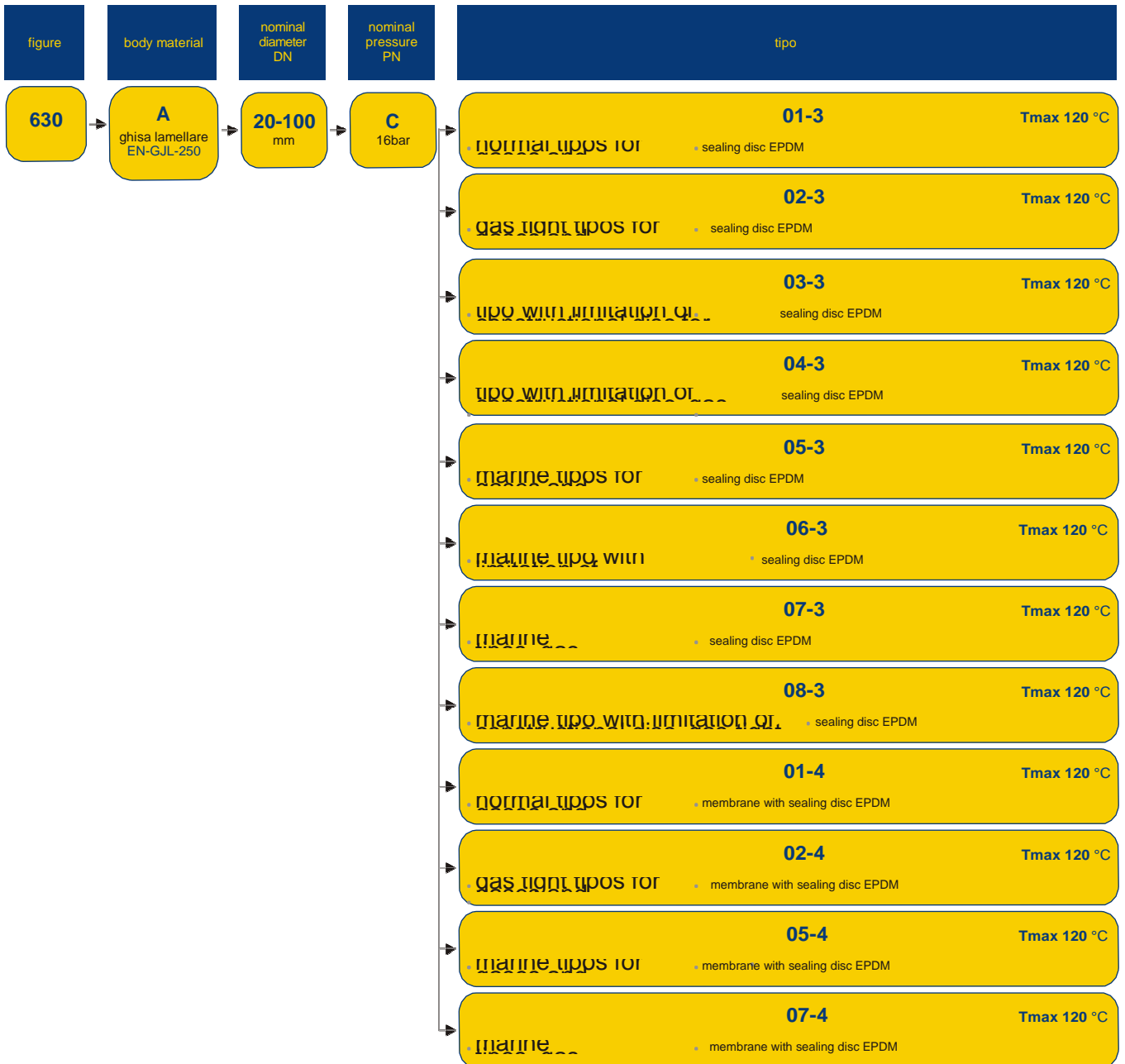




figure	630
ends form	flanged angle

TYPES

