



## ARI Spring-loaded safety valve Type 15602 series 35.911 steel high-lifting flange

High-luminosity safety devices are used mainly for vapour (such as steam) and gases. With large quantities, can also be used for liquids.

Design in accordance with EN ISO4126-1, TRD421 and AD2000-A2

Type of approvals: TÜV, PED, DNV

Options:

O-ring in valve: EPDM, neoprene [CR] or FKM [FPM].

.- Stainless steel bellows.

Casing material: Steel 1.0619

PN40/flange outlet PN16

Closed spring cap, gastight cap

### Characteristics

**Series:** 35.911

**Type:** 15602

**Norm:** ISO 4126-1

**Model:** Spring-loaded safety valve

**Construction type:** Angle Pattern

**Housing material inlet side:** Steel

**Material quality inlet side:** 1.0619+N

**Housing material outlet side:** Steel

**Material quality outlet side:** 1.0619+N

**Connection inlet side:** Flange

**Pressure rating inlet side:** PN40

**Standard connection inlet side:** EN 1092-1

**Connection outlet side:** Flange

**Pressure rating outlet side:** PN16

**Standard connection outlet side:** EN 1092-1

**Blow-off characteristic:** High-lifting

**Gastight valve:** Yes

**Spring cap, closed:** Yes

**Material spring bonnet:** Ductile cast iron

**Material disc:** 1.4122

**Seat material:** 1.4571

**Bellows seal:** No

**Spring material:** Spring steel [1.8159]

**Spindle material:** 1.4021+QT

**Medium temperature:** -10 / 450 °C

### Application

- Vapours.
- Steam.
- Gasses.
- With large quantities, can also be used for liquids.

### Technical Information

- Design in accordance with EN ISO4126-1, TRD421 and AD2000-A2.

### Approval

- TÜV.
- PED.
- DNV.

### Options

- O-ring in valve: EPDM.
- Neoprene [CR].
- FKM [FPM].
- Stainless steel bellows.

| Nominal inner diameter inlet side | Nominal inner diameter outlet side | Adjustment range | Valve bore | Valve lifter | Sealing | Article  |
|-----------------------------------|------------------------------------|------------------|------------|--------------|---------|----------|
|                                   |                                    | bar              | mm         |              |         |          |
| DN20                              | DN32                               | 8.6 / 19         | 18         | No           | Metal   | 12560165 |
| DN20                              | DN32                               | 1.05 / 1.5       | 18         | No           | Metal   | 12560160 |
| DN20                              | DN32                               | 1.55 / 2.5       | 18         | No           | Metal   | 12560161 |
| DN20                              | DN32                               | 35.1 / 40        | 18         | No           | Metal   | 12560168 |
| DN20                              | DN32                               | 0.2 / 0.5        | 18         | No           | Metal   | 12560158 |
| DN20                              | DN32                               | 4.6 / 8.5        | 18         | No           | Metal   | 12560163 |
| DN20                              | DN32                               | 19.1 / 28        | 18         | No           | Metal   | 12560166 |

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## Safety Valves | Spring loaded safety valves with flanged connection

