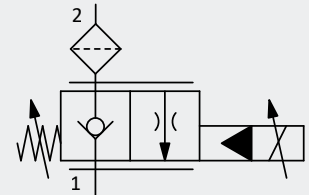


## Proportional 2/2-way poppet valve S22E-1V08



Pilot operated, electrically actuated  
 Max. operating pressure 250 bar  
 Rated flow rate 25 l/min  
 Cavity SAE08



010210\_S22E-1V08  
 12.2025

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### Characteristics

- Proportional poppet directional valve
- Compact design
- Leak-free closing
- Control the quantity of a volume flow
- Maintenance-free
- Rotatable and replaceable solenoid coil

Technical data

Hydraulic characteristics

|                         |                                                           |
|-------------------------|-----------------------------------------------------------|
| Max operating pressure: | 250 bar                                                   |
| Rated flow rate:        | 25 l/min                                                  |
| Flow direction:         | 1 to 2 check valve function, 2 to 1 proportional throttle |
| Operating fluids:       | Mineral oils according to DIN 51524, others on request    |
| Viscosity range:        | 7.4 - 420 cSt                                             |
| Filtration:             | Oil purity according to ISO 4406 (1999) 20/18/15          |

Mechanical characteristics

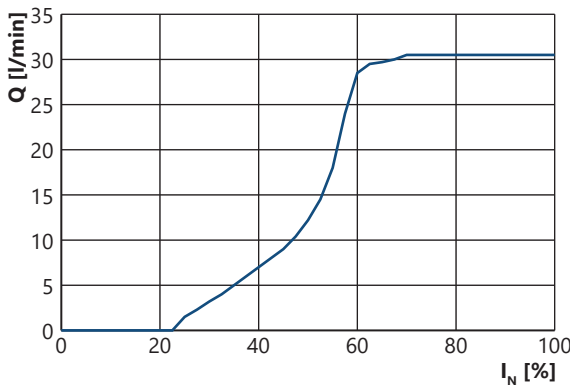
|                        |                                                  |
|------------------------|--------------------------------------------------|
| Design:                | Screw-in poppet valve, pilot operated            |
| Size:                  | SAE08                                            |
| Fluid temperature:     | -30 °C to +110 °C                                |
| Ambient temperature:   | -20 °C to +50 °C                                 |
| Storage temperature:   | -30 °C to +60 °C (non-condensing)                |
| Installation position: | Any                                              |
| Weight:                | 0.39 kg                                          |
| Materials:             | Valve parts: steel<br>Seals: NBR, optional Viton |
| Surface protection:    | Exterior parts: Galvanized steel                 |

Electrical characteristics

|                         |                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Rated voltage:          | 12 V DC, 24 V DC                                                                                                                          |
| Rated solenoid current: | 2.17 A (12 V), 1.08 A (24 V)                                                                                                              |
| Rated resistance (R20): | 5.54 Ω (12 V), 22.16 Ω (24 V)                                                                                                             |
| Max. power consumption: | 26 W at rated solenoid current (coil temperature 20° C)                                                                                   |
| Power-on time:          | 100 % PO                                                                                                                                  |
| Control command:        | PWM signal                                                                                                                                |
| PWM frequency:          | Typically 140 Hz (depending on the application)                                                                                           |
| Protection class:       | IP65 with a correctly installed wiring box                                                                                                |
| Electrical connection:  | Device plug in accordance with DIN EN 175301-803 shape A, AMP Junior Timer, Deutsch connector                                             |
| Control units:          | See section 6, "Electronics and Sensors" and our online catalog at <a href="http://www.weber-hydraulik.com">www.weber-hydraulik.com</a> . |

