

Shut-off valve 500 🕂

Type AVM NG 4 up to 25 I/min

Features

- Bi-directional flow
- Leakage free



Design

- Seated valve
- Cartridge alone or in manifolds

Applications

The shut-off valve AVM is a part of the 500+ series. It is a directly and manually operated seated valve. It opens and closes a hydraulic line at any pressure difference up to 700 bar. It also can be used as discharging valve to the tank.



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 ² /s	
Porting	NG 4	
Max. operating pressure port 1	700 bar	
Max. operating pressure port 2	700 bar	
Max. flow rate	25 l/min ⁻	
Pressure loss	at 12 l/min (fully open) and 32 mm ² /s: 6 bar at 25 l/min (fully open) and 32 mm ² /s: 19 bar	
Filtration (recommendation)	according to NAS 1638, class 6 or ISO 4406 17/15/12	
Weight	0,12 kg (cartridge)	
Material/surface treatment	Cartridge body:high tensile corrosion-free steelSupporting ring:PTSMHandle:steel	

Ordering code

Example	AV M - 4B - EE -	S - V - A 00
Shutt-off val	ve	Special design
Туре	500+	01 99 (00 for standard)
Nominal size		
Cartridge Connection	E BieriB	Part index
In-line body	R	Please leave blank (small letters a-d; different letters do not effect
Design		interchangeability)
X	cartridge	
EE	in the endplate for valve bank with 2 ports G1/4 (e.g. manometer and pressure switch)	Desing revision Capital letters A-Z; identical letters
G3/8	in-line mounting manifold with G3/8	mean equal connecting dimensions
Cartridge m	odel S (star knob)	
Seals	V (FPM)	
	other seal materials on request	

Product information

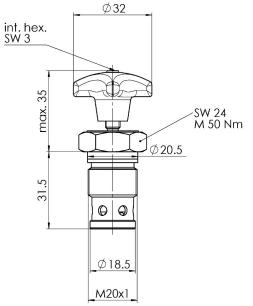
Cartridge

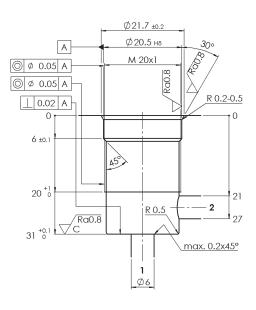
Type code	Part number
AVM-4E-X-V-A*00	3830763

Hydraulics schematics 2



Dimensional drawing





Cavity drawing



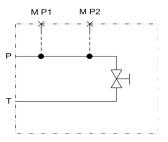
NG 4 up to 25 l/mir

Endplate for valve bank

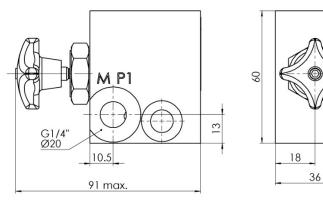
Type code	Part number
AVM-4B-EE-V-A*00	3830764

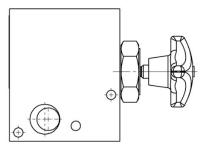
Hydraulics schematics

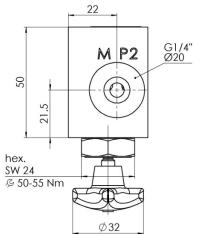
31.5



Dimensional drawing



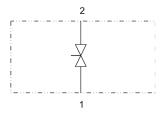




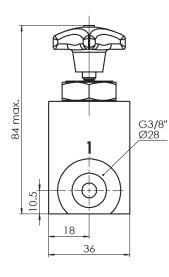
In-line mounting manifold

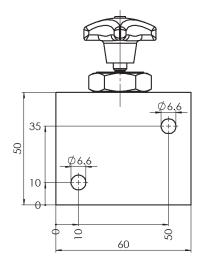
Type code	Part number
AVM-4R-G3/8-V-A*00	3830775

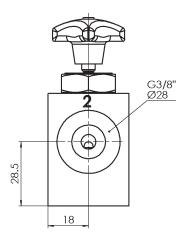
Hydraulics schematics

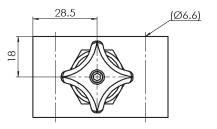


Dimensional drawing









Bieri Hydraulik AG

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.