| Nominal inner<br>diameter inlet side | Nominal inner<br>diameter outlet side | Adjustment range<br>bar | Valve bore<br>mm | Valve lifter | Sealing | Article  |
|--------------------------------------|---------------------------------------|-------------------------|------------------|--------------|---------|----------|
| DN20                                 | DN32                                  | 0.52 / 1                | 18               | No           | Metal   | 12560159 |
| DN20                                 | DN32                                  | 2.55 / 4.5              | 18               | No           | Metal   | 12560162 |
| DN20                                 | DN32                                  | 28.1 / 35               | 18               | No           | Metal   | 12560167 |
| DN25                                 | DN40                                  | 3.7 / 5                 | 22.5             | No           | Metal   | 12560175 |
| DN25                                 | DN40                                  | 0.2 / 0.5               | 22.5             | No           | Metal   | 12560169 |
| DN25                                 | DN40                                  | 5.1 / 9                 | 22.5             | No           | Metal   | 12560176 |
| DN25                                 | DN40                                  | 1.55 / 2                | 22.5             | No           | Metal   | 12560172 |
| DN25                                 | DN40                                  | 34.1 / 40               | 22.5             | No           | Metal   | 12617119 |
| DN25                                 | DN40                                  | 1.05 / 1.5              | 22.5             | No           | Metal   | 12560171 |
| DN25                                 | DN40                                  | 28.1 / 34               | 22.5             | No           | Metal   | 12560180 |
| DN25                                 | DN40                                  | 9.1 / 16                | 22.5             | No           | Metal   | 12560177 |
| DN25                                 | DN40                                  | 2.75 / 3.6              | 22.5             | No           | Metal   | 12560174 |
| DN25                                 | DN40                                  | 16.1 / 22               | 22.5             | No           | Metal   | 12560178 |
| DN25                                 | DN40                                  | 0.52 / 1                | 22.5             | No           | Metal   | 12560170 |
| DN25                                 | DN40                                  | 2.05 / 2.7              | 22.5             | No           | Metal   | 12560173 |
| DN25                                 | DN40                                  | 22.1 / 28               | 22.5             | No           | Metal   | 12560179 |
| DN32                                 | DN50                                  | 5.1 / 9                 | 29               | No           | Metal   | 12560188 |
| DN32                                 | DN50                                  | 2.05 / 2.7              | 29               | No           | Metal   | 12560185 |
| DN32                                 | DN50                                  | 16.1 / 22               | 29               | No           | Metal   | 12560190 |
| DN32                                 | DN50                                  | 9.1 / 16                | 29               | No           | Metal   | 12560189 |
| DN32                                 | DN50                                  | 0.52 / 1                | 29               | No           | Metal   | 12560182 |
| DN32                                 | DN50                                  | 22.1 / 28               | 29               | No           | Metal   | 12560191 |
| DN32                                 | DN50                                  | 1.05 / 1.5              | 29               | No           | Metal   | 12560183 |
| DN32                                 | DN50                                  | 28.1 / 34               | 29               | No           | Metal   | 12560192 |
| DN32                                 | DN50                                  | 3.7 / 5                 | 29               | No           | Metal   | 12560187 |
| DN32                                 | DN50                                  | 2.75 / 3.6              | 29               | No           | Metal   | 12560186 |
| DN32                                 | DN50                                  | 0.2 / 0.5               | 29               | No           | Metal   | 12560181 |
| DN32                                 | DN50                                  | 1.55 / 2                | 29               | No           | Metal   | 12560184 |
| DN40                                 | DN65                                  | 9.1 / 16                | 36               | No           | Metal   | 12560201 |
| DN40                                 | DN65                                  | 16.1 / 22               | 36               | No           | Metal   | 12560202 |
| DN40                                 | DN65                                  | 1.05 / 1.5              | 36               | No           | Metal   | 12560195 |
| DN40                                 | DN65                                  | 2.75 / 3.6              | 36               | No           | Metal   | 12560198 |
| DN40                                 | DN65                                  | 5.1 / 9                 | 36               | No           | Metal   | 12560200 |
| DN40                                 | DN65                                  | 0.2 / 0.5               | 36               | No           | Metal   | 12560193 |
| DN40                                 | DN65                                  | 28.1 / 34               | 36               | No           | Metal   | 12560204 |
| DN40                                 | DN65                                  | 34.1 / 40               | 36               | No           | Metal   | 12617120 |
| DN40                                 | DN65                                  | 22.1 / 28               | 36               | No           | Metal   | 12560203 |
| DN40                                 | DN65                                  | 0.52 / 1                | 36               | No           | Metal   | 12560194 |
| DN40                                 | DN65                                  | 2.05 / 2.7              | 36               | No           | Metal   | 12560197 |
| DN40                                 | DN65                                  | 3.7 / 5                 | 36               | No           | Metal   | 12560199 |
| DN40                                 | DN65                                  | 1.55 / 2                | 36               | No           | Metal   | 12560196 |
| DN50                                 | DN80                                  | 1.55 / 2                | 45               | No           | Metal   | 12560208 |
| DN50                                 | DN80                                  | 0.2 / 0.5               | 45               | No           | Metal   | 12560205 |
| DN50                                 | DN80                                  | 3.7 / 5                 | 45               | No           | Metal   | 12560211 |
| DN50                                 | DN80                                  | 22.1 / 28               | 45               | No           | Metal   | 12560215 |
| DN50                                 | DN80                                  | 9.1 / 16                | 45               | No           | Metal   | 12560213 |
| DN50                                 | DN80                                  | 5.1 / 9                 | 45               | No           | Metal   | 12560212 |
| DN50                                 | DN80                                  | 0.52 / 1                | 45               | No           | Metal   | 12560206 |
| DN50                                 | DN80                                  | 2.05 / 2.7              | 45               | No           | Metal   | 12560209 |
| DN50                                 | DN80                                  | 34.1 / 40               | 45               | No           | Metal   | 12617121 |
| DN50                                 | DN80                                  | 28.1 / 34               | 45               | No           | Metal   | 12560216 |
| DN50                                 | DN80                                  | 16.1 / 22               | 45               | No           | Metal   | 12560214 |

