



A48Y Closed spring loaded full bore type safety valve

| Nominal Diameter<br>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<br>PN (MPa) | Nominal Diameter<br>DN (mm) | Dimensions (mm) |                |                |     |
|------------------------------|-----------------------------|-----------------|----------------|----------------|-----|
|                              |                             | L               | L <sub>1</sub> | d <sub>0</sub> | DN' |
| 1.6<br>2.5<br>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<br>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<br>Materials | A44Y-P A42Y-P<br>Materials | A44Y-R A42Y-R<br>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              |                            |                            |