

Initial-Pressure-Controller, springloaded

for steam, gases and liquids

Typ 84

Standard version:

Material: Valve-body / media contact surfaces

Typ 84.2: BG 0 - II 1.4301, 1.4571 / 1.4571

BG III - IIIB 1.4571 / 1.4571

Screwed connection: DIN ISO 228 / ASME B1.20.1

Sealings:

FPM, EPDM

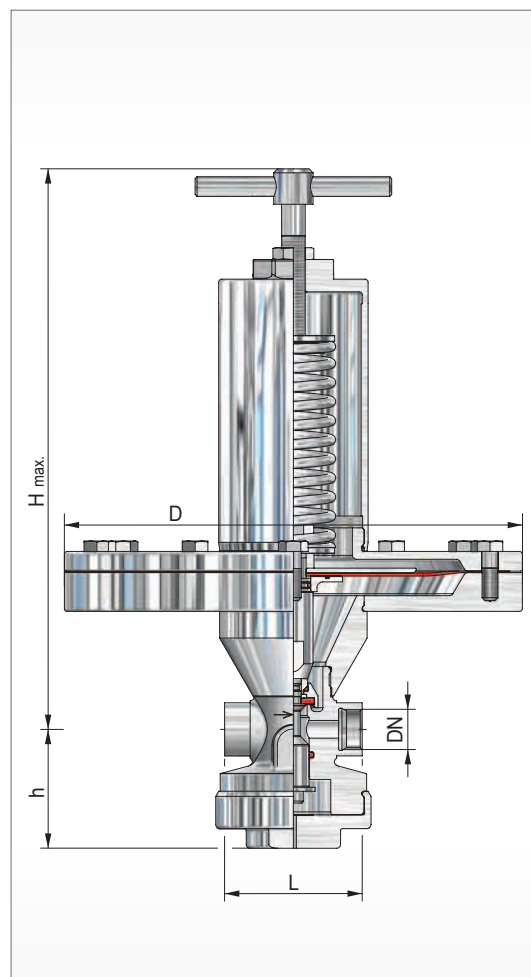
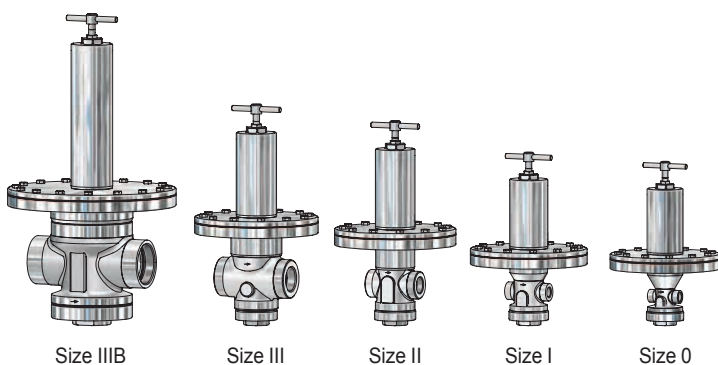
PTFE, EPDM (steam up to 150°C)

PTFE, AF100, EPDM (steam up to 200°C)

Approvals:

Pressure Equipment Directive: 97/23/EG

Declaration of Conformity



Size	Inlet			Outlet			Dimensions								Kvs value				
	DN	G, NPT	Initial pressure range P1 min. [bar(g)] max.	DN	G, NPT		Height H max.				Diaphragm Ø = D								
							Toggle spindle	Cap	L	h	Design								
							[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[m³/h]				
0	8	1¼	0,005 / 0,45	8	1¼		330	290	70	59	405	310	235	190	1,2				
	10	3⁄8		10	3⁄8				70						2,0				
	15	1½		15	1½				70						2,2				
I	15	1½	0,005 / 0,45	15	1½		305	290	90	67					3,0				
	20	3⁄4		20	3⁄4				90						3,2				
	25*	1*		25*	1*				135						3,5				
II	25	1	0,005 / 0,40	25	1		345	330	105	78					6,3				
	32	1 ¼		32	1 ¼				105						6,5				
	40*	1 1½*		40*	1 1½*				155						6,7				
III	40	1 ½	0,005 / 0,45	40	1 ½		365	335	145	90					12,5				
	50	2		50	2				145						13,0				
	65*	2 1½*		65*	2 1½*				210						13,5				
IIIB	50	2	0,005 / 0,35	50	2		525	460	220	112								-	27,5
	65	2 1½		65	2 1½														28,0

