

Relief-Valve, springloaded

for steam, gases and liquids in closed completion

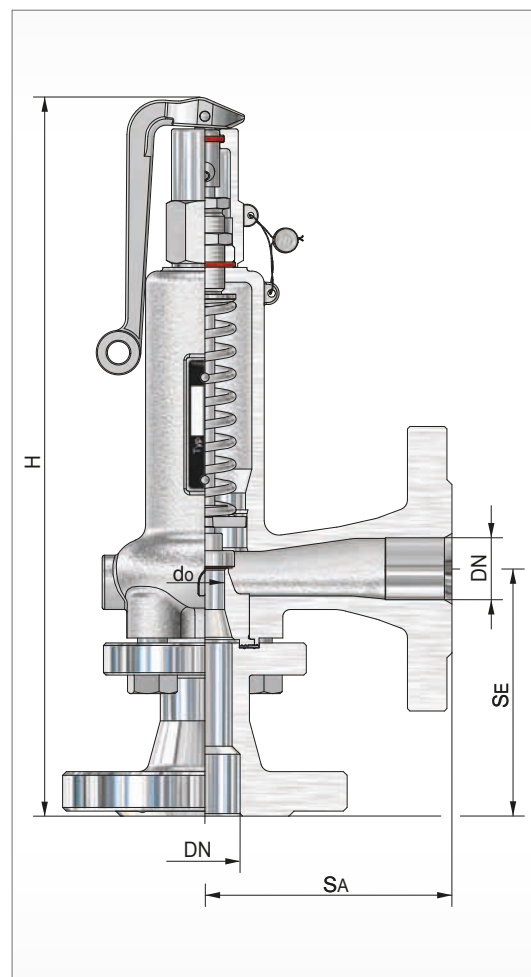
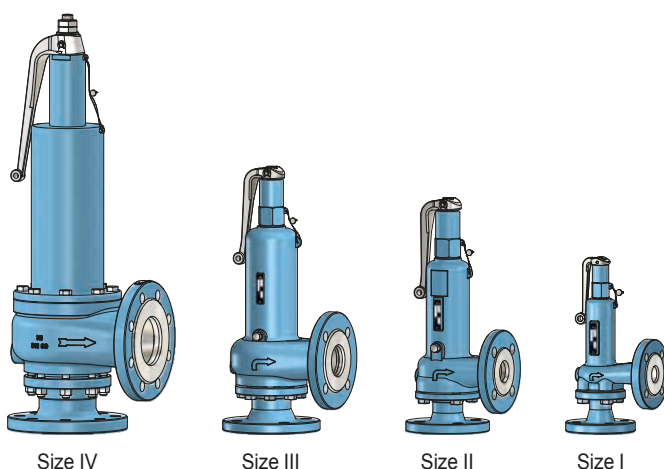
Typ 3

Standard version:

Material:	Inlet body	/ Spring bonnet, outlet body	Temperature ranges metal seated
Typ 3.1: BG I	1.0460	/ 0.7043	-10°C to 280°C
BG II - IV	1.0619	/ 1.0619	-10°C to 350°C
Typ 3.2: BG I	1.4571	/ 1.4581	-60°C to 280°C
BG II - IV	1.4571, 1.4581	/ 1.4581	-60°C to 350°C
Typ 3.7: BG I - IV	1.4571	/ 1.4308	-200°C to 280°C
Connections:	soft seated		
Flange connections: DIN EN / ASME B16.5	see techn. appendix: KWD-1		

Approvals:

Pressure Equipment Directive: 97/23/EG
Declaration of Conformity



Size	Inlet					Outlet				Height 'H' for head			Set pressure		Weight
	DN	NPS	PN / Class	do	SE	DN	NPS	PN / Class	SA	A		C	p min.	p max.	
				[mm]	[mm]				[mm]	[mm]		[mm]	[bar(g)]	[bar(g)]	~ [kg]
I	15	½	16-320	8, 12,5, 16, 18	90	15	½	16-40	90	282		268	0,20	300	4,3
	20	¾	150-2500		95	20	¾	150-300	95	287		273	0,20	125	4,5
	25	1			100	25	1		100	292		278	0,10	40	4,6
II	32	1 ¼	16-160	16, 20, 25	105	32	1 ¼	16-40	105	395		375	0,10	90	9,6
	40	1 ½	150-1500	20, 25, 32	115	40	1 ½	150-300	115	405		385		75	10,0
III	50	2	16-160	25, 32, 40	125	50	2	16-40	125	450		430	0,10	100	15,0
	65	2 ½	150-1500	32, 40, 50	145	65	2 ½	150-300	145	470		450	0,05	40	19,3
IV	80	3	16-160	32, 40, 50, 58	155	80	3	16-40	155	700		620	0,05	25	36,8
	100	4	150-1500	50, 60, 70	175	100	4	150	175	730		650			40,5