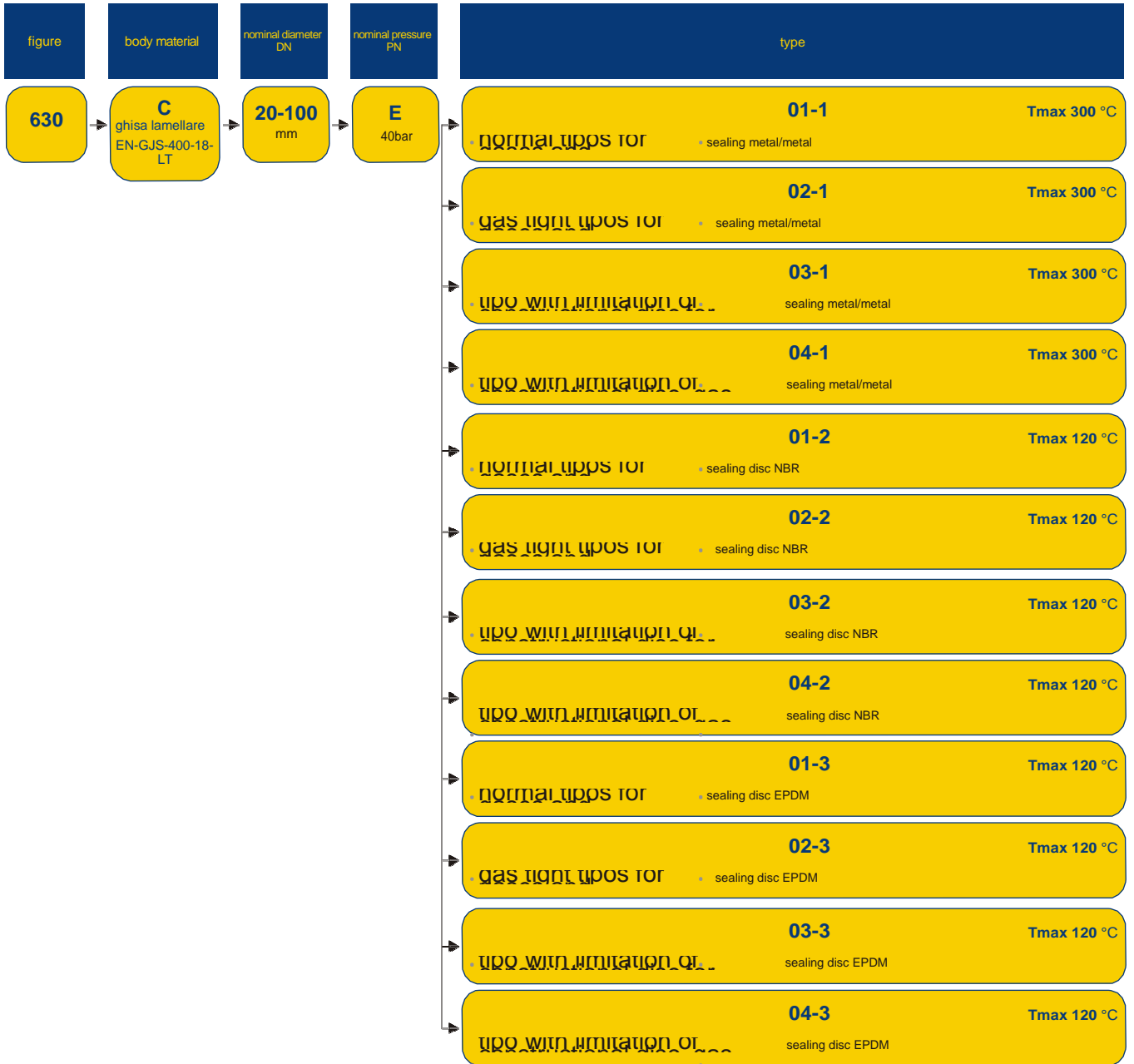




figure	630
ends form	flanged angle

TYPES

