

Coax-control valve, directly operated series CVCRQ-10



⚠ 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

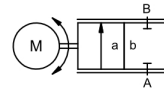
⚠ The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

⚠ 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.

specifications not highlighted are standard
 specifications highlighted in grey are optional

control valve
pressure range
orifice
connection
function

electro motorically controlled
 PN 0-25 bar
 DN 1-10 mm
 thread/cartridge
 stepless stroke regulation



operating principle

direct acting with integrated 3-point-regulation

body material

- ① aluminium
- ②
- ③
- ④
- ⑥ stainless steel

valve seat

synthetic materials on metal

seal materials

PU, HNBR FPM

ports
function
pressure range
Kv value

RMQ threads G 3/8
 stepless stroke regulation
 bar 0-25
 DN 1 | 2 | 3 | 4 | 5 | 6 | 8 | 10 |
 U/min 0,8 | 1,8 | 3,5 | 5,7 | 9,0 | 15 | 26 | 45 |
 bar max. 10
 gaseous - liquid - highly viscous

back pressure
media

A ⇒ B as marked

abrasive media
flow direction
switching cycles
operating time
closed - open
media temperature
ambient temperature
approvals
mounting
weight

DN 1 | 2 | 3 | 4 | 5 | 6 | 8 | 10 |
 sec. ca. 3,5 | 5 | 5 | 7 | 8,5 | 12 | 16 | 17,5 |
 °C 0 to +80
 °C max. +70

options

WAZ
mounting holes
 3,4

nominal voltage

U_n DC 24 V
 U_n AC 24 V
 DC < 1,0 A
 AC < 1,0 A

current consumption

control signals

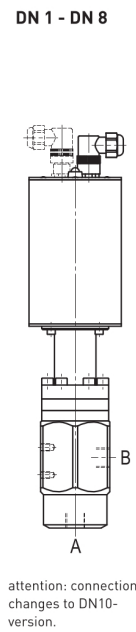
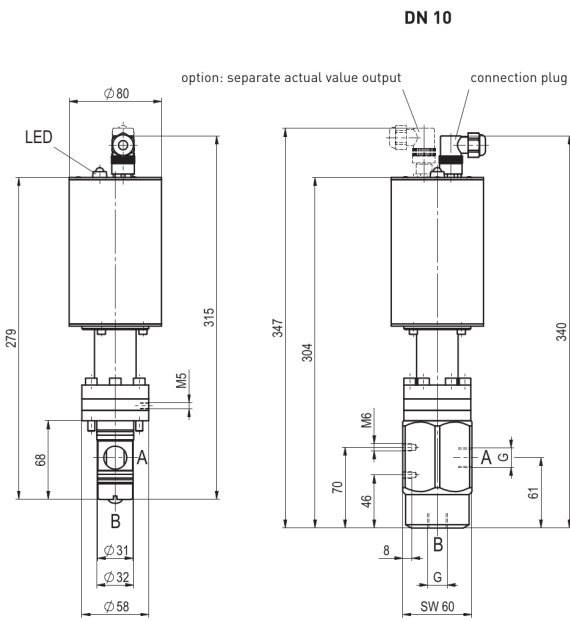
I_E 0-20 mA / 4-20 mA actual valve output
 U_E 0-10 V IA 4-20 mA

protection
energized duty rating
connection
additional equipment

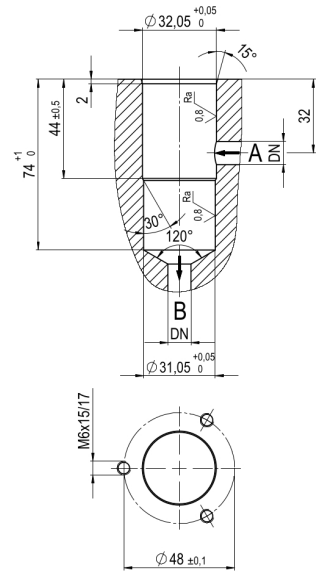
IP65 [P54] acc. DIN 40050
 ED 100 % [according to the manufacturer certifying]
 M12x1 concentric socket DIN 40040, 5poles / wire diameter 6-8 mm
 internal separate actual valve output

options

drilling design for cartridge

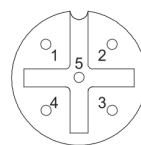


attention: connection changes to DN10-version.



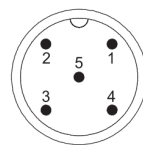
Mounting orientation can be vertical or horizontal, actuator cannot be installed facing down

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