Characteristic curves

Flow rate diagram (Q/I) S22E-1V08 at Δp = 75 bar

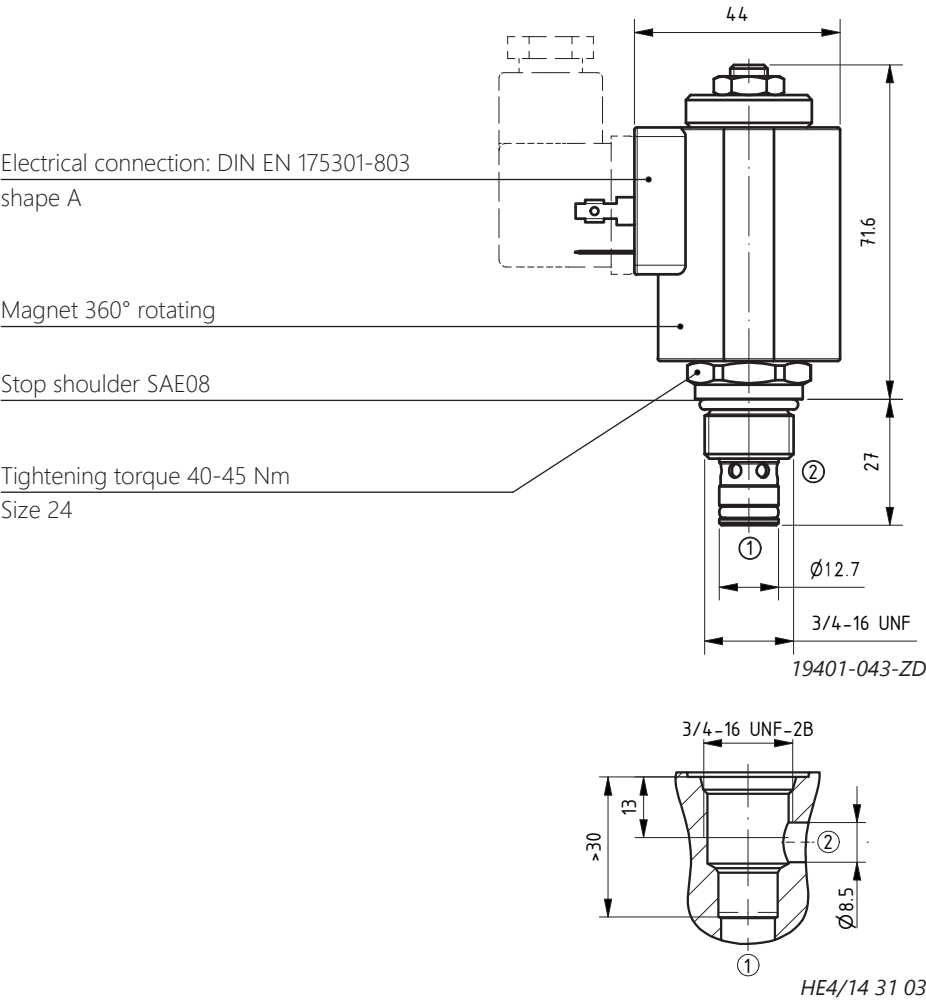


Measurement conditions

Oil: HLP 32, temperature: 40 °C (~32 cSt).  
Higher viscosities change the characteristic curves.

Dimensions

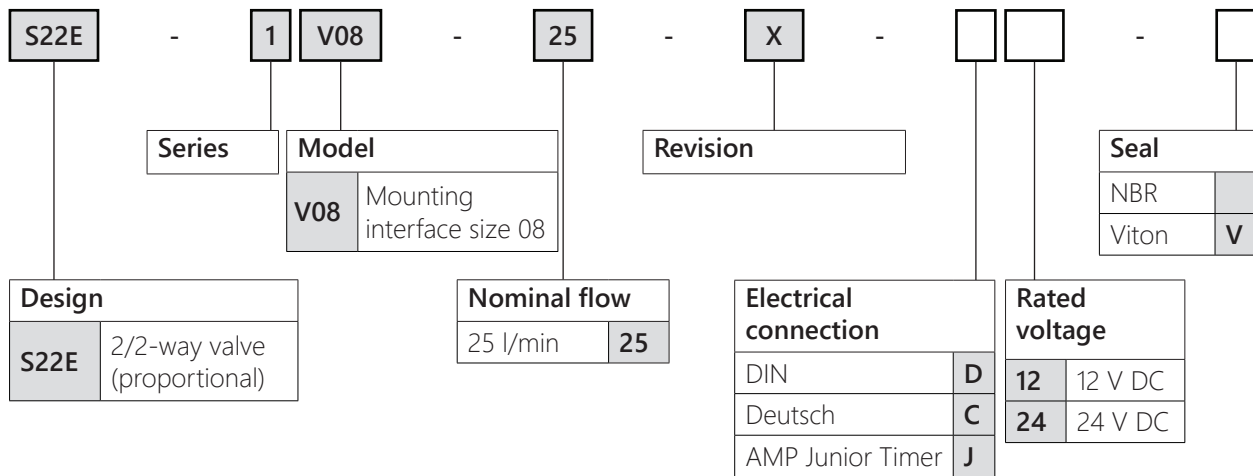
Screw-in valve  
S22E-1V08



Cavity SAE08

NOTE A detailed drawing of the cavity is provided in our online catalog at [www.weber-hydraulik.com](http://www.weber-hydraulik.com).

NOTE Suitable casings for SAE08 are available on request.

**Type code****Accessories and further information**

| Accessories/spare parts | Article:                                           | Material number: |
|-------------------------|----------------------------------------------------|------------------|
|                         | Socket connector DIN EN 175301-803, shape A, black | 149.0007         |
|                         | Coil 24 V, DIN EN 175301-803                       | 146.0020         |
|                         | Coil 12 V, Deutsch connector                       | 1091887          |
|                         | Aluminum casing 3/8"                               | 093.0024         |
|                         | Steel casing 3/8"                                  | 153.0139         |
|                         | Seal kit (NBR)                                     | 1096036          |

**NOTE** For appropriate electronic controllers, see "*Electronics and Sensors*" on our website at [www.weber-hydraulik.com](http://www.weber-hydraulik.com).

**Operating manual** Information regarding assembly, commissioning and maintenance is available in "*General information*" in the "*General Operating Manual*" category on our website or on request.