other design on request

* special size

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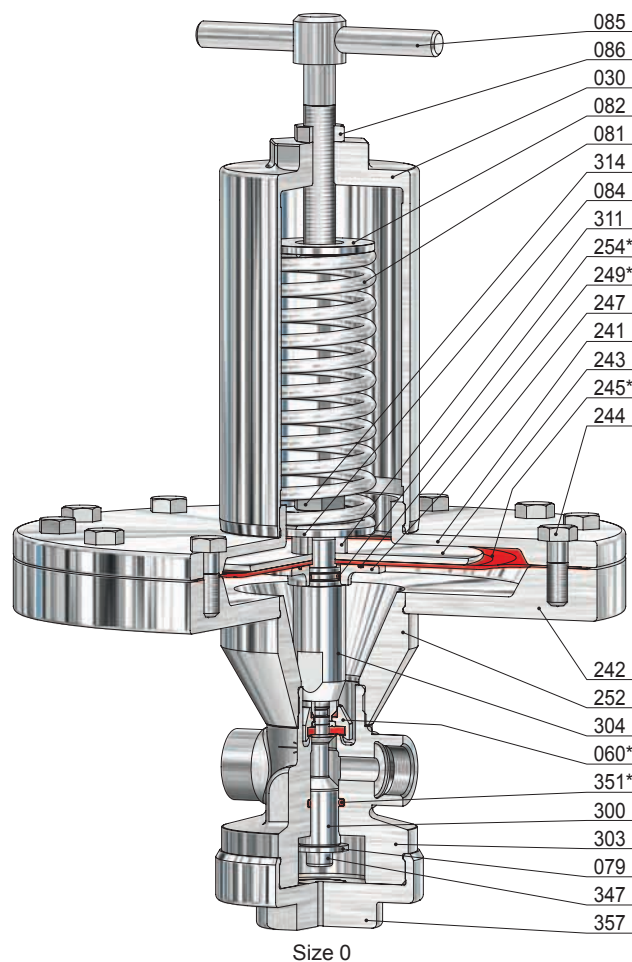
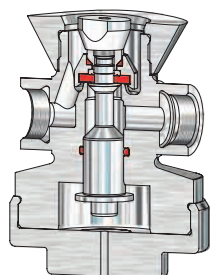
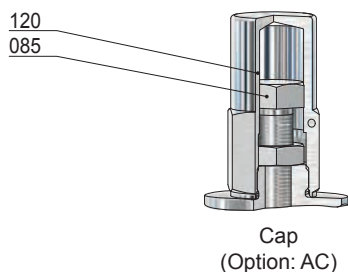
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Item	Piece	Description	Item	Piece	Description
303	1	valve body	243	1	upper clamp plate
030	1	spring bonnet	244	12	screw (variable)
060 *	1	disc, complete	245 *	1	diaphragm
560	1	disc	247	1	lower clamp plate
061	1	pressure piece	249 *	1	o-ring
062	1	soft sealing	252	1	adapter
071	1	o-ring	254 *	1	o-ring
072	1	locking ring	300	1	piston
073	1	o-ring (only for thermoplastics soft sealing)	304	1	inlet pressure piston
079	1	lift stopper	311	1	distance bush
081	1	spring	314	1	lock nut
082	1	springplate, upper	347	1	screw
084	1	springplate, lower	351 *	1	o-ring
085	1	adjusting screw	357	1	bottom plug
086	1	lock nut			
120	1	cap			
241	1	upper housing			
242	1	lower housing			