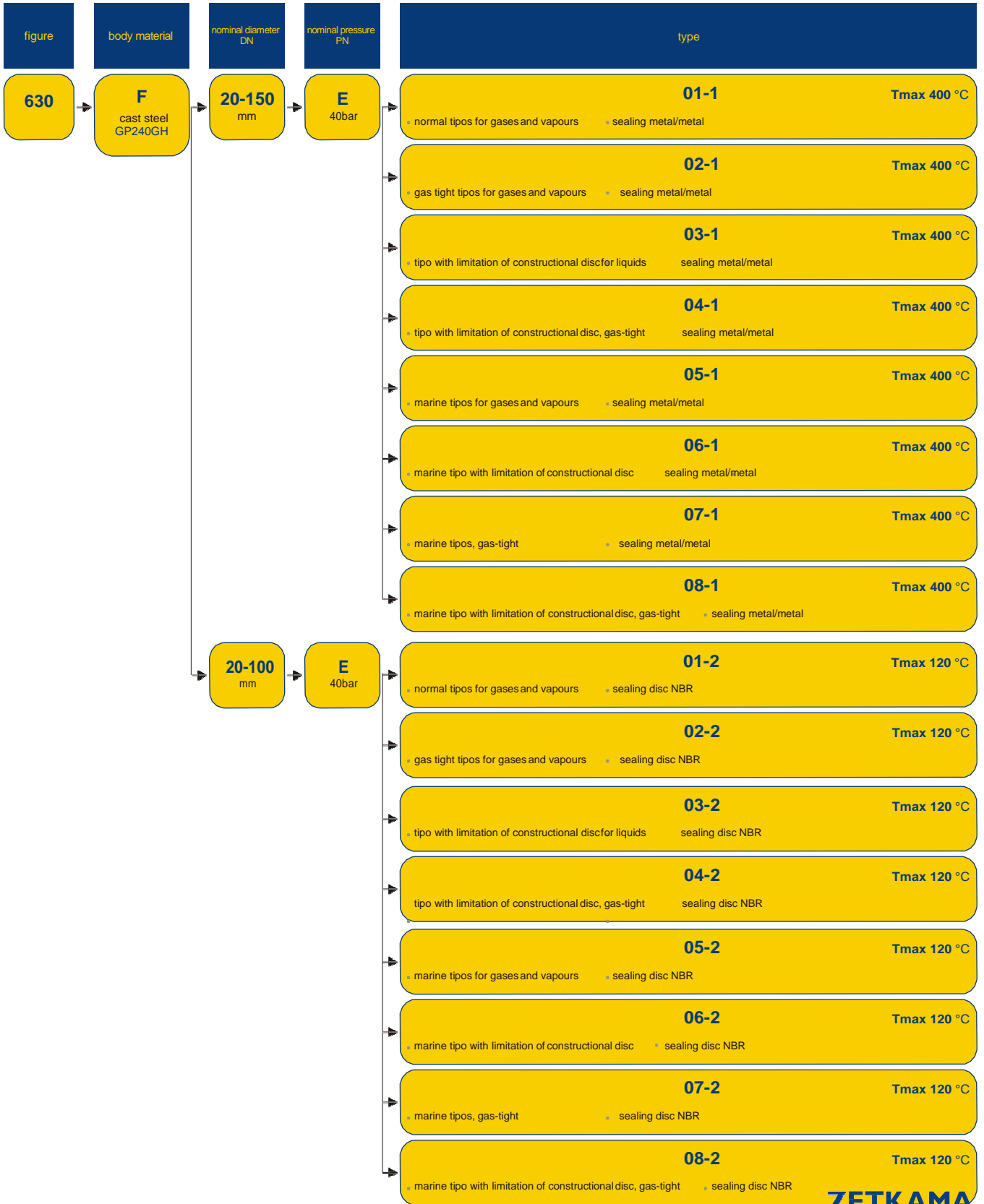




figure	630
ends form	flanged angle

TYPES

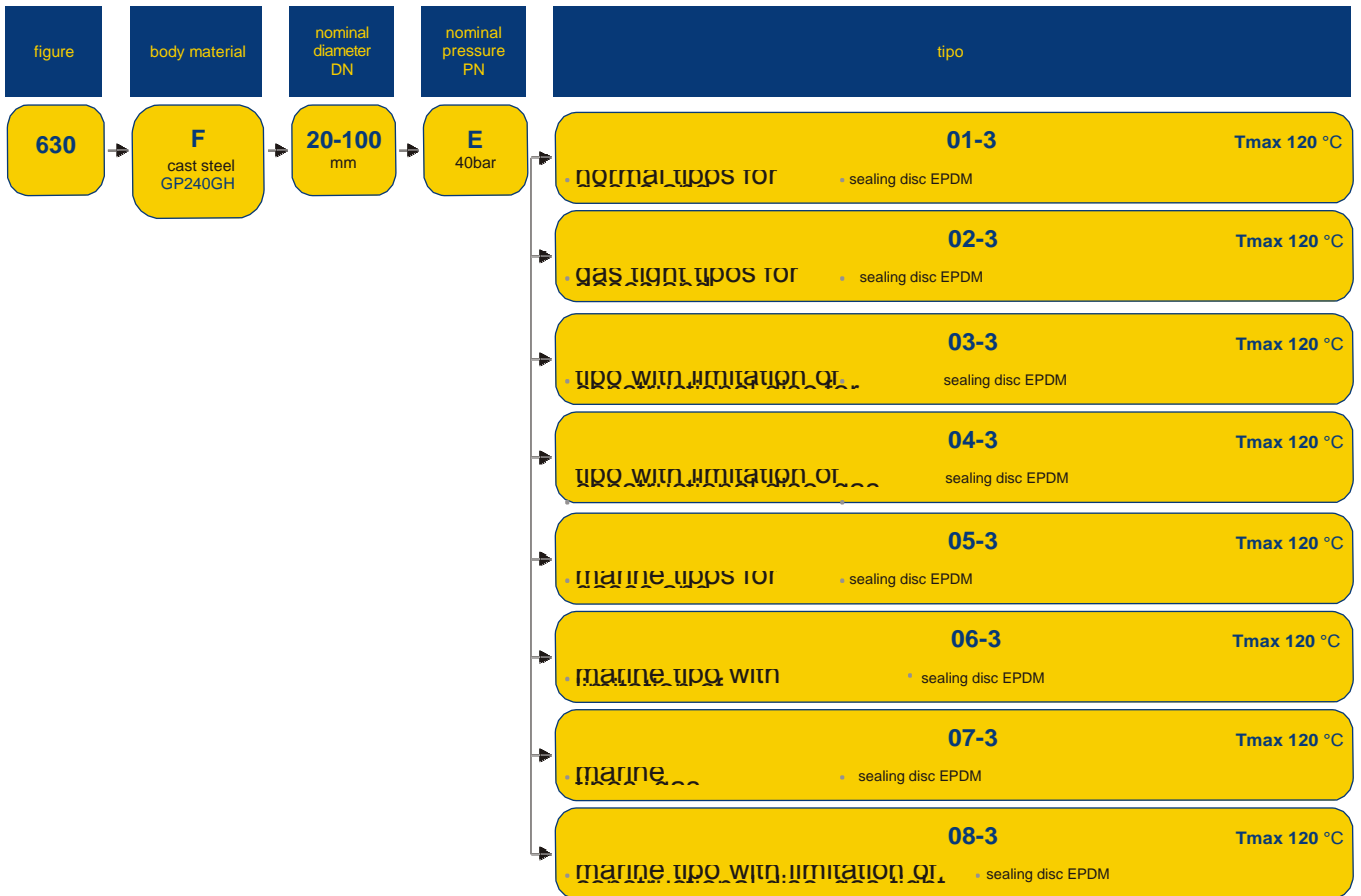




