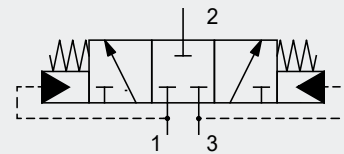


Hot oil shuttle W33H-1X06



Directly operated
Max. operating pressure 420 bar
Max. flow rate up to 40 l/min
Cavity NCS06/4



20200504_090610_W33H-1X06
12.2025

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Characteristics

- Directional valve with discharge function
- Screw-in valve NCS06/4
- For example, for cooling in closed circuits
- Also available in G3/8" piping casing or mounting plate NG 10
- Robust and durable
- Compact design
- Low leakage
- Maintenance-free

Technical data

Hydraulic characteristics

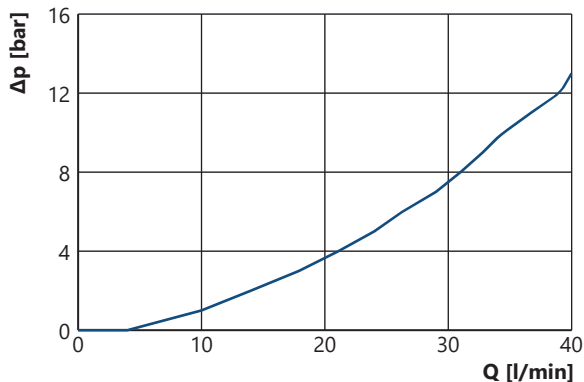
Max operating pressure:	420 bar
Max. flow rate:	40 l/min
Switching pressure:	10 bar
Operating fluids:	Mineral oils according to DIN 51524, others on request
Viscosity range:	10 - 350 cSt
Filtration:	Oil purity according to ISO 4406 (1999) 20/18/15, filter with $\beta_{5(c)} > 200$

Mechanical characteristics

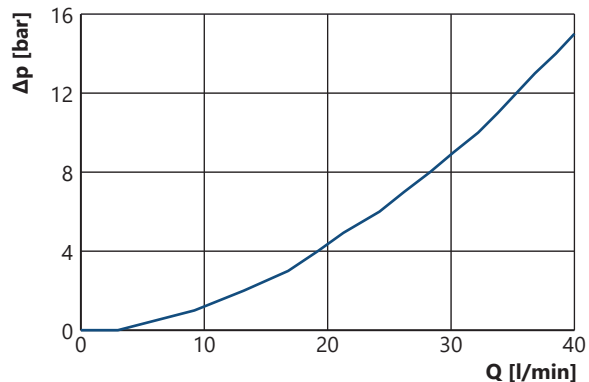
Design:	W33H screw-in valve NCS06/4 or Screw-in valve in G3/8" piping casing
Fluid temperature:	-20 °C to +90 °C
Ambient temperature:	-20 °C to +50 °C
Storage temperature:	-30 °C to +60 °C (non-condensing)
Installation position:	Any
Weight:	Valve: 0.17 kg Valve in the piping casing: 0.97 kg
Materials:	Valve parts: Steel Seals: NBR / PUR, optional Viton
Surface protection:	Galvanized steel

Characteristic curves

Pressure loss characteristic curve ($\Delta p/Q$) W33H-1X06 from 1 to 2



Pressure loss characteristic curve ($\Delta p/Q$) W33H-1X06 from 3 to 2



Measurement conditions

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

NOTE

Different characteristic curves are possible in the event of block installation.

