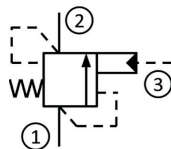


Power.
Movement.
Dynamics.



Counterbalance valve SBH SBH-XI06

Max. operating pressure 280 bar
Max. flow rate 30 l/min



WEBER-HYDRAULIK



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CHARACTERISTICS

- Counterbalance valve without check valve
- Screw-in valve
- Enables loads to be lowered in a controlled manner
- Robust and durable
- Tight-fitting
- Maintenance-free

TECHNICAL DATA

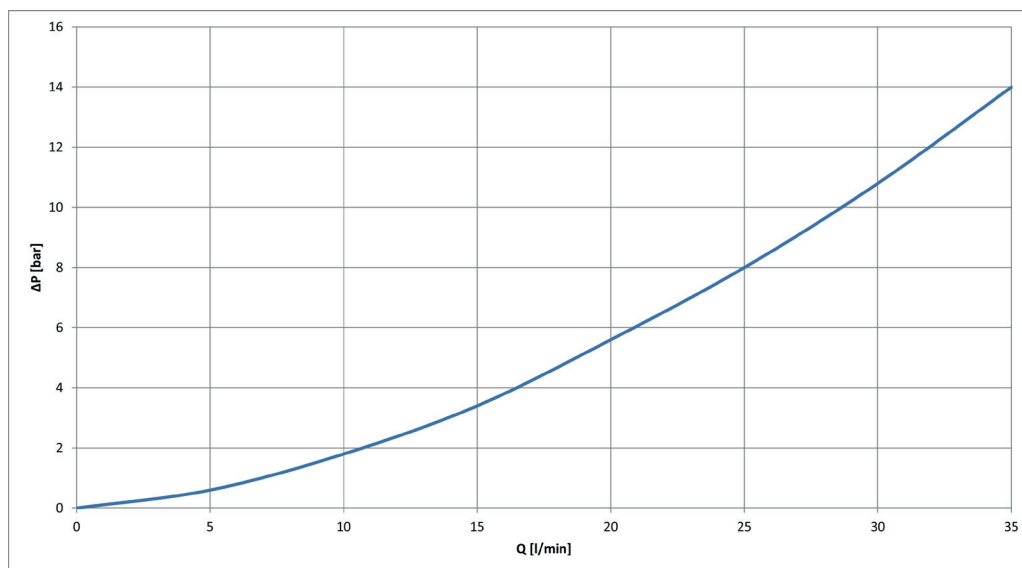
Hydraulic characteristics

Max operating pressure:	280 bar
Max. flow rate:	30 l/min
Opening control ratio:	5.7:1 and 9:1; others on request
Pressure setting:	Between 70 bar and 250 bar. Others on request
Operating fluids:	Mineral oils according to DIN 51524 HVI 32 ATF-Dexron III Fuchs Titan PSF Fuchs Titan CHF IIS Pentosin CHF 202 Petronas ATF 236.3 Others on request
Filtration:	Oil purity according to ISO 4406 18/16/14, filter with $\beta_{5(c)} > 200$
Pressure loss 1 to 2:	15 bar at 30 l/min
Leakage 1 to 2:	Max. 5 drops/min at Δp 112 bar
Leakage 3 to 2:	Max. 100 ml/min at Δp 100 bar

Mechanical characteristics

Design:	Poppet valve
Size:	See the "Dimensions" table
Fluid temperature:	-40°C to +90°C
Ambient temperature:	-40°C to +90°C
Installation position:	Any
Surface protection:	Exterior steel parts made of ZnNi8
Service life:	10 million switching cycles

