

# Pressure relief valves

**Type DV1000** NG 6 Bieri **up to 1000 bar** 

## **Features**

- Directly operated
- High degree of pressure stability
- Safe function
- Flat characteristic
- Delivered only with released spring

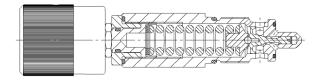


## **Applications**

• Pressure limitation in a dynamic pressure system

## Design

- As cartridge
- As modular valve with one cartridges
- Seat construction
- The system pressure can be set to the required pressure via the adjusting spindle
- · Pressure adjustment possible over the entire pressure range
- Fixing of the pre-set maximum pressure by lock nut
- Stable control behaviour thanks to damping piston



## **Technical data**

Hydraulic fluid	mineral oil according to DIN 51524 (other fluids on request)	
Fluid temperature range	– 20 to 80 °C	
Ambient temperature range	– 30 to 50 °C	
Viscosity range	5 to 400 mm <sup>2</sup> /s	
Porting	NG 6 according to Bieri standard	
Max. operating pressure connection P, A, B	1000 bar	
Max. operating pressure connection T	350 bar	
Max. flow rate	25 l/min	
Filtration (recommentation)	according to NAS 1638 class 6 resp. ISO/DIN 4406 17/15/12	
Weight	see overview "Product informations"	
Material	housing cartridge adjusting knob	Steel, galvanized Steel corrosion resistant Plastic

# Type code

Example	DV 1000 - 6B - P - 1000 - D - V - A 00
Pressure relief valves	Design 00 99
Size	1000 bar
Nominal size Connection Bieri	6 B Index Please leave blank For internal purposes
Design E P	cartridge modular subplate from P to T For internal purposes
Max. setting pressure	1000 bar
Control method	D turning handle
Seal material	V FKM other seal materials on request

Type DV1000

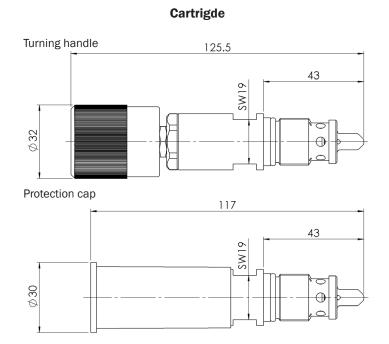
NG 6 Bieri up to 1000 bar

# **Product informations**

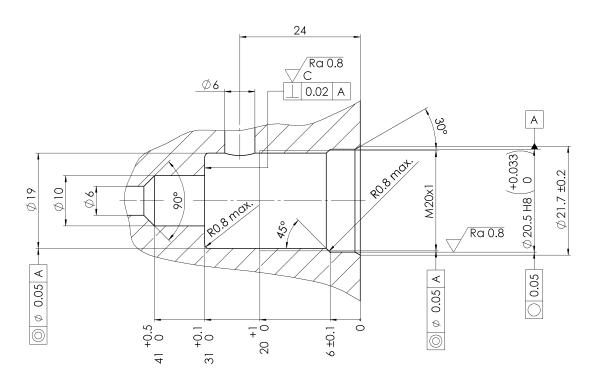
Design	E		
Part No.	4249629		
Symbol			
Weight	0,2 kg		
Design	Р		
Part No.	4301256		
Symbol			
Weight	1,0 kg		



# **Dimensinal drawings**

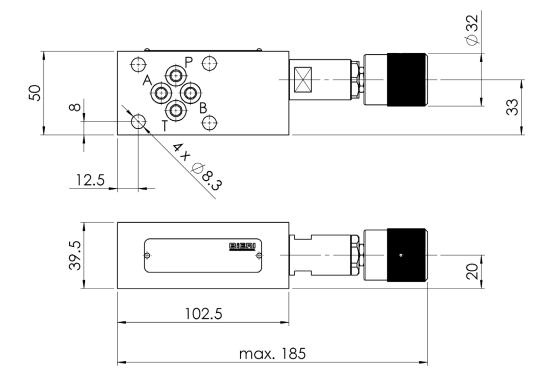


**Cartrigde cavity** 

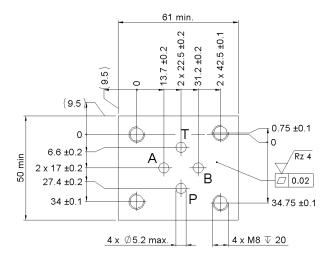


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### Modular subplate from P to T



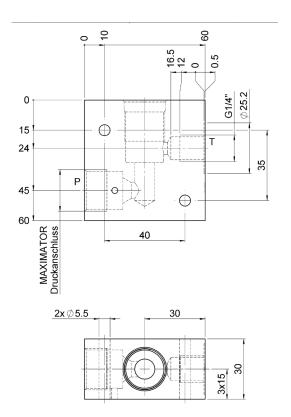
### **Drilling pattern**



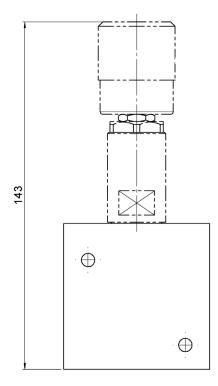
# Valve block for in-line mounting

Туре	Weight	Part No.
VKR-6-DV1000	0,7 kg	4296553

#### **Dimensional drawing**



Dimensional drawing with pressure relief cartridge (Cartridge not included in scope of supply)



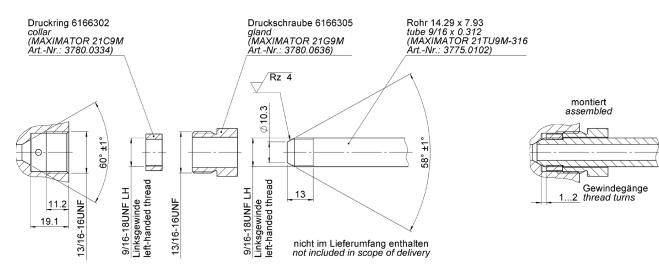


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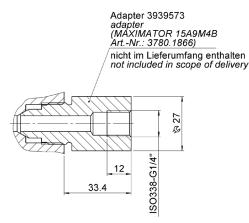
#### **Accessories**

item description	part no.
pressure collar MAXIMATOR	6166302
pressure gland MAXIMATOR	6166305
adapter G1/4" MAXIMATOR	3939573

#### Anschluss "P" mit MAXIMATOR-Verrohrung Connection "P" with MAXIMATOR piping



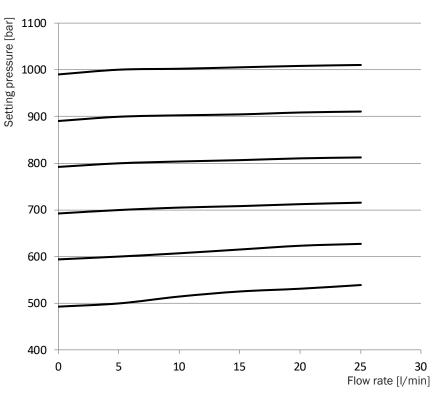
#### Anschluss "P" mit System-Anschluss G1/4" Connection "P" with system adapter G1/4"



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## **Characteristics**

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Measured at v = 32 mm<sup>2</sup>/s, T = 40 °C
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Könizstrasse 274 CH-3097 Liebefeld Tel. +41 31 970 09 09 | Fax +41 31 970 09 10 info@bierihydraulics.com | www.bierihydraulics.com The information in this brochure relates to the operating conditions and applications described.

For applications and operating conditions not described, please contact the relevant technical department. Subject to technical modifications.