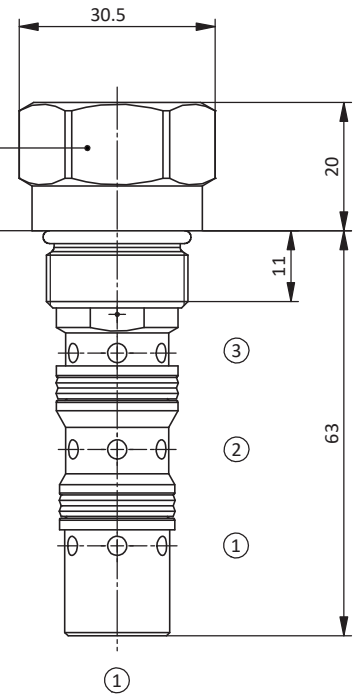
Dimensions

Screw-in valve
W33H-1X06

Tightening torque 65 ± 5 Nm

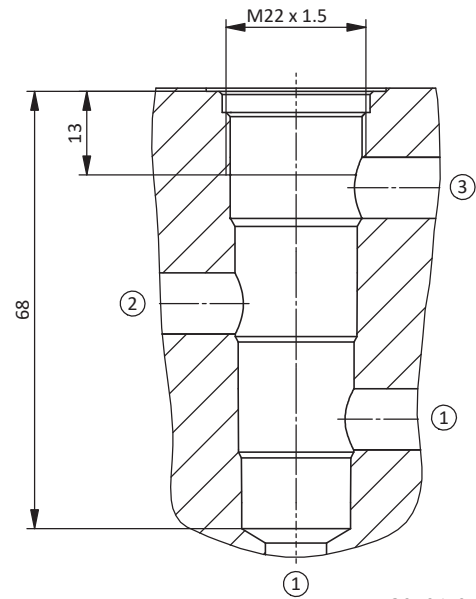
Size 27

Stop shoulder NCS06/4



19501-009-TR-0

Cavity NCS06/4



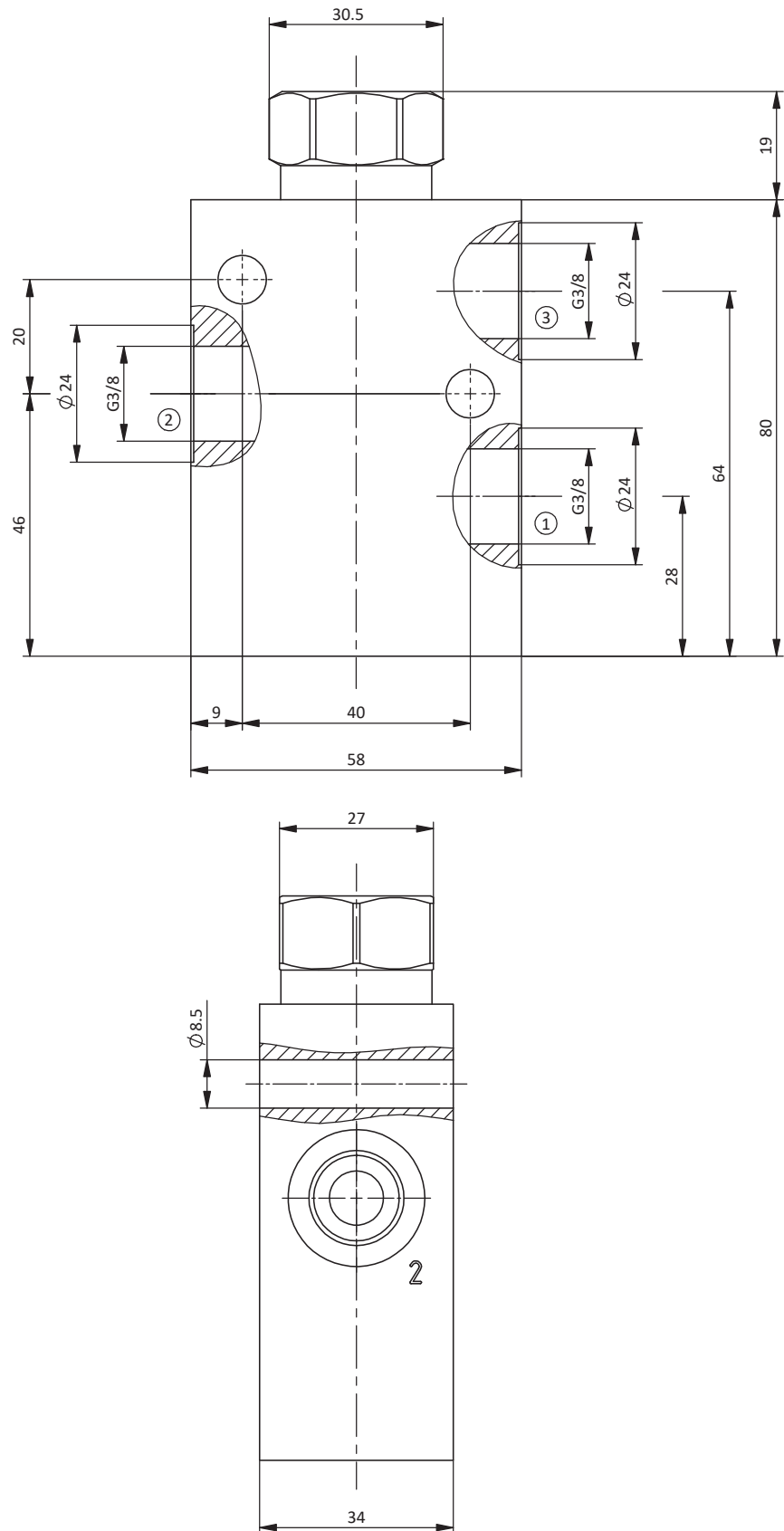
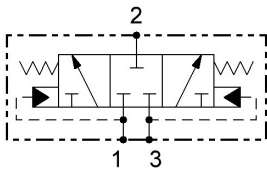
20501-079-TR-0

