

Coax-control valve, directly operated series CVCRQ-32



Above stated body materials refer to the valve port connections that get in contact with the media only!

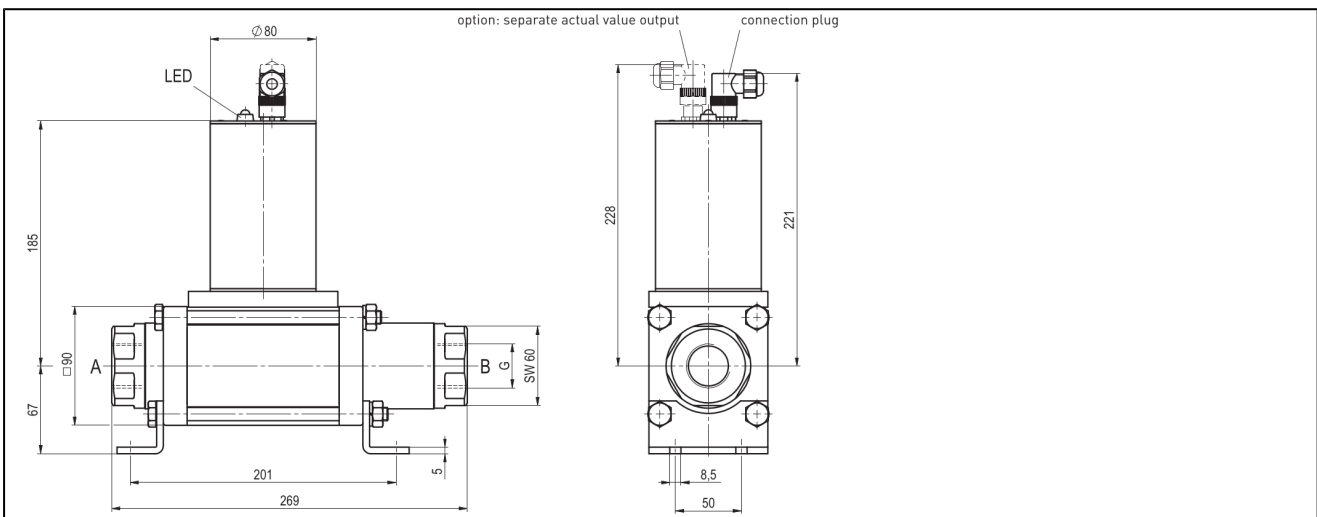
details needed

- orifice
- port
- operating pressure/ Δp
- flow rate
- media
- media temperature
- ambient temperature
- nominal voltage
- control signal

The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

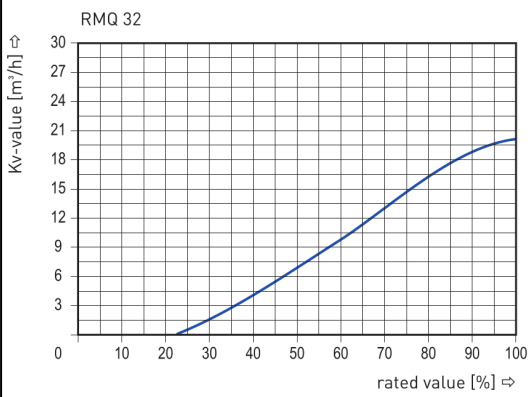
If order or application specifications are incomplete or imprecise there exists a risk of an incorrect technical design of the valve for the required application. As a consequence, the physical and / or chemical properties of the materials or seals used, may not be suitable for the intended application. To avoid hydraulic shocks in pipelines, the flow velocities must be taken into account when designing valves for liquids.

control valve	electro motorically controlled						
pressure range	PN 0-63 bar						
orifice	DN 32 mm						
connection	thread						
function	stepless stroke regulation						
operating principle	direct acting with integrated 3-point-regulation						
body material	<table border="0"> <tr> <td>① brass</td> <td>④</td> </tr> <tr> <td>②</td> <td>⑤</td> </tr> <tr> <td>③</td> <td>⑥ stainless steel</td> </tr> </table>	① brass	④	②	⑤	③	⑥ stainless steel
① brass	④						
②	⑤						
③	⑥ stainless steel						
valve seat	synthetic materials on metal						
seal materials	FPM, PTFE						
	general specifications						
ports	RMQ threads G 1 1/4 - G 1 1/2						
function	stepless stroke regulation						
pressure range	bar 0-16 0-63						
Kv value	DN 32						
	m ³ /h 0 - 20,0						
back pressure	bar max. 10						
media	gaseous - liquid - highly viscous - contaminated						
abrasive media							
flow direction	A ⇒ B as marked						
switching cycles							
operating time	DN 32						
closed - open	sec. ca. 3,5						
media temperature	°C -20 to +80						
ambient temperature	°C max. +70						
approvals	WAZ						
mounting	mounting brackets						
weight	kg 8,6						
	options						
nominal voltage	U _n DC 24 V						
	U _n AC 24 V						
current consumption	DC < 1,0 A						
	AC < 1,0 A						
control signals	I _E 0-20 mA / 4-20 mA actual valve output						
	U _E 0-10 V IA 4-20 mA						
protection	IP65 (P54) acc. DIN 40050						
energized duty rating	ED 100 % (according to the manufacturer certifying)						
connection	M12x1 concentric socket DIN 40040, 5poles / wire diameter 6-8 mm						
additional equipment	internal separate actual valve output						

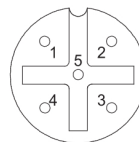


Mounting orientation can be vertical or horizontal, actuator cannot be installed facing down

Kv value

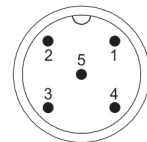


connection plan / connection plug



- 1: nominal voltage
- 2: nominal voltage
- 3: control signal
- 4: ground (control signal)
- 5: earthing

option separate actual value output



- 1: actual value 4-20 mA (+)
- 2: actual value 4-20 mA (-)

illustrations are non-binding
all designs, configurations, measurements and materials are subject to change without prior notice