

## TECHNICAL SPECIFICATIONS

|                      |                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type of control      | Pilot operated, pressure difference is required                                                                                                                                                                                                                                                                                                                      |
| Design               | Piston design                                                                                                                                                                                                                                                                                                                                                        |
| Connection           | Threaded G1/4 - G2<br>DIN ISO 228/1 (BSP)<br><small>Other connections like NPT on request</small>                                                                                                                                                                                                                                                                    |
| Installation         | Preferable with actuator upright                                                                                                                                                                                                                                                                                                                                     |
| Pressure             | 1 - 450 bar (see table page 2)                                                                                                                                                                                                                                                                                                                                       |
| Medium               | Clean, neutral, gaseous and liquid medium                                                                                                                                                                                                                                                                                                                            |
| Viscosity            | 22 mm²/s                                                                                                                                                                                                                                                                                                                                                             |
| Temperature range    | Medium: -40 °C bis +80 °C<br>Ambient: -40 °C bis +50 °C<br><small>In consideration of the restrictions described on page 4</small>                                                                                                                                                                                                                                   |
| Body material        | Stainless steel 1.4571                                                                                                                                                                                                                                                                                                                                               |
| Metallic inner parts | Stainless steel                                                                                                                                                                                                                                                                                                                                                      |
| Sealing              | PTFE, PEEK at the seat                                                                                                                                                                                                                                                                                                                                               |
| Supply voltage       | AC~ 24V, 110V, 230V<br>DC= 12V, 24V<br><small>Other supply voltages on request</small>                                                                                                                                                                                                                                                                               |
| Voltage tolerance    | -10% / +10%                                                                                                                                                                                                                                                                                                                                                          |
| Power consumption    | .802 = 24 Watt    .848 = 23 Watt <br>.322 = 30 Watt    .328 = 24 Watt <br>.242 = 46 Watt    .248 = 30 Watt  |
| Type of control      | IP65 acc. to DIN 60529                                                                                                                                                                                                                                                                                                                                               |
| Duty factor          | 100% ED-VDE 0580                                                                                                                                                                                                                                                                                                                                                     |
| Connection type      | Plug / Terminal box                                                                                                                                                                                                                                                                                                                                                  |
| Ex-proof             | acc. to 2014/34/EG(ATEX)<br><small>Further Ex-proof on request</small>                                                                                                                                                                                                                                                                                               |

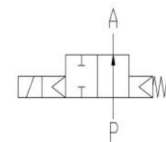
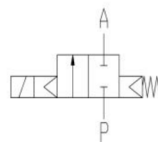
## VALVE FEATURES

- For high pressure applications up to 450 bar
- Pressure difference is required
- High life time
- Simple compact valve design
- High-quality materials
- Reliable and sturdy sealing elements

## FUNCTION

NC – non energized closed

NO – non-energized open



## CERTIFICATES

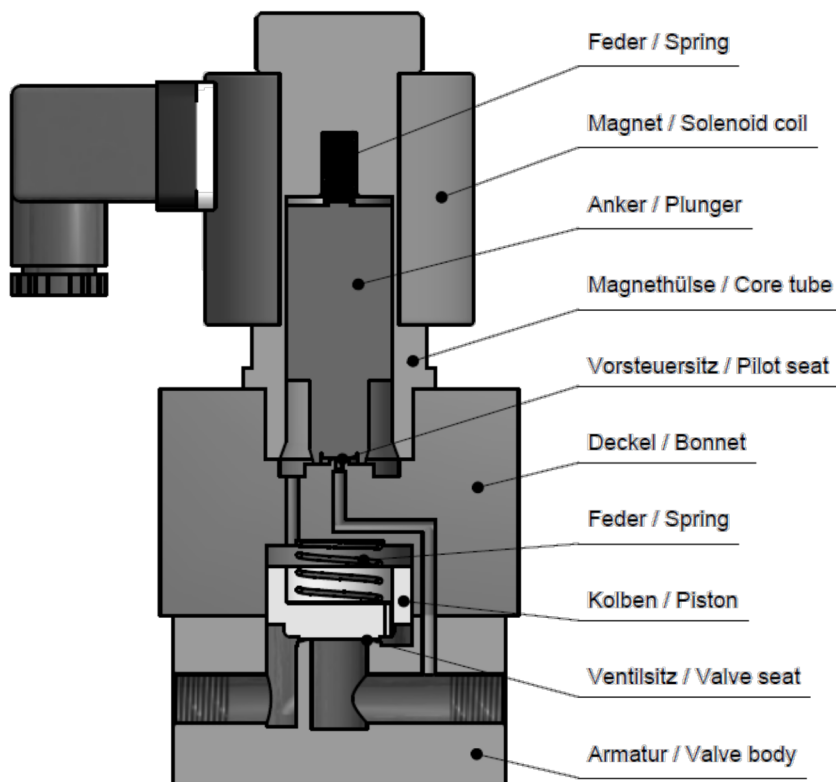


Special design for a temperature range **up to +180 °C** and as pressure operating valve **up to 600 bar** available  
Specifications and drawings on request.