NOTE

A detailed drawing of the cavity is provided in section 11, "General information" at www.weber-hydraulik.com.

Dimensions

*Screw-in valve in
G3/8"
piping casing*

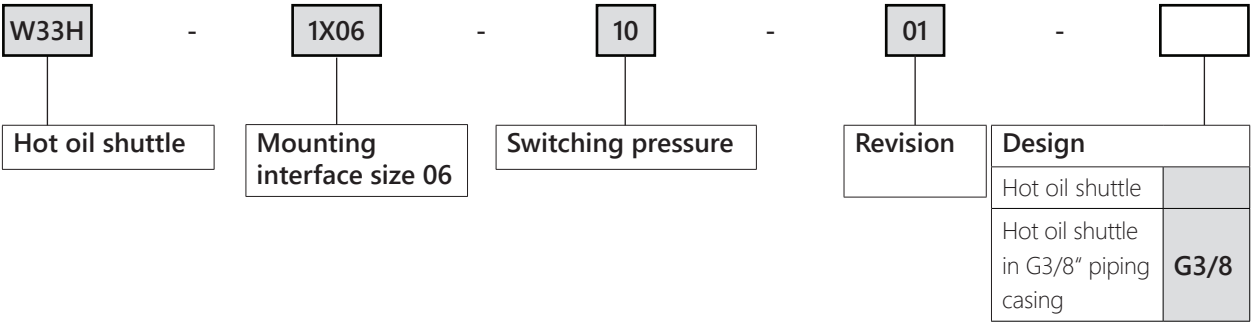


20501-087-TR-0

NOTE

The valve is also available in an NG 10 mounting plate on request. Dimension sheets are available upon request.

Type code



NOTE The valve is also available as W33H-1X06-10-01-NG10 in an NG 10 mounting plate on request.

Accessories and further information

Accessories/spare parts	Article:	Material number:
	Seal kit NCS06/4 (NBR) for W33H-1X06-10-01	1097614
Operating manual	Information regarding assembly, commissioning and maintenance is available in section 11, "General information" in the "General Operating Manual" category or on request.	



WEBER-HYDRAULIK GMBH
Am Wollmatinger Ried 12
78479 Reichenau, Germany
Phone: +49 7531 9748-0

www.weber-hydraulik.com
info.de-k@weber-hydraulik.com

Subject to changes