

**A48Y Closed spring loaded full bore type safety valve**

Nominal Diameter DN (mm)	Dimensions (mm)			
	d <sub>0</sub>	L	L <sub>1</sub>	DN'
25	15	110	105	32
32	20	130	110	40
40	25	135	120	50
50	32	160	130	65
80	50	175	160	100
100	65	220	200	125
150	100	285	260	200
200	125	350	320	250

Nominal Pressure PN (MPa)	Nominal Diameter DN (mm)	Dimensions (mm)			
		L	L <sub>1</sub>	d <sub>0</sub>	DN'
1.6 2.5 4.0	25	110	95	15	32
	32	115	100	20	40
	40	120	110	25	50
	50	135	120	32	65
	65	160	135	40	80
	80	170	135	50	100
	100	195	175	65	125
	150	255	230	100	175
6.4 10.0	25	110	105	15	32
	32	130	110	20	40
	40	135	120	25	50
	50	160	130	32	65
	80	175	160	50	100
	100	220	200	65	125
	150	285	260	100	200

**Materials for main parts**

No.	Name of part	A48Y-C A44Y-C A42Y-C Materials	A44Y-P A42Y-P Materials	A44Y-R A42Y-R Materials
1	Body	WCB	ZG1Cr18Ni9Ti	CF8M
2	Nozzle	2Cr13	1Cr18Ni9Ti	316
3	Adjusting ring	ZG2Cr13	ZG1Cr18Ni9Ti	0Cr18Ni12Mo2Ti
4	Disc holder	ZG2Cr13	ZG1Cr18Ni9Ti	316
5	Disc	2Cr13	1Cr18Ni9Ti	316
6	Guide sleeve	2Cr13	1Cr18Ni9Ti	0Cr18Ni12Mo2Ti
7	Bonnet	ZG230-450	ZG230-450	ZG230-450
8	Spring	50CrVA	Coated Teflon	Coated Teflon
9	Stem	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
10	Lever	ZG200-400	ZG200-400	ZG200-400
11	Adjusting bolt	45	2Cr13	2Cr13
12	Cap	ZG200-400	ZG200-400	316
Sealing surface of material		Depositing satellite		