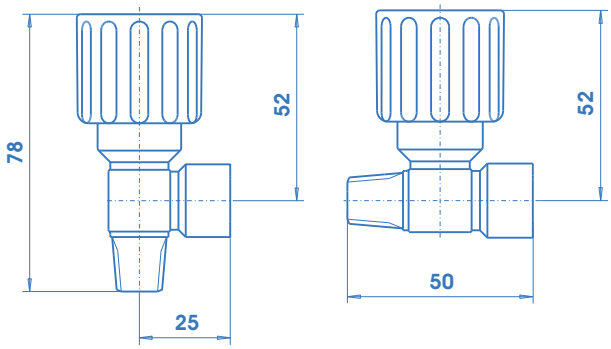
Control- and shut-off valves V6M-3

Control valve EV-V6M-3

Dimensions: valves V6M-3



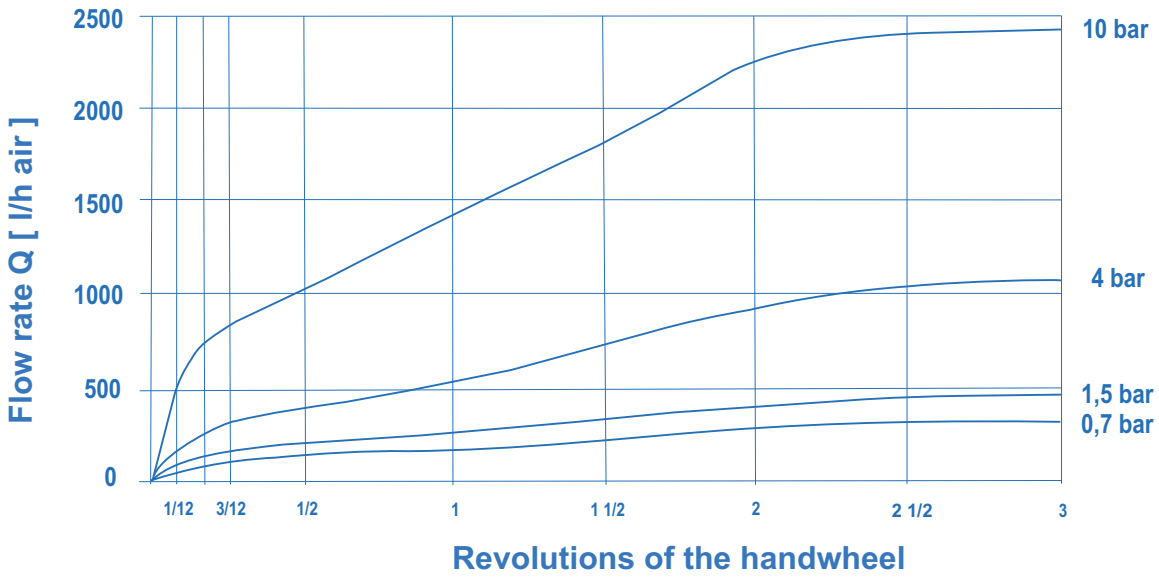
Product features

- Available as control valve (e. g. for the pressure regulator outlet)
- High control accuracy
- Shut-off valves (e.g. for in- and outlets of pressure regulators with inert gas purge arrangements)
- Diaphragm metal-to-metal sealed to atmosphere
- Ergonomically designed
- New laboratory-style design
- Compact design

Technical data

Operating pressure	
Control valve:	max. 50 bar
Shut-off valve:	max. 200 bar
Nominal diameter	3 mm
Materials	
Body:	chrome-plated brass
Diaphragm:	Duratherm 600
Control spindle:	SS 1.4404 (SS 316 L)
Inlet connection	1/4”-18 NPT-M
Outlet connection	1/4”-18 NPT-F
Leak rate	$<10^{-8}$ mbar l/s He
Weight	0,5 kg
Flow rate	see flow curves
c_v-value shut-off valve	$c_v = 0,08$

Flow curves control valve V6M-3



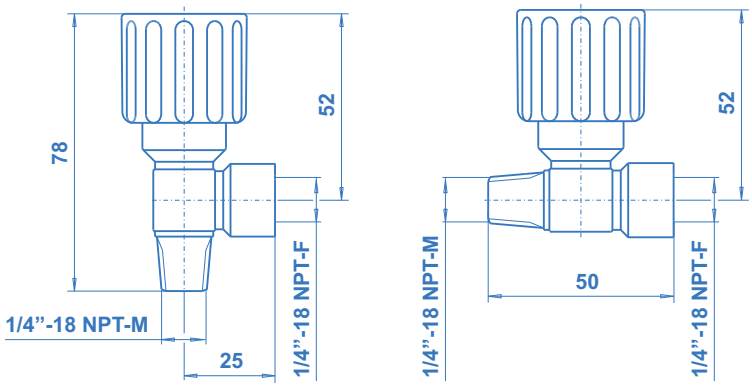
Data sheet DES V6M-3 - Edition 0912
Subject to alteration without prior notice

Spectron Gas Control Systems GmbH
Fritz-Klatte-Str. 8, D-65933 Frankfurt
Tel.: +49 (0)69 38016-0, Fax: +49 (0)69 38016-200
info@spectron.de www.spectron.de

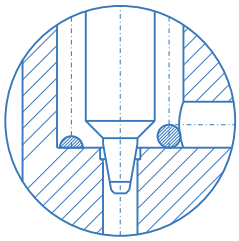
Control- and shut-off valves V6M-3

spectro lab

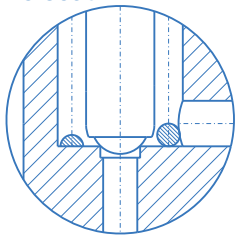
Dimensions valves V6M-3



Detail:
Control valve seat



Detail:
Shut-off valve seat



Ordering information:
V6M-3 series valves

DV - V6M-3 - CV

Type

DV - globe valve
EV - angle valve

Function

AV - shut-off valve
CV - control valve

Article numbers control valves

globe valve	DV-V6M-3-CV:	**71801038**
angle valve	EV-V6M-3-CV:	**71801036**

Article numbers shut-off valves

globe valve	DV-V6M-3-AV:	**71804363**
angle valve	EV-V6M-3-AV:	**71804364**

Specifications

- SPECTROLAB - components guarantee maximum quality by using high grade materials and a quality assurance program acc. to ISO 9001.
- All components which come into contact with the medium are cleaned in an ultrasonic cleaning system (CFC-free) with the special cleaning process SPECTRO-CLEAN® and are then baked out.
- SPECTROLAB - components undergo a 100% Helium-leak-test.

Important note regarding component selection

- In order to assure safe operation it is essential to take the configuration of the whole system into account when selecting a component.
- The function of the component, the compatibility of the materials, correlating temperature ranges, correct installation, operation and maintenance in accordance with the relevant regulations are the responsibility of the system designer and the user.

Data sheet DES V6M-3 - Edition 0912
Subject to alteration without prior notice

Spectron Gas Control Systems GmbH
Fritz-Klatte-Str. 8, D-65933 Frankfurt
Tel.: +49 (0)69 38016-0, Fax: +49 (0)69 38016-200
info@spectron.de www.spectron.de

spectron