figure	630
ends form	flanged angle

TYPES

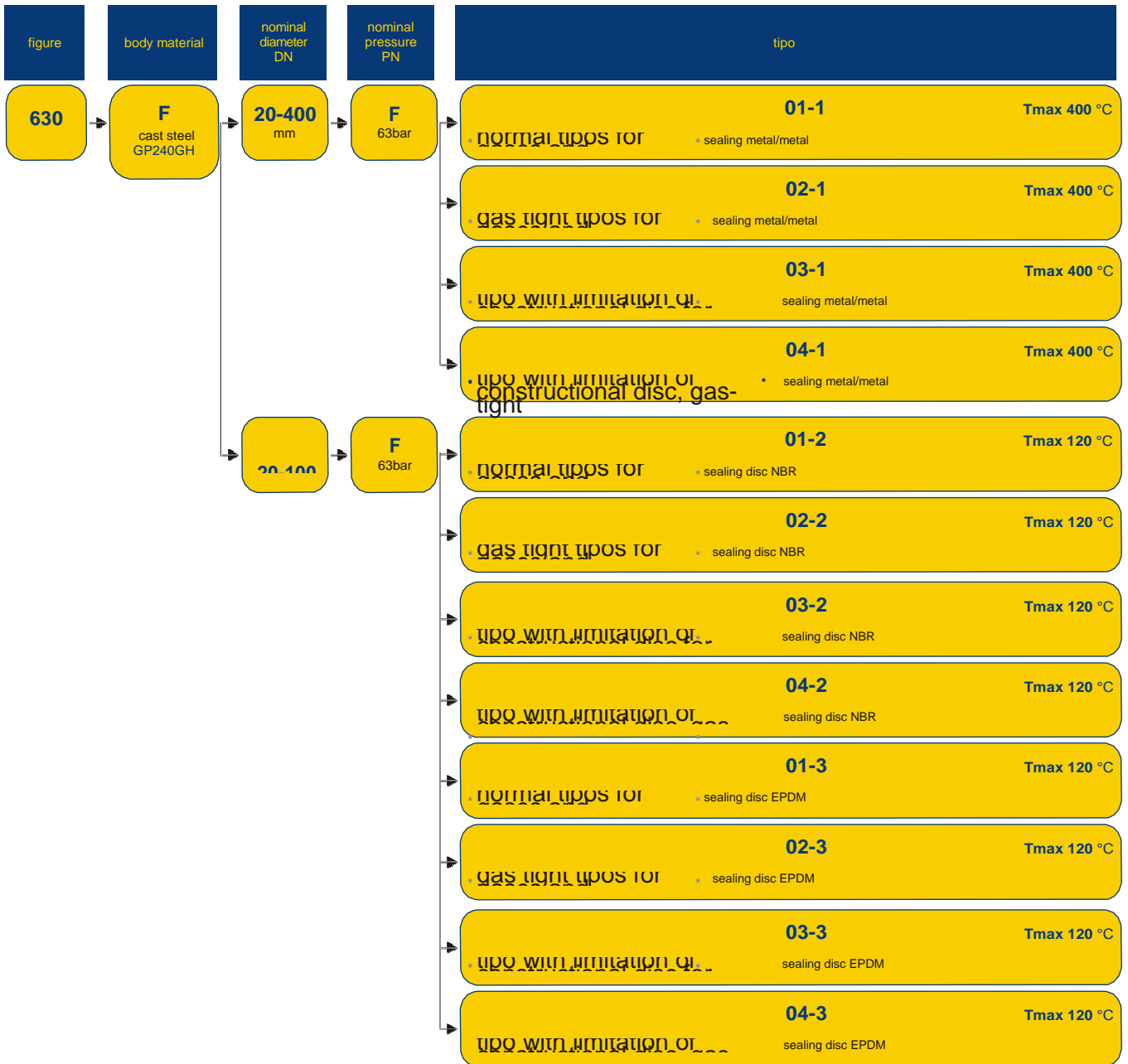




