

pressure relief valve series RV42



Temperature ranges

Inlet body	/ Spring bonnet	metal seated
1.4104	/ 0.7043	-10°C to 280°C
1.4571	/ 1.4581	-60°C to 280°C
1.4571	/ 1.4308 <i>only with head C</i>	-200°C to 280°C

Connections:

Screwed connection: DIN ISO 228 / ASME B1.20.1

soft seated
see techn. appendix: KWD-1

Approvals:

Pressure Equipment Directive: 2014/68/EU

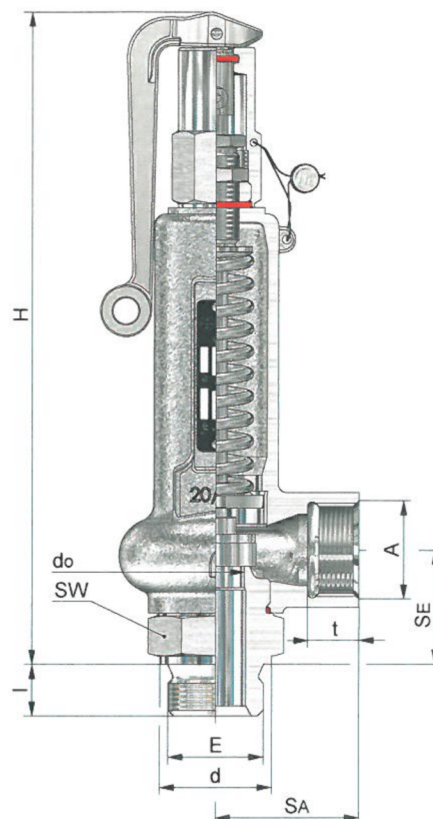
Declaration of Conformity



Size II



Size I



Size	Inlet					Outlet				Dimensions		Height 'H' for head			Coefficient		Set pressure		Weight
	E	SE	d	I (G)	I (NPT)	A	SA	t (G)	t (NPT)	SW	d _o	A		C	D/G	F	p min.	p max.	
		[mm]	[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		[mm]	Q _w max.	Q _w	[bar(g)]	[bar(g)]	
I	3/8	34	22	12	11	1/2	40	14	14	32	10	200	185	0,38	0,30	0,1	140	1,0	
	1/2		26	14	14						8 ²⁾			0,46	0,32	3,0	250		
											12,5			0,30	0,21	0,1	70		
											10			0,38	0,30	0,1	140		
											8			0,46	0,32	3,0	200		
	3/4	32	16	14	1/2	3/4	14	14	16	0,14	-	0,05	40						
									12,5	0,30	0,21	0,1	70						
									10	0,38	0,30	0,1	140						
									8 ²⁾	0,46	0,32	3,0	250						
									16	0,41	0,32	0,1	70						
II	1/2	40	26	14	14	1	50	18	17	41	12,5	230	215	0,41	0,32	0,1	70	1,6	
	3/4		32	16	14						16			0,32	0,25	0,1	32		
											12,5			0,41	0,32	0,1	70		
											20			0,12	0,09	0,1	20		
											16			0,32	0,25	0,1	32		
	1	39	18	18	1	50	18	17	41	230	215	12,5	0,41	0,32	0,1	70			
												20	0,12	0,09	0,1	20			
												16	0,32	0,25	0,1	32			
												12,5	0,41	0,32	0,1	70			
												20	0,12	0,09	0,1	20			
1 1/4	49	20	18	1	50	18	17	41	230	215	16	0,32	0,25	0,1	32	1,8			
16											0,32	0,25	0,1	32					
12,5											0,41	0,32	0,1	70					
20											0,12	0,09	0,1	20					
16											0,32	0,25	0,1	32					

other design on request

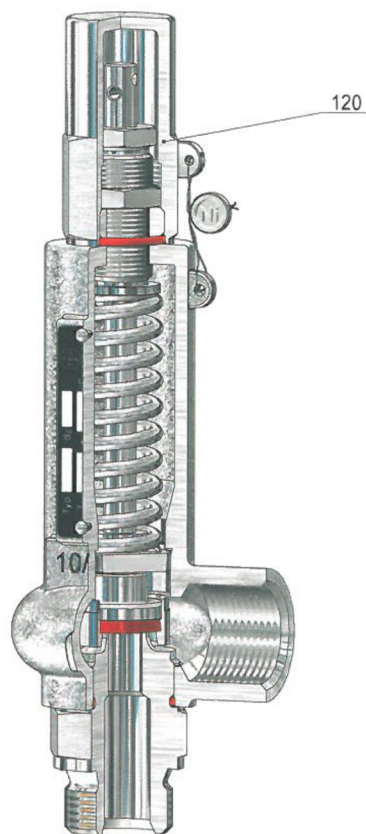
2) 1.4104 to 200 [bar(g)]

other design on request

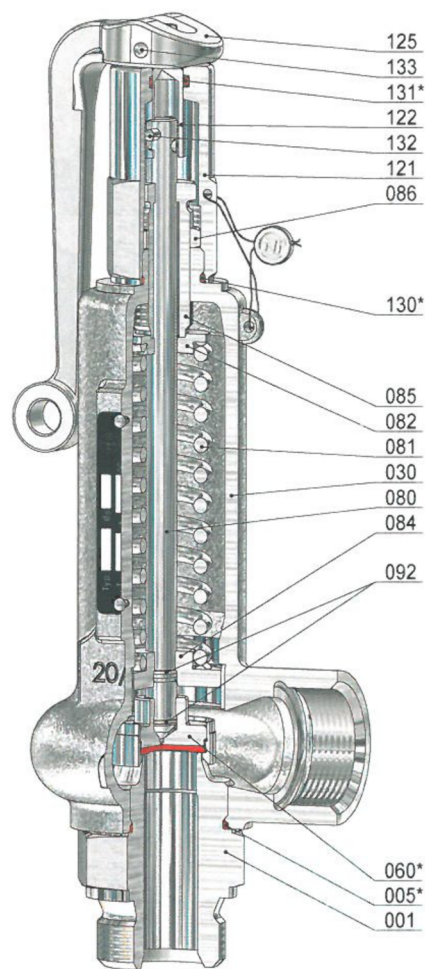
²⁾ 1.4104 to 200 [bar(g)]

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illustrations are non-binding, all designs, configurations, measurements and materials are subject to change without prior notice

pressure relief valve
series RV42



Size I



Size II

Item	Piece	Description	Item	Piece	Description
001	1	inlet body	120	1	cap
005 *	1	o-ring	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
063	1	disc ring	132	1	groove pin
080	1	spindle	133	1	groove pin
081	1	spring			
082	1	springplate, upper			
084	1	springplate, lower			
085	1	adjusting screw			
086	1	lock nut			
092	2	lock ring			

* expendable parts

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