

## 2 / 2 - way plastic solenoid valve - Type 111



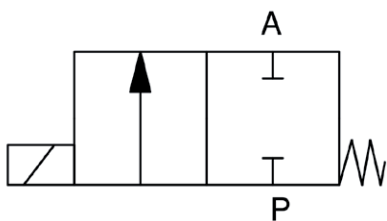
### Characteristics

- seat valve with isolating diaphragm
- fluid-damped
- DN 2,0 – 6,0
- 0 – max. 6,0bar (see table)
- Body material PVC, PTFE, PVDF
- Seal material EPDM, FKM
- Temperature: see pressure- / temperature graph & temperature range elastomeric materials \*
- ambient: 0 up to max. +50°C
- Connection PVC: cementing spigots d 16mm
- PVDF: welding spigots d 16mm
- PTFE: threaded sockets G1/4
- Electr. connection plug acc. DIN EN 175301 -803 form A
- Nominal voltage 230V 50Hz, 24V DC, special voltages
- Voltage tolerance: + / - 10% acc. VDE 0580
- Power consumption: 230V 50Hz: 11VA
- 24V DC: 9W
- Duty factor: 100% ED
- Protection class: IP 65 with plug mounted
- Solenoid preferably in upright position

### Body Materials:



Function A: NC (normally closed)



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Sectional drawing

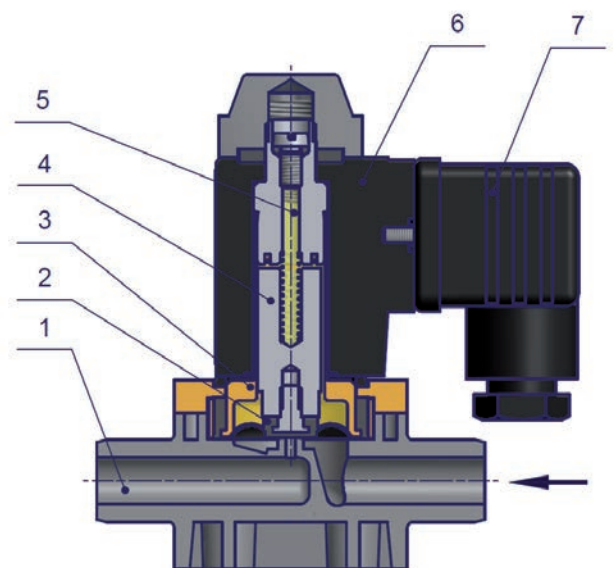
Body materials:

PTFE

PVC

PVDF

1. Valve body
2. Isolating diaphragm
3. Solenoid tube
4. Plunger
5. Fluid
6. Solenoid
7. Plug

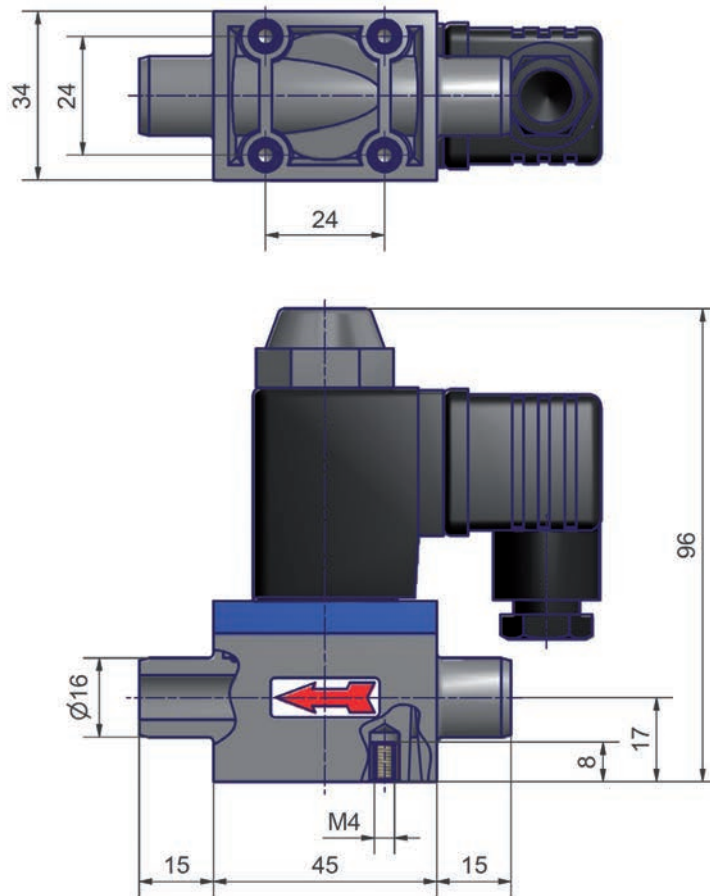


| DN  | Pressure range (bar) | Connection                  | Flow-rate (l/min)          | Weight (kg)                |     |      |
|-----|----------------------|-----------------------------|----------------------------|----------------------------|-----|------|
|     |                      | PVC<br>Cementing<br>spigots | PTFE<br>Threaded<br>socket | PVDF<br>Welding<br>Spigots |     |      |
| 2,0 | 0 – 6,0              |                             | G1/4                       |                            | 2,1 | 0,44 |
| 4,0 | 0 – 4,0              |                             | G1/4                       |                            | 6,0 | 0,44 |
| 6,0 | 0 – 2,0              | d 16 mm                     | G1/4                       | d 16 mm                    | 9,5 | 0,44 |