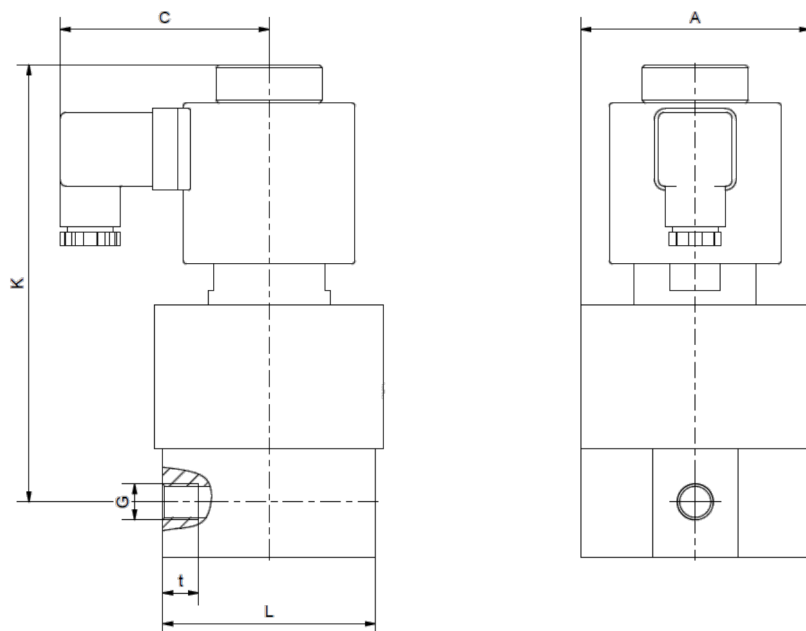
## TECHNICAL FEATURES

| G     | Seat Ø<br>mm | Kv-value<br>m³/h | max. pressure for coils |       |       | max. pressure for coils ☹ |       |       |
|-------|--------------|------------------|-------------------------|-------|-------|---------------------------|-------|-------|
|       |              |                  | .802                    | .322  | .242  | .848                      | .328  | .248  |
| 1/4   | 12           | 1,8              | 1-150                   | 1-300 | 1-450 | 1-150                     | 1-250 | 1-350 |
| 3/8   | 12           | 3,3              | 1-150                   | 1-300 | 1-450 | 1-150                     | 1-250 | 1-350 |
| 1/2   | 12           | 3,8              | 1-150                   | 1-300 | 1-450 | 1-150                     | 1-250 | 1-350 |
| 3/4   | 25           | 11,5             | 1-150                   | 1-220 | 1-450 | 1-150                     | 1-220 | 1-350 |
| 1     | 25           | 13,0             | 1-150                   | 1-220 | 1-450 | 1-150                     | 1-220 | 1-350 |
| 1 1/4 | 40           | 22,0             | -                       | -     | 1-330 | -                         | -     | 1-250 |
| 1 1/2 | 40           | 24,0             | -                       | -     | 1-330 | -                         | -     | 1-250 |
| 2     | 50           | 32,0             | -                       | -     | 1-330 | -                         | -     | 1-250 |

The flow rate mentioned in the table applies to the strongest coil.



## DIMENSIONS



| Coil | .802/.808* |       |       |     |     | .322/.328* |     |     |     |     |
|------|------------|-------|-------|-----|-----|------------|-----|-----|-----|-----|
| G    | 1/4        | 3/8   | 1/2   | 3/4 | 1   | 1/4        | 3/8 | 1/2 | 3/4 | 1   |
| A    | 84         | 84    | 84    | 110 | 110 | 84         | 84  | 84  | 110 | 110 |
| C    | 70         | 70    | 70    | 70  | 70  | 77         | 77  | 77  | 77  | 77  |
| K    | 143,5      | 143,5 | 151,5 | 159 | 159 | 161        | 161 | 161 | 176 | 176 |
| L    | 78         | 78    | 78    | 101 | 101 | 78         | 78  | 78  | 101 | 101 |
| t    | 13         | 13    | 15    | 16  | 18  | 13         | 13  | 15  | 16  | 18  |
| kg   | 3,8        | 3,8   | 4,0   | 6,6 | 6,4 | 5,2        | 5,2 | 5,2 | 7,8 | 7,7 |

\*Differing dimension "C" for ATEX-coils

| Coil | .242/.248 |       |       |      |      |       |       |      |
|------|-----------|-------|-------|------|------|-------|-------|------|
| G    | 1/4       | 3/8   | 1/2   | 3/4  | 1    | 1 1/4 | 1 1/2 | 2    |
| A    | 84        | 84    | 84    | 110  | 110  | 155   | 155   | 170  |
| C    | 92,5      | 92,5  | 92,5  | 92,5 | 92,5 | 92,5  | 92,5  | 92,5 |
| K    | 181,5     | 181,5 | 181,5 | 200  | 200  | 228   | 228   | 242  |
| L    | 78        | 78    | 78    | 101  | 101  | 140   | 140   | 155  |
| t    | 13        | 13    | 15    | 16   | 18   | 22    | 22    | 27   |
| kg   | 6,7       | 6,6   | 6,6   | 9,3  | 9,3  | 18,8  | 18,6  | 24,6 |