other design on request

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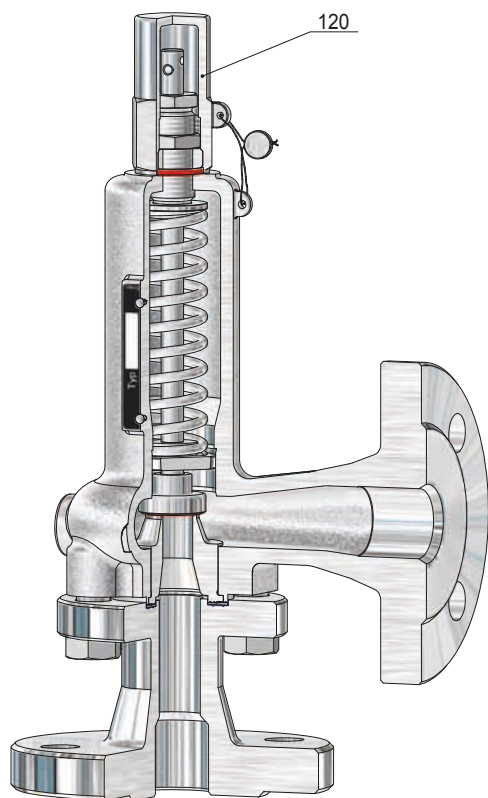
K 3
04 / 2014

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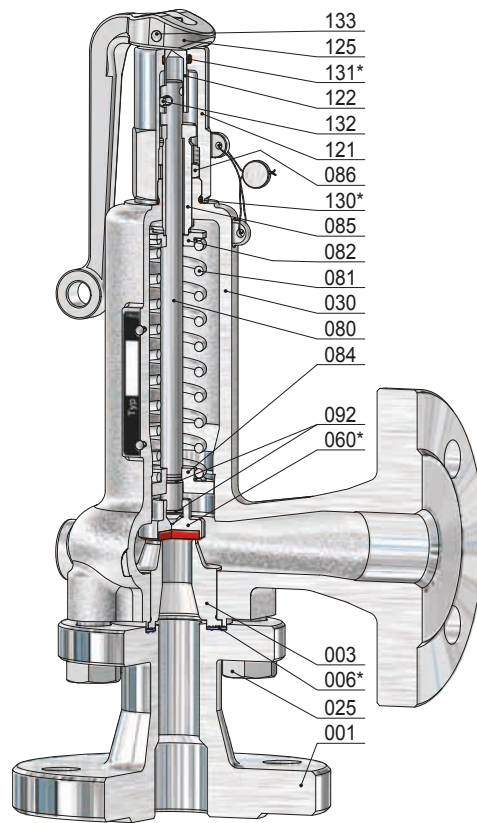
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Typ 3



Size I
head C



Size I
head A

Item	Piece	Description	Item	Piece	Description
001	1	inlet body	086	1	lock nut
003	1	seat	092	2	lock ring
006 *	1	packing ring	120	1	cap
025	4	screw	121	1	lifting cap
030	1	spring bonnet	122	1	coupling
060 *	1	disc, complete	125	1	lifting button
560	1	disc	130 *	1	o-ring
062	1	soft sealing	131 *	1	o-ring
080	1	spindle	132	1	groove pin
081	1	spring	133	1	groove pin
082	1	springplate, upper			
084	1	springplate, lower			
085	1	adjusting screw			