* expendable parts

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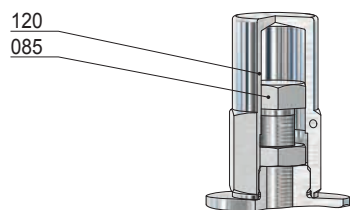
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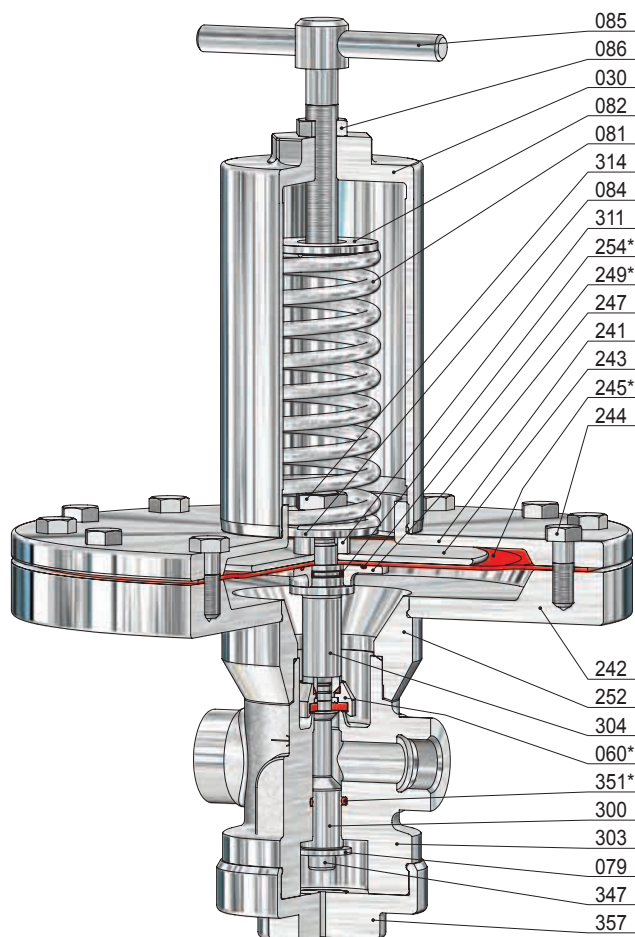
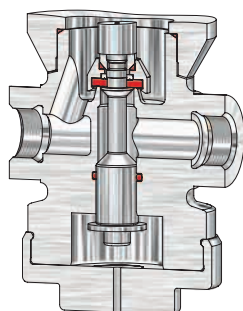
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Typ 84



Cap
(Option: AC)



