



**Closed spring loaded full bore type-high pressure safety valve**

**Materials for main parts**

No.	Name of part	A42Y-160 A42Y-320 Materials	A42Y-160P A42Y-320P Materials	A42Y-160R A42Y-320R Materials
1	Flange	35/35CrMoA	2Cr13	1Cr18Ni12Mo2Ti
2	Nozzle	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
3	Body	40	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
4	Adjusting ring	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
5	Disc	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
6	Disc holder	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
7	Guide sleeve	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
8	Bonnet	ZG230-450	ZG230-450	ZG230-450
9	Stem	2Cr13	1Cr18Ni9Ti	1Cr18Ni9Ti
10	Spring	50CrVA	Coated Teflon	Coated Teflon
11	Adjusting bolt	45	2Cr13	2Cr13
12	Cap	ZG200-400	ZG200-400	ZG200-400
	Sealing surface of material	Depositing satellite		

**Dimensions (mm)**

Type	DN	do	d	M	K	D	Z-φ d	b	d <sub>1</sub>	M <sub>1</sub>	K <sub>1</sub>	D <sub>1</sub>	Z-φ d	b <sub>1</sub>	L	L <sub>1</sub>	≈H
A42Y-160	15	8	20	M24×2	60	95	3-18	20	29	M42×2	80	115	4-18	22	95	100	220
	20	8	27	M33×2	68	105	3-18	20	29	M42×2	80	115	4-18	22	95	100	220
	25	14	28	M33×2	68	105	3-18	20	50	M64×3	115	165	6-26	32	150	150	280
	32	15	37	M42×2	80	115	4-18	22	50	M64×3	115	165	6-26	32	150	150	390
	40	20	47	M52×2	115	165	6-26	28	65	M80×3	145	200	6-29	40	180	180	495
	50	25	59	M64×3	115	165	6-26	32	80	M100×3	170	225	6-33	50	165	165	400
A42Y-320	15	8	27	M33×2	68	105	3-18	20	29	M42×2	80	115	4-18	22	95	100	220
	20	8	30	M33×2	75	110	3-18	22	29	M42×2	80	115	4-18	22	95	100	220
	25	14	35	M42×2	80	115	4-18	22	50	M64×3	115	165	6-26	32	150	150	280
	32	15	41	M48×2	95	135	4-22	25	50	M64×3	115	165	6-26	32	150	150	390
	40	20	58	M64×3	115	165	6-26	32	65	M80×3	145	200	6-29	40	180	180	495
	50	25	70	M80×3	145	200	6-29	40	80	M100×3	170	225	6-33	50	165	165	400
A42Y-400	32	15	41	M48×2	95	135	4-22	25	50	M64×3	115	165	6-26	32	150	150	397