* expendable parts

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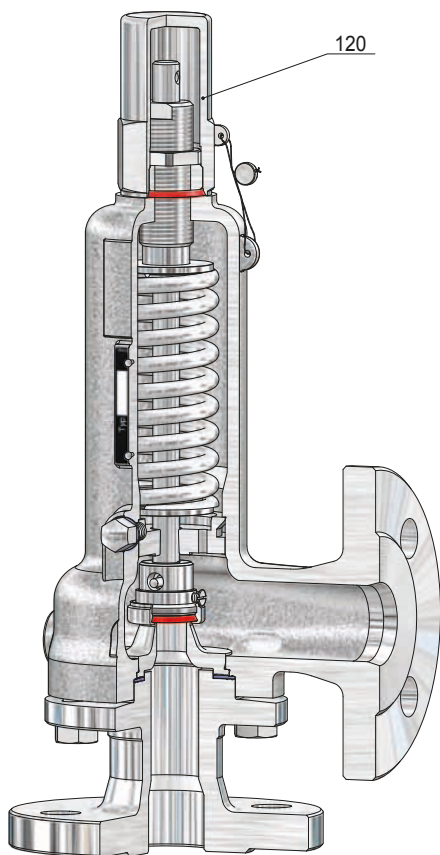
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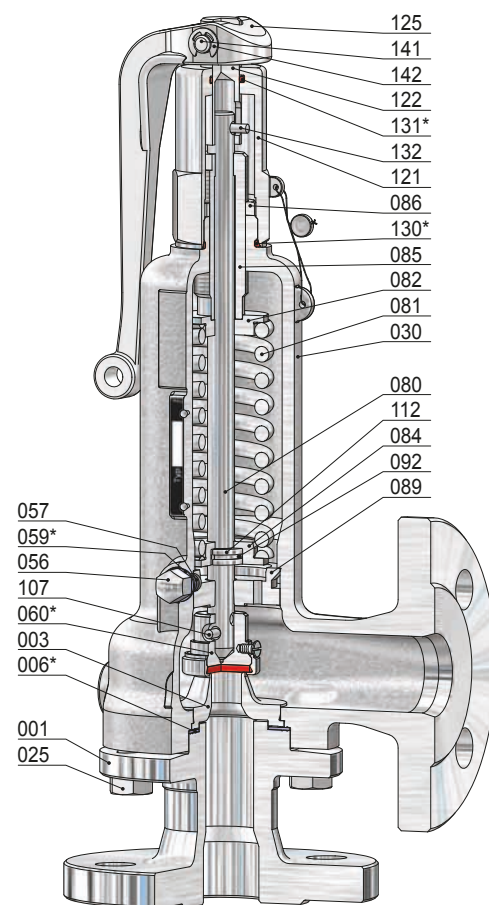
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Typ 3



Size II
head C



Size II
head A

Item	Piece	Description	Item	Piece	Description
001	1	inlet body	085	1	adjusting screw
003	1	seat	086	1	lock nut
006 *	1	packing ring	089	1	guide plate
025	4	screw	092	1	lock ring
030	1	spring bonnet	107	1	spring pin
056	2	lock nut	112	1	split ring
057	2	screwed pin	120	1	cap
059 *	2	packing ring	121	1	lifting cap
060 *	1	disc, complete	122	1	coupling
560	1	disc	125	1	lifting button
062	1	soft sealing	130 *	1	o-ring
063	1	disc ring	131 *	1	o-ring
067	1	security screw	132	1	groove pin
080	1	spindle	141	1	bolt
081	1	spring	142	2	stop washer
082	1	springplate, upper			
084	1	springplate, lower			