Size I

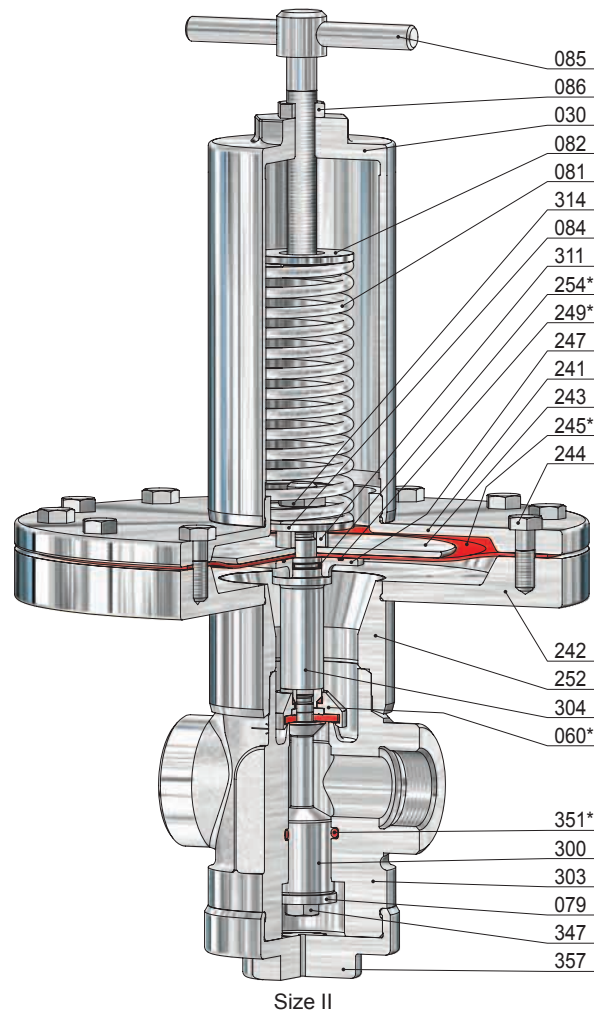
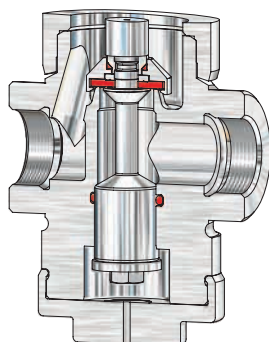
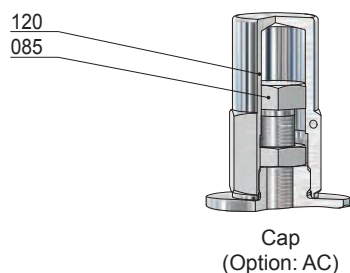
Item	Piece	Description	Item	Piece	Description
303	1	valve body	243	1	upper clamp plate
030	1	spring bonnet	244	12	screw (variable)
060 *	1	disc, complete	245 *	1	diaphragm
560	1	disc	247	1	lower clamp plate
061	1	pressure piece	249 *	1	o-ring
062	1	soft sealing	252	1	adapter
071	1	o-ring	254 *	1	o-ring
072	1	locking ring	300	1	piston
073	1	o-ring (only for thermoplastics soft sealing)	304	1	inlet pressure piston
079	1	lift stopper	311	1	distance bush
081	1	spring	314	1	lock nut
082	1	springplate, upper	347	1	screw
084	1	springplate, lower	351 *	1	o-ring
085	1	adjusting screw	357	1	bottom plug
086	1	lock nut			
120	1	cap			
241	1	upper housing			
242	1	lower housing			

* expendable parts

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Item	Piece	Description	Item	Piece	Description
303	1	valve body	243	1	upper clamp plate
030	1	spring bonnet	244	12	screw (variable)
060 *	1	disc, complete	245 *	1	diaphragm
560	1	disc	247	1	lower clamp plate
061	1	pressure piece	249 *	1	o-ring
062	1	soft sealing	252	1	adapter
071	1	o-ring	254 *	1	o-ring
072	1	locking ring	300	1	piston
073	1	o-ring (only for thermoplastics soft sealing)	304	1	inlet pressure piston
079	1	lift stopper	311	1	distance bush
081	1	spring	314	1	lock nut
082	1	springplate, upper	347	1	screw
084	1	springplate, lower	351 *	1	o-ring
085	1	adjusting screw	357	1	bottom plug
086	1	lock nut			
120	1	cap			
241	1	upper housing			
242	1	lower housing			