figure	630
ends form	flanged angle

TYPES

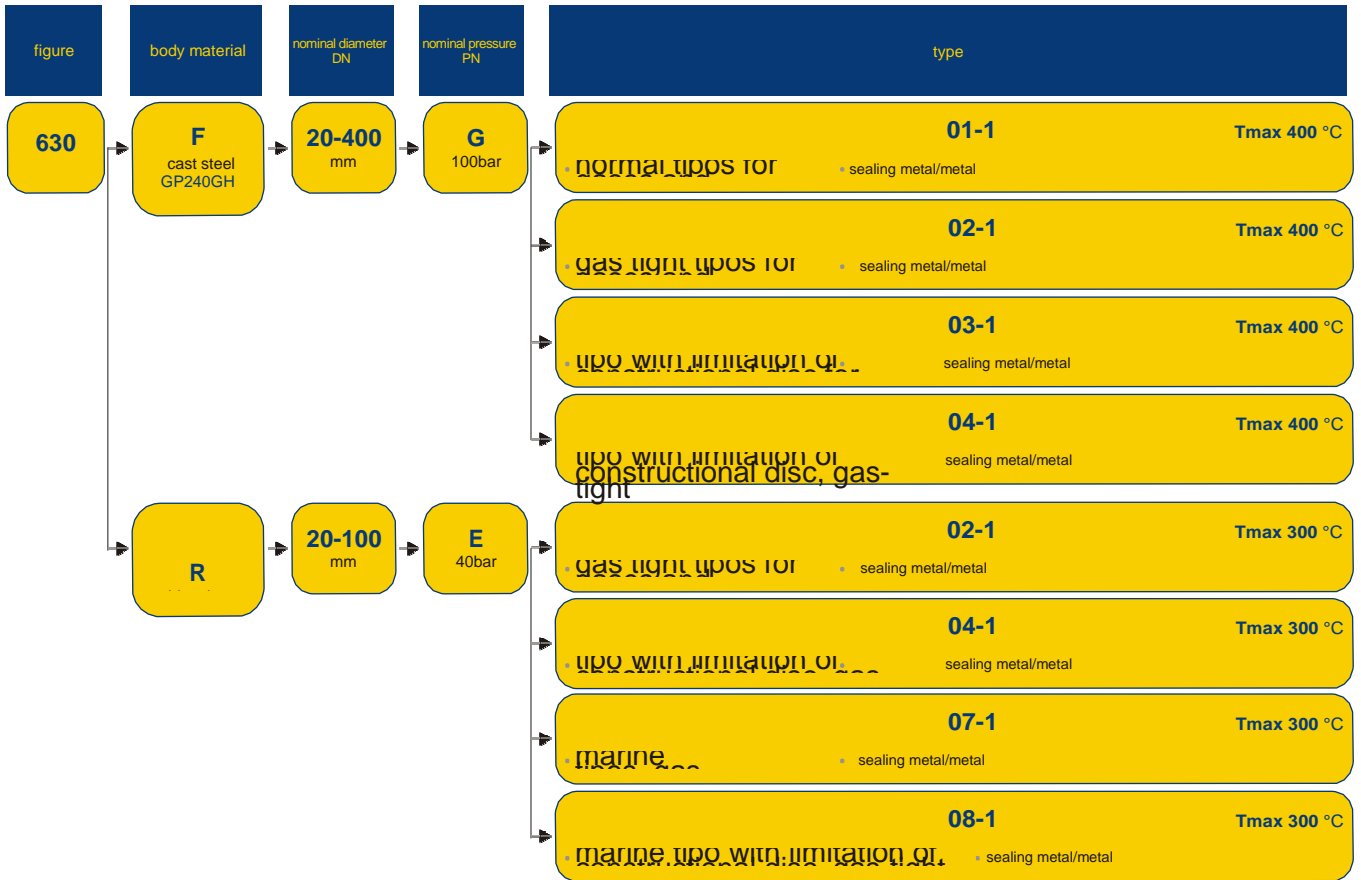




figure	630
ends form	flanged angle

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