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## Safety Valves | Spring loaded safety valves with flanged connection

| Nominal inner<br>diameter inlet side | Nominal inner<br>diameter outlet side | Adjustment range<br>bar | Valve bore<br>mm | Valve lifter | Sealing | Article  |
|--------------------------------------|---------------------------------------|-------------------------|------------------|--------------|---------|----------|
| DN50                                 | DN80                                  | 2.75 / 3.6              | 45               | No           | Metal   | 12560210 |
| DN50                                 | DN80                                  | 1.05 / 1.5              | 45               | No           | Metal   | 12560207 |
| DN65                                 | DN100                                 | 5.1 / 9                 | 58.5             | No           | Metal   | 12560224 |
| DN65                                 | DN100                                 | 1.05 / 1.5              | 58.5             | No           | Metal   | 12560219 |
| DN65                                 | DN100                                 | 2.75 / 3.6              | 58.5             | No           | Metal   | 12560222 |
| DN65                                 | DN100                                 | 2.05 / 2.7              | 58.5             | No           | Metal   | 12560221 |
| DN65                                 | DN100                                 | 9.1 / 16                | 58.5             | No           | Metal   | 12560225 |
| DN65                                 | DN100                                 | 16.1 / 22               | 58.5             | No           | Metal   | 12560226 |
| DN65                                 | DN100                                 | 0.52 / 1                | 58.5             | No           | Metal   | 12560218 |
| DN65                                 | DN100                                 | 22.1 / 28               | 58.5             | No           | Metal   | 12560227 |
| DN65                                 | DN100                                 | 1.55 / 2                | 58.5             | No           | Metal   | 12560220 |
| DN65                                 | DN100                                 | 3.7 / 5                 | 58.5             | No           | Metal   | 12560223 |
| DN65                                 | DN100                                 | 0.2 / 0.5               | 58.5             | No           | Metal   | 12560217 |
| DN80                                 | DN125                                 | 5.1 / 9                 | 72               | No           | Metal   | 12560235 |
| DN80                                 | DN125                                 | 0.52 / 1                | 72               | No           | Metal   | 12560229 |
| DN80                                 | DN125                                 | 1.05 / 1.5              | 72               | No           | Metal   | 12560230 |
| DN80                                 | DN125                                 | 2.05 / 2.7              | 72               | No           | Metal   | 12560232 |
| DN80                                 | DN125                                 | 2.75 / 3.6              | 72               | No           | Metal   | 12560233 |
| DN80                                 | DN125                                 | 19.1 / 25               | 72               | No           | Metal   | 12560238 |
| DN80                                 | DN125                                 | 14.1 / 19               | 72               | No           | Metal   | 12560237 |
| DN80                                 | DN125                                 | 3.7 / 5                 | 72               | No           | Metal   | 12560234 |
| DN80                                 | DN125                                 | 1.55 / 2                | 72               | No           | Metal   | 12560231 |
| DN80                                 | DN125                                 | 9.1 / 14                | 72               | No           | Metal   | 12560236 |
| DN80                                 | DN125                                 | 0.2 / 0.5               | 72               | No           | Metal   | 12560228 |
| DN100                                | DN150                                 | 1.05 / 1.5              | 90               | No           | Metal   | 12560241 |
| DN100                                | DN150                                 | 2.55 / 3                | 90               | No           | Metal   | 12560244 |
| DN100                                | DN150                                 | 5.1 / 9                 | 90               | No           | Metal   | 12560247 |
| DN100                                | DN150                                 | 19.1 / 24               | 90               | No           | Metal   | 12560250 |
| DN100                                | DN150                                 | 0.52 / 1                | 90               | No           | Metal   | 12560240 |
| DN100                                | DN150                                 | 3.7 / 5                 | 90               | No           | Metal   | 12560246 |
| DN100                                | DN150                                 | 0.2 / 0.5               | 90               | No           | Metal   | 12560239 |
| DN100                                | DN150                                 | 2.05 / 2.5              | 90               | No           | Metal   | 12560243 |
| DN100                                | DN150                                 | 14.1 / 19               | 90               | No           | Metal   | 12560249 |
| DN100                                | DN150                                 | 3.05 / 3.6              | 90               | No           | Metal   | 12560245 |
| DN100                                | DN150                                 | 1.55 / 2                | 90               | No           | Metal   | 12560242 |
| DN100                                | DN150                                 | 9.1 / 14                | 90               | No           | Metal   | 12560248 |
| DN125                                | DN200                                 | 0.2 / 0.4               | 106              | No           | Metal   | 12560251 |
| DN125                                | DN200                                 | 24.1 / 27               | 106              | No           | Metal   | 12560264 |
| DN125                                | DN200                                 | 4.1 / 5.7               | 106              | No           | Metal   | 12560259 |
| DN125                                | DN200                                 | 3 / 4                   | 106              | No           | Metal   | 12560258 |
| DN125                                | DN200                                 | 17.1 / 24               | 106              | No           | Metal   | 12560263 |
| DN125                                | DN200                                 | 0.42 / 0.75             | 106              | No           | Metal   | 12560252 |
| DN125                                | DN200                                 | 1.55 / 1.9              | 106              | No           | Metal   | 12560255 |
| DN125                                | DN200                                 | 5.8 / 8.2               | 106              | No           | Metal   | 12560260 |
| DN125                                | DN200                                 | 12.1 / 17               | 106              | No           | Metal   | 12560262 |
| DN125                                | DN200                                 | 2.55 / 2.95             | 106              | No           | Metal   | 12560257 |
| DN125                                | DN200                                 | 1.15 / 1.5              | 106              | No           | Metal   | 12560254 |
| DN125                                | DN200                                 | 1.95 / 2.5              | 106              | No           | Metal   | 12560256 |
| DN125                                | DN200                                 | 8.3 / 12                | 106              | No           | Metal   | 12560261 |
| DN125                                | DN200                                 | 0.77 / 1.1              | 106              | No           | Metal   | 12560253 |
| DN150                                | DN250                                 | 21.1 / 26               | 125              | No           | Metal   | 12560278 |
| DN150                                | DN250                                 | 11.1 / 16               | 125              | No           | Metal   | 12560276 |