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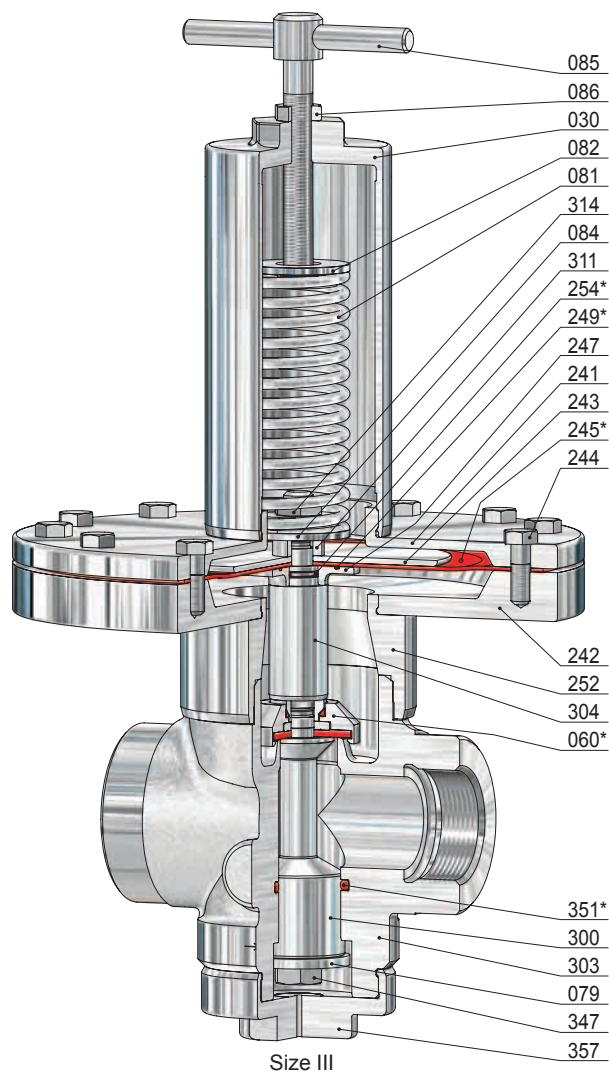
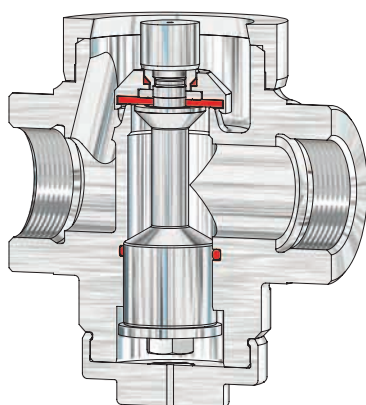
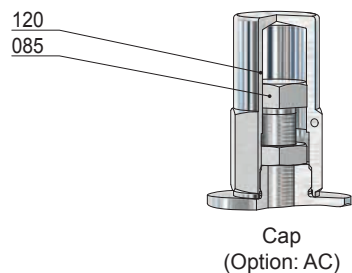
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Initial-Pressure-Controller, springloaded

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Typ 84



Item	Piece	Description	Item	Piece	Description
303	1	valve body	243	1	upper clamp plate
030	1	spring bonnet	244	12	screw (variable)
060 *	1	disc, complete	245 *	1	diaphragm
560	1	disc	247	1	lower clamp plate
061	1	pressure piece	249 *	1	o-ring
062	1	soft sealing	252	1	adapter
071	1	o-ring	254 *	1	o-ring
072	1	locking ring	300	1	piston
073	1	o-ring (only for thermoplastics soft sealing)	304	1	inlet pressure piston
079	1	lift stopper	311	1	distance bush
081	1	spring	314	1	lock nut
082	1	springplate, upper	347	1	screw
084	1	springplate, lower	351 *	1	o-ring
085	1	adjusting screw	357	1	bottom plug
086	1	lock nut			
120	1	cap			
241	1	upper housing			
242	1	lower housing			