* expendable parts

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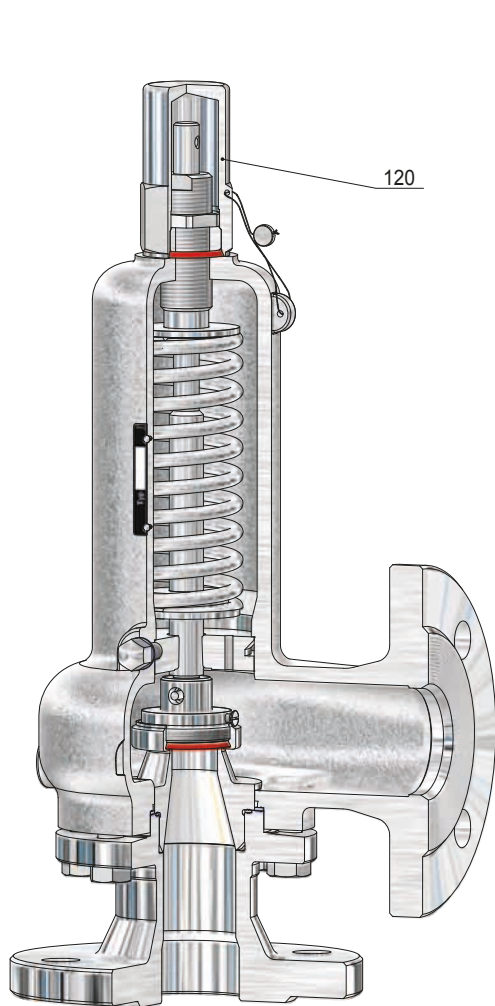
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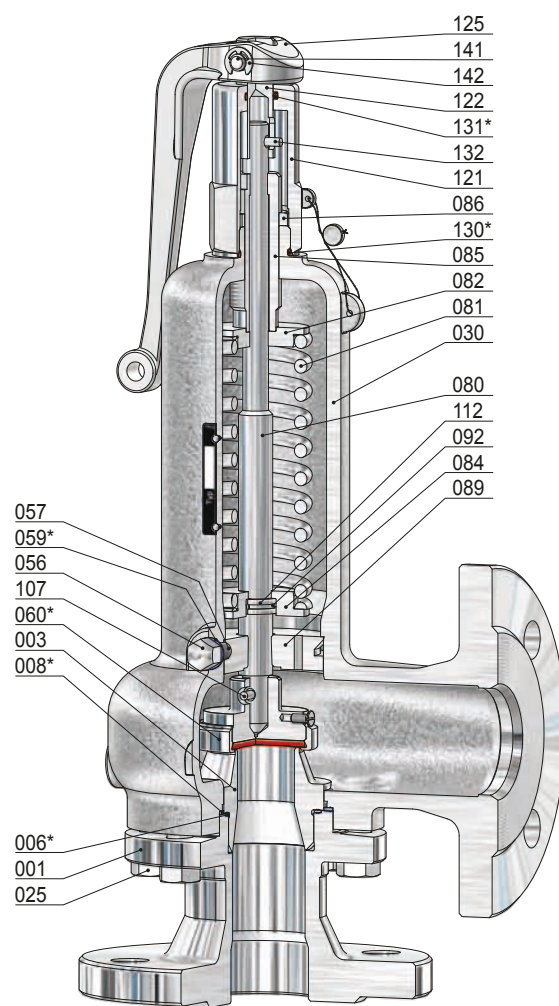
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Typ 3



Size III
head C



Size III
head A

Item	Piece	Description	Item	Piece	Description
001	1	inlet body	084	1	springplate, lower
003	1	seat	085	1	adjusting screw
006 *	1	packing ring	086	1	lock nut
008 *	1	packing ring	089	1	guide plate
025	8	screw	092	1	lock ring
030	1	spring bonnet	107	1	spring pin
056	2	lock nut	112	1	split ring
057	2	screwed pin	120	1	cap
059 *	2	packing ring	121	1	lifting cap
060 *	1	disc, complete	122	1	coupling
560	1	disc	125	1	lifting button
062	1	soft sealing	130 *	1	o-ring
063	1	disc ring	131 *	1	o-ring
067	1	security screw	132	1	groove pin
080	1	spindle	141	1	bolt
081	1	spring	142	2	stop washer
082	1	springplate, upper			

