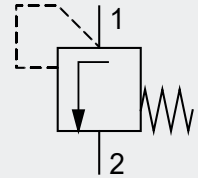


Pressure relief valve **DBG1**



Directly operated
Max. operating pressure 365 bar
Max. flow rate up to 15 l/min



090130_DBG1
02.2018

Table of contents

Contents	Page
Characteristics	1
Technical data	2
Characteristic curves	2
Dimensions	3
Type code	3
Accessories and further information	4

Characteristics

- Screw-in pressure relief valve
- Compact design
- Maintenance-free

Technical data

Hydraulic characteristics

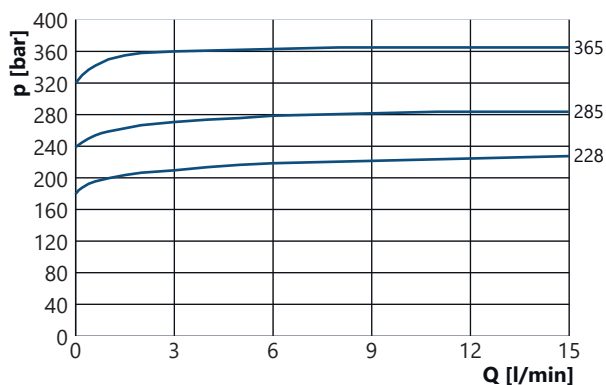
Max operating pressure:	365 bar
Max. tank pressure:	100 bar
Rated flow rate:	15 l/min
Flow direction	From 1 (P) to 2 (T):
Pressure setting range:	See type code
Operating fluids:	Mineral oils according to DIN 51524, others on request
Viscosity range:	12 - 400 cSt
Filtration:	Oil purity according to ISO 4406 (1999) 20/18/15, filter with $\beta_{5(c)} > 200$

Mechanical characteristics

Design:	Screw-in valve
Fluid temperature:	-30 °C to +80 °C
Ambient temperature:	-40 °C to +80 °C
Storage temperature:	-30 °C to +60 °C (non-condensing)
Installation position:	Any
Weight:	0.067 kg
Materials:	Valve parts: Steel Seals: NBR, PTFE
Surface protection:	Galvanized

Characteristic curves

Pressure characteristic curve (p/Q) DBG1



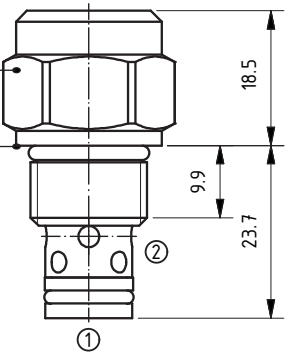
Measurement conditions

Oil: HLP 32, temperature: 40 °C (~46 cSt)

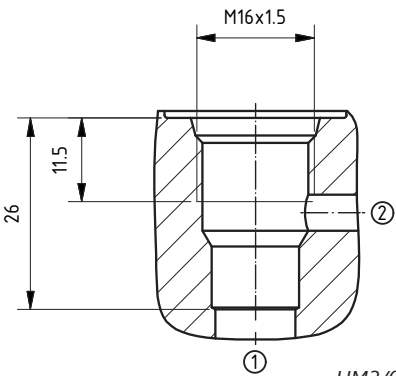
Dimensions

Screw-in valve DBG1

Tightening torque 35 - 40 Nm,
size 21
Stop shoulder



Cavity for DBG1



HM3/09 49 08

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

Type code

DBG1	-	X		P	-						
Pressure relief valve max. 15 l/min		Setting screw with lock nut		Seal PTFE		Set pressure					
		<table><tr><th colspan="2">Pressure setting range</th></tr><tr><td>71-140 bar</td><td>A</td></tr><tr><td>181-365 bar</td><td>W</td></tr></table>		Pressure setting range		71-140 bar	A	181-365 bar	W		
Pressure setting range											
71-140 bar	A										
181-365 bar	W										

Accessories and further information

Operating manual

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