CHARACTERISTIC CURVES



Measurement conditions

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

DIMENSIONS

Counterbalance
valve SBH

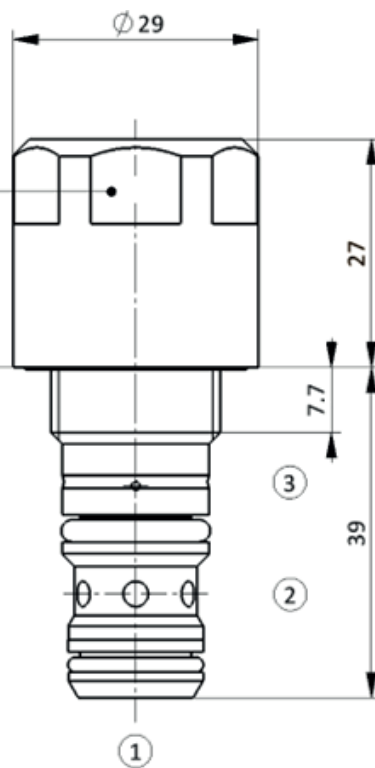
Tightening torque

Steel casing 45 ± 3 Nm

Aluminum casing 55 ± 3 Nm

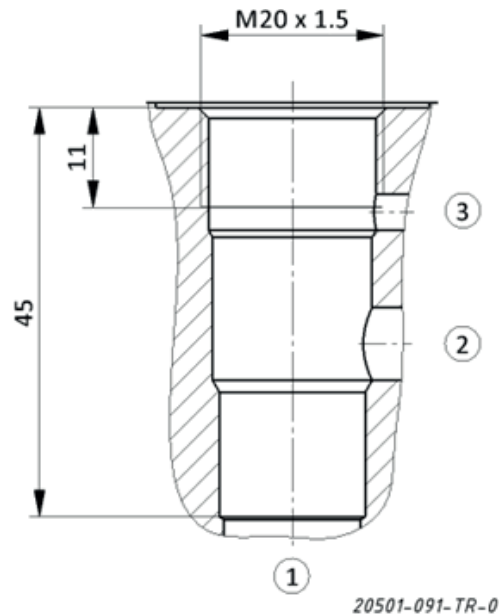
Size 27

Stop shoulder



20501-058-TR-0

Cavity
SBH-3106

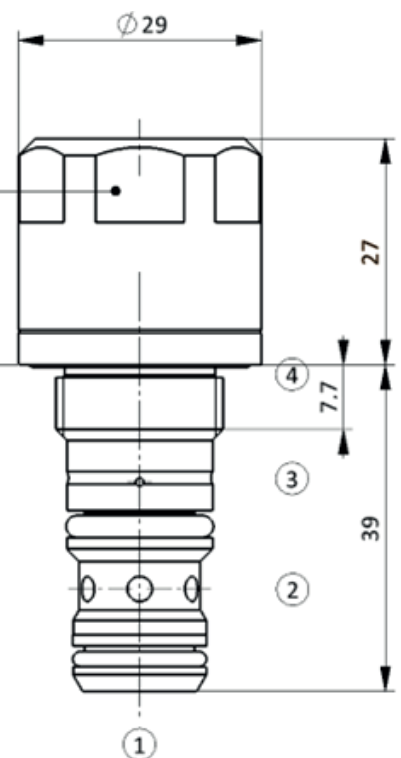


NOTE More information is provided in our online catalog at www.weber-hydraulik.com.

Counterbalance
valve SBH-4106-...-T

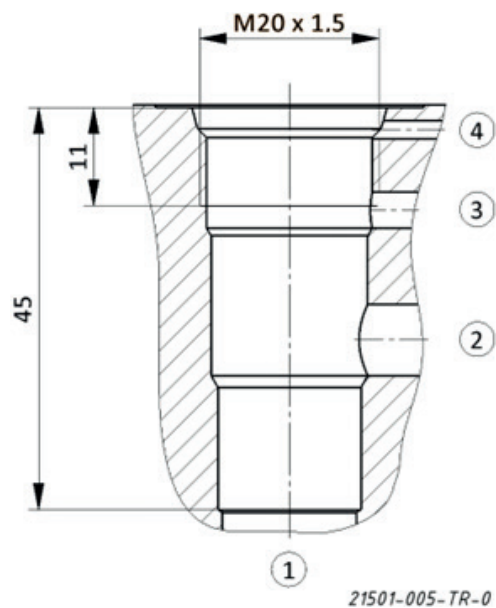
Tightening torque
Steel casing 45 ± 3 Nm
Aluminum casing 55 ± 3 Nm
Size 27

Stop shoulder



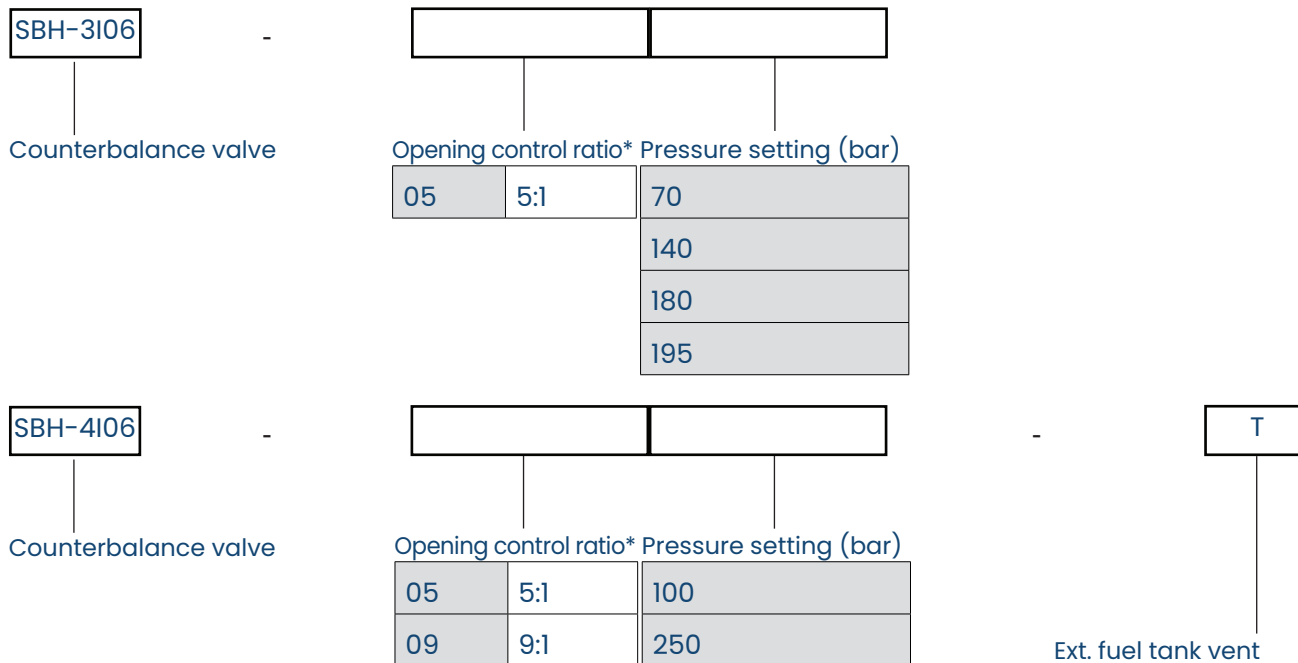
21501-099-TR-0

*Cavity for
SBH-4106-...-T*



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TYPE CODE



NOTE

* An opening control ratio of 9:1 is standard for 250 bar and 5:1 for 100 bar. Other variants, as well as intermediate plates and piping casings are available on request.

MISCELLANEOUS

Operating manual

Information regarding assembly, commissioning and maintenance is available in section 11, "General information" in the "General Operating Manual" category or on request.

NOTE

We reserve the right to make changes to the text and illustrations.



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