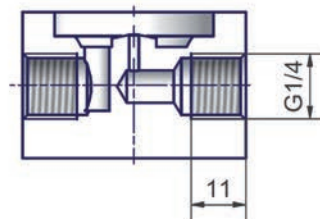
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Dimension drawing

Body materials:



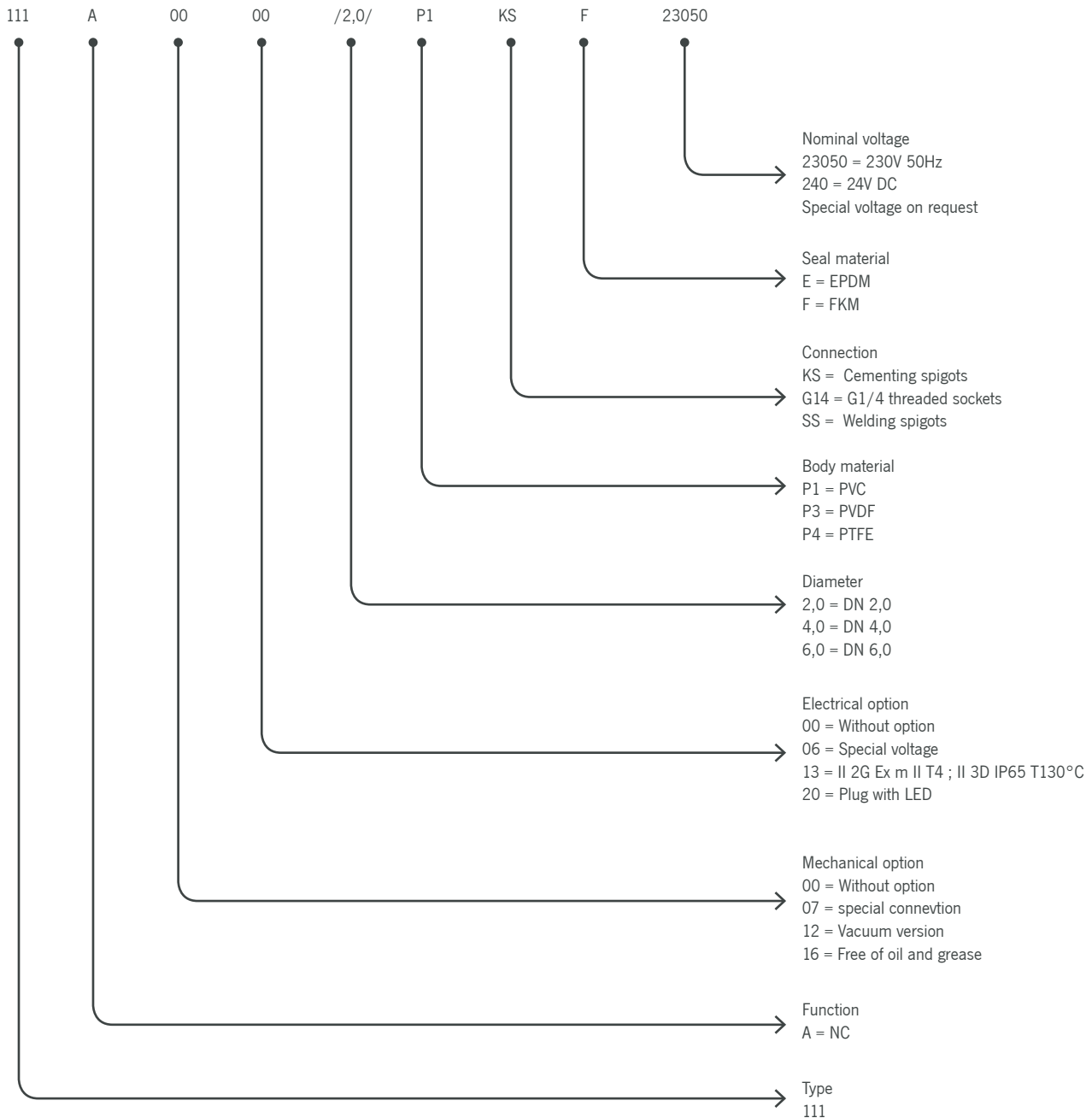
Body material PTFE



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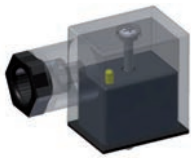
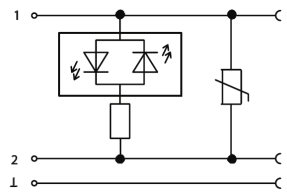





Type code

Body materials:



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### Accessories

|   |  |   |
|---|--|---|
|    | Fittings   | See datasheet fittings  |
|    | Plug with LED<br>Electrical option = 20  |    |
|   | Explosion proof<br>II 2G Ex m II T4<br>II 3D IP65 T130°C<br>Electrical option = 13 | Operating pressure is reduced by 20% in Ex specification                              |
|  | Plug with cable  |   |
|  | Plug M12 x 1   |   |
|  | Plug with power reduction 24V ,<br>form A<br>Electrical option = 07                |  |

- We gladly coordinate further options and accessories according to your requirements