* expendable parts

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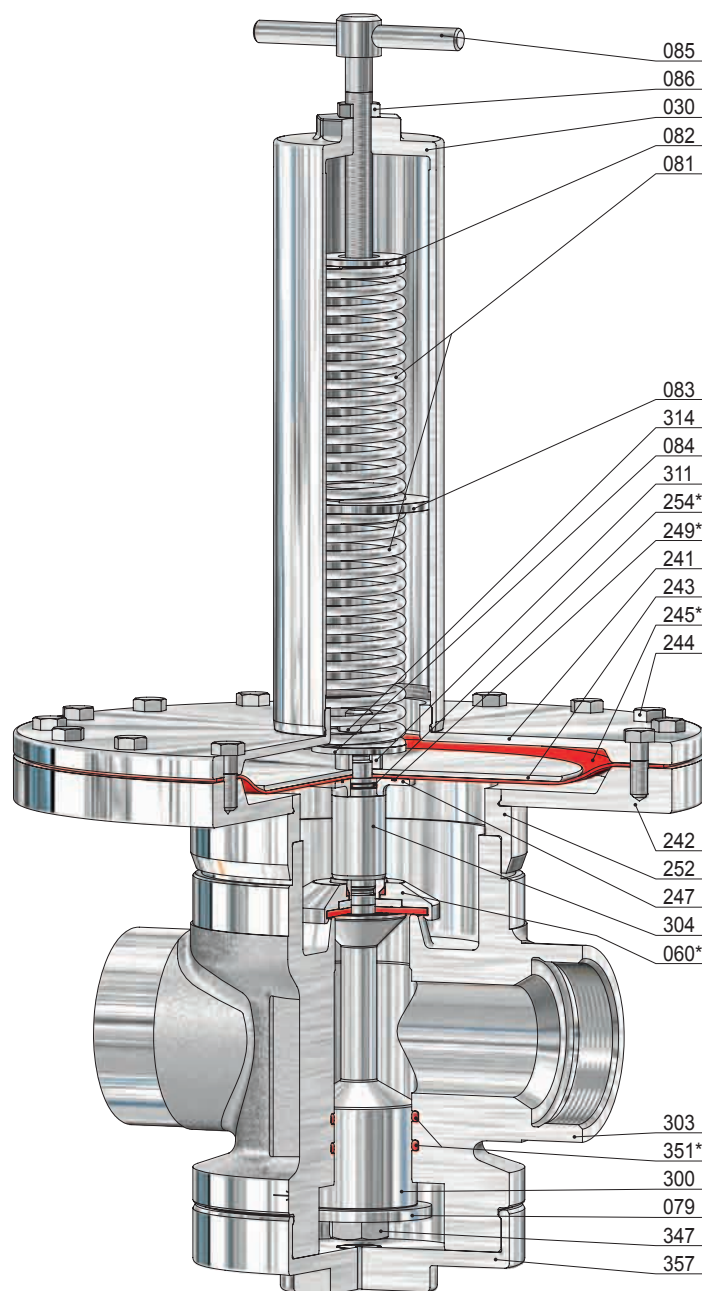
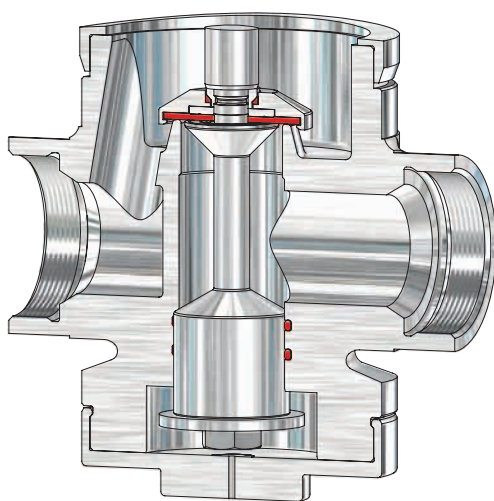
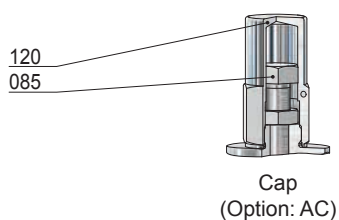
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Initial-Pressure-Controller, springloaded

for steam, gases and liquids

Typ 84



Size IIIB

Item	Piece	Description	Item	Piece	Description	Item	Piece	Description
303	1	valve body	083	1	springplate, middle	300	1	piston
030	1	spring bonnet	084	1	springplate, lower	304	1	inlet pressure piston
060 *	1	disc, complete	085	1	adjusting screw	311	1	distance bush
560	1	disc	086	1	lock nut	314	1	lock nut
061	1	pressure piece	120	1	cap	347	1	screw
062	1	soft sealing	241	1	upper housing	351 *	2	o-ring
071	1	o-ring	242	1	lower housing	357	1	bottom plug
072	1	locking ring	243	1	upper clamp plate			
073	1	o-ring (only for thermoplastics soft sealing)	244	16	screw (variable)			
			245 *	1	diaphragm			
079	1	lift stopper	247	1	lower clamp plate			
081	2	spring	249 *	1	o-ring			
082	1	springplate, upper	252	1	adapter			
			254 *	1	o-ring			

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