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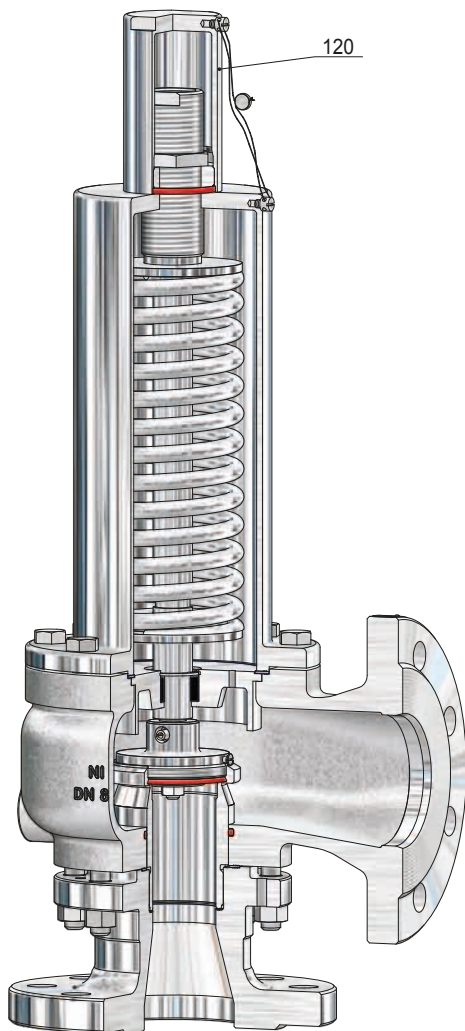
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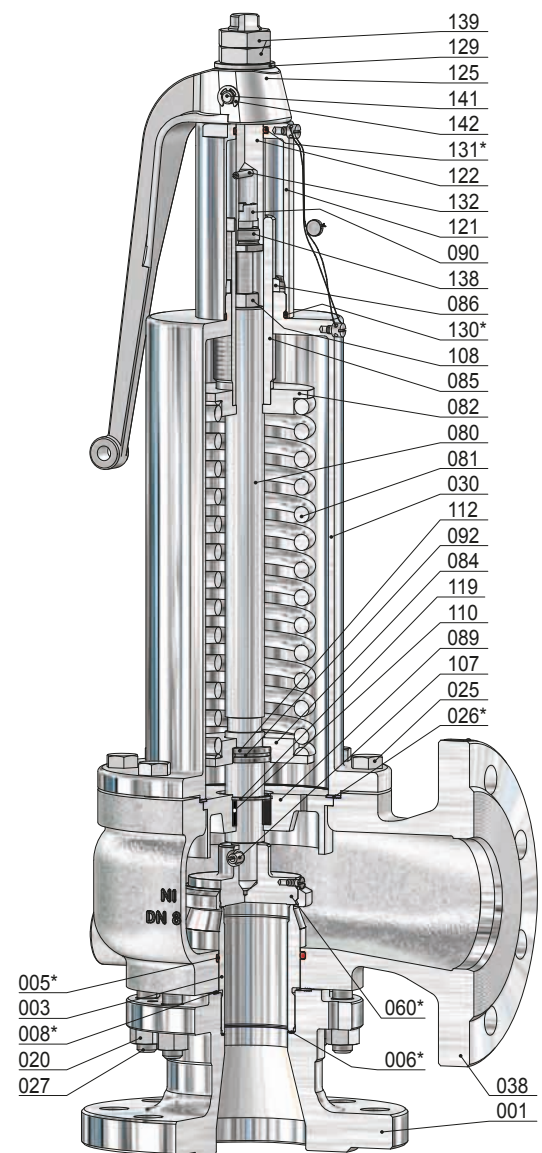
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Typ 3



Size IV
head C



Size IV
head A

Item	Piece	Description	Item	Piece	Description	Item	Piece	Description
001	1	inlet body	073	1	o-ring	121	1	lifting cap
003	1	seat	074	1	disc plate	122	1	coupling
005 *	1	o-ring	080	1	spindle	125	1	lifting button
006 *	1	packing ring	081	1	spring	129	1	pressure plate
008 *	1	packing ring	082	1	springplate, upper	130 *	1	o-ring
020	8	nut	084	1	springplate, lower	131 *	1	o-ring
025	8	screw	085	1	adjusting screw	132	1	groove pin
026 *	1	packing ring	086	1	lock nut	138	1	screw
027	8	stud bolt	089	1	guide plate	139	2	nut
030	1	spring bonnet	090	1	screw	141	1	bolt
038	1	outlet body	092	1	lock ring	142	2	stop washer
060 *	1	disc, complete	107	1	spring pin			
560	1	disc	108	1	nut			
062	1	soft sealing	110	1	bush			
063	1	disc ring	112	1	split ring			
065	1	disc bolt	119	1	locking ring			
067	1	security screw	120	1	cap			

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