

## ANGLE PATTERN HIGH PRESSURE VALVES STOP AND START-UP VALVES with buttweld ends

The valves are designed for application in piping installations. They are manufactured in following versions:

- stop valves for actuator / DN 80 – DN 200 / - type **ZWK1**
- start-up valves for actuator / DN 100 / - type **ZUK1**

### Operating data

| Material      | Maximum permissible operating temperature, TS [°C] |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|---------------|----------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|               | 20                                                 | 250 | 300 | 350 | 400 | 425 | 450 | 480 | 500 | 510 | 520 | 530 | 540 | 545 | 550 |
|               | Maximum permissible operating pressure, PS [bar]   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| GP240GH *     | 260                                                | 240 | 220 | 204 | 196 | 194 | 125 |     |     |     |     |     |     |     |     |
| G17CrMo5-5 *  |                                                    |     | 260 | 260 | 260 | 250 | 240 | 200 | 147 | 112 |     |     |     |     |     |
| G17CrMoV5-10* |                                                    |     |     |     |     |     |     |     | 240 | 240 | 235 | 207 | 183 | 142 |     |
| 14MoV6-3 **   |                                                    |     |     |     |     |     |     |     | 265 | 265 | 265 | 250 | 218 | 205 | 190 |

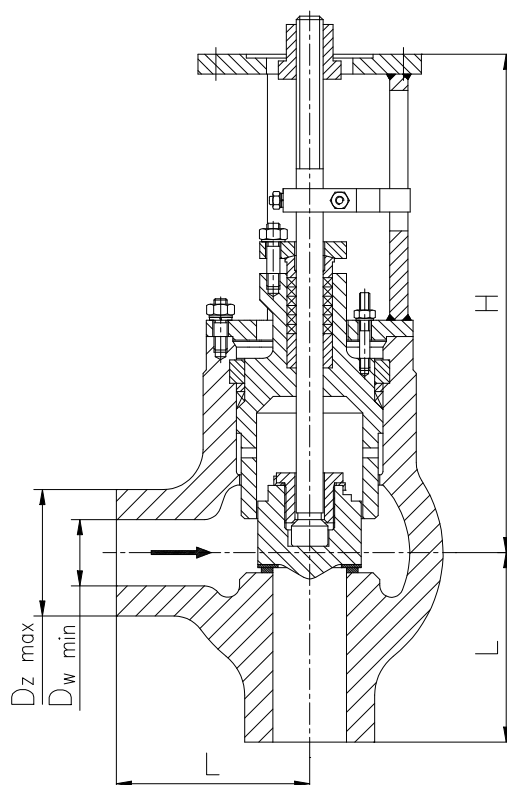
Notes : \*) - relates to valves ZWK1      \*\*) - relates to valves ZUK1

### Materials

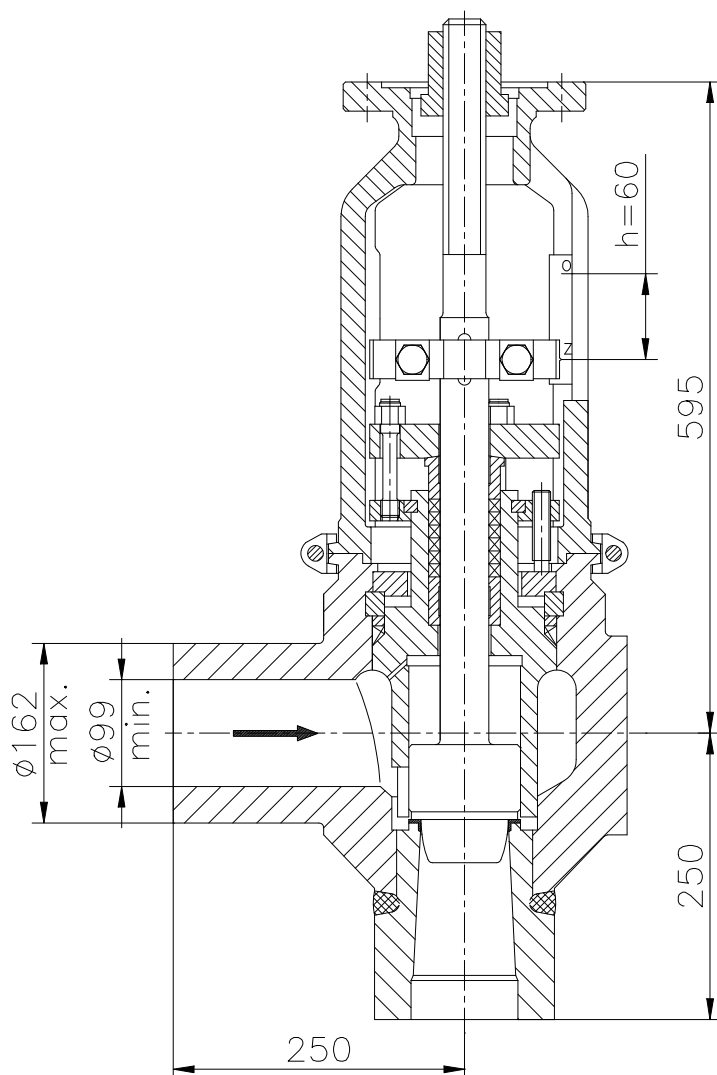
|                  |                                            |
|------------------|--------------------------------------------|
| Body             | GP240GH, G17CrMo5-5, G17CrMo5-10, 14MoV6-3 |
| Bonnet           | GP240GH, G17CrMo5-5, G17CrMo5-10           |
| Sealing surfaces | Stainless steel min 18%Cr or stellite      |

### Dimensions and weights - ZWK1

| DN  | L   | H   | D <sub>z</sub> max | D <sub>w</sub> min | Weight /kg/ |
|-----|-----|-----|--------------------|--------------------|-------------|
| 80  | 200 | 560 | 120                | 78                 | 117         |
| 100 | 230 | 600 | 142                | 98                 | 182         |
| 150 | 270 | 780 | 210                | 144                | 310         |
| 200 | 370 | 850 | 280                | 198                | 660         |



## Start - up valve ZUK1



**Weight of valve type ZUK - 200 kg**

### Additional information

Product meets requirements of Directive PED: 2014/68/EU.

Acceptance tests: EN 12266-1, leak tightness – class A.

Special versions on client's request are available.