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## Safety Valves | Spring loaded safety valves with flanged connection

| Nominal inner<br>diameter inlet side | Nominal inner<br>diameter outlet side | Adjustment range<br>bar | Valve bore<br>mm | Valve lifter | Sealing | Article  |
|--------------------------------------|---------------------------------------|-------------------------|------------------|--------------|---------|----------|
| DN150                                | DN250                                 | 3.35 / 4.1              | 125              | No           | Metal   | 12560272 |
| DN150                                | DN250                                 | 0.52 / 1                | 125              | No           | Metal   | 12560266 |
| DN150                                | DN250                                 | 1.95 / 2.3              | 125              | No           | Metal   | 12560269 |
| DN150                                | DN250                                 | 7.5 / 11                | 125              | No           | Metal   | 12560275 |
| DN150                                | DN250                                 | 0.2 / 0.5               | 125              | No           | Metal   | 12560265 |
| DN150                                | DN250                                 | 16.1 / 21               | 125              | No           | Metal   | 12560277 |
| DN150                                | DN250                                 | 1.55 / 1.9              | 125              | No           | Metal   | 12560268 |
| DN150                                | DN250                                 | 2.75 / 3.3              | 125              | No           | Metal   | 12560271 |
| DN150                                | DN250                                 | 2.35 / 2.7              | 125              | No           | Metal   | 12560270 |
| DN150                                | DN250                                 | 4.2 / 5.5               | 125              | No           | Metal   | 12560273 |
| DN150                                | DN250                                 | 5.6 / 7.4               | 125              | No           | Metal   | 12560274 |
| DN150                                | DN250                                 | 1.05 / 1.5              | 125              | No           | Metal   | 12560267 |

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