Rada Pulse 3- vegs motorventil

Art.nr: RP093-70
NRF-nr.: 4503664

Elektrisk: 24V AC, 50/60Hz, 1 VA
Material: Ventil i messing
Røranslutning: 1” utv.
CE godkjent

Rada Pulse 3- vegs motorstyrt ventil benyttes til å heve varmtvannstemperaturen ut på tappestedene i forbindelse med automatisk legionellaspyling.

Rada Pulse 3- vegs motorstyrt ventil styres enten via Rada Pulse 850 timersentral eller via byggets SD- anlegg.

3- vegs motorventil brukes både ved dusjarmatur for temperert vann og dusjarmatur med individuell temp. regulerring.
Se forklaring og skisser på neste side

Vestnor Teknikk AS, Nyeveien 49 B, 4370 Egersund
Tlf: 51498060, Epost: post@vestnorteknikk.no
Internett: www.vestnorteknikk.no

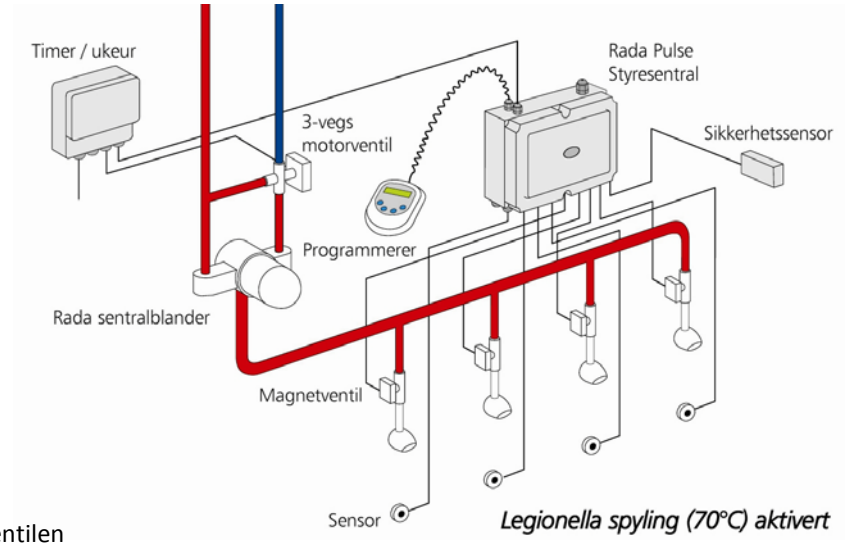
Alternativ 1:

3- vegs motorstyrt ventil sammen med sentralblander for temperert vann til dusjene:

Rada 3- vegs motorventil monteres på kaldtvann tilførselen foran sentralblanderen, med en tverrforbindelse over til varmtvann tilførselen.

Ved Legionella spying får Rada 3- veg motorventil signal fra Rada Pulse Timersentral 850 (evnt. SD- anlegg) om å gå i posisjon for Legionella spyling. Ventilen stenger da kaldtvann tilførselen, og slipper gjennom hett vann(60-80°C) på begge sider av sentralblanderen. Rada Pulse styresentral vil da slippe gjennom vann i alle dusjhodene.

Når den programmerte spyletiden er over, vil 3- vegs ventilen gå tilbake til normalstilling for temperert vann(ca 38°C).



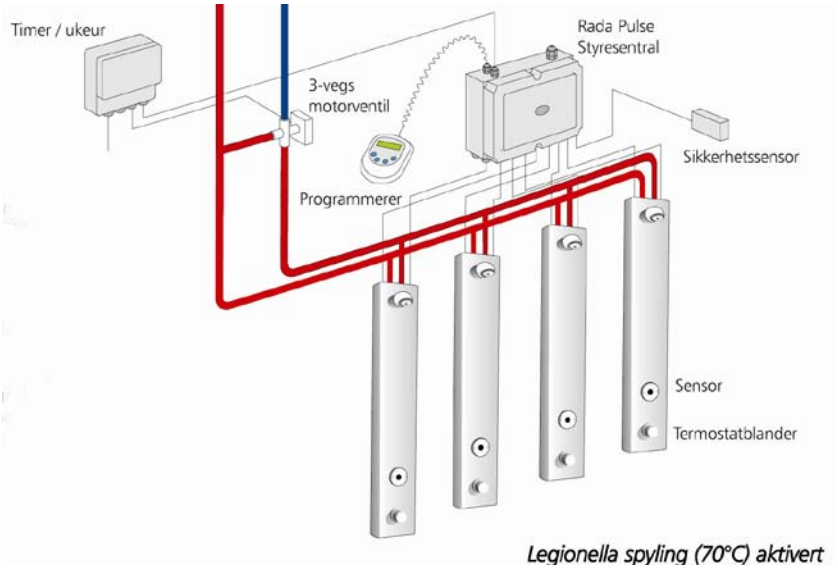
Alternativ 2:

3- vegs motorstyrt ventil sammen med DP-4 therm dusjpanel med individuell temperaturregulering:

Rada 3- vegs motorventil monteres på kaldtvann tilførsel til dusjrommet, med en tverrforbindelse over til varmtvann tilførsel.

Ved Legionella spyling får Rada 3- veg motorventil signal fra Rada Pulse Timersentral 850 (evnt. SD- anlegg) om å gå i posisjon for Legionella spyling. Ventilen stenger da kaldtvann tilførselen, og slipper gjennom hett vann(60-80°C) på begge tilførselsrørene til termostatblanderen på dusjpanelet.
Rada Pulse styresentral vil da slippe gjennom vann i alle dusjhodene.

Når den programmerte spyletiden er over, vil 3- vegs ventilen gå tilbake til normalstilling for varmt og kaldt vann inn på dusjpanelene.



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REVERSIBLE ROTARY ACTUATORS FOR HGM - HMM - VDM VALVES

CDK 068 - 064 Eng.

- **EXTRACTABLE TERMINAL BLOCK**
- **RAPID MOUNTING ON VALVE**
- **POSITION INDICATORS**
- **3-wire electric control (common, opens, closes)**
- **Auxiliary SPDT miniature switch**
- **Power supply: 230 V~ and 24 V~ ; IP 53 protection**

CE

1. APPLICATION

CDK 068 - 064 actuators are designed to operate Coster HGM - HMM (ball) and VDM (ceramic disk) valves.
The actuator is mounted directly on the valve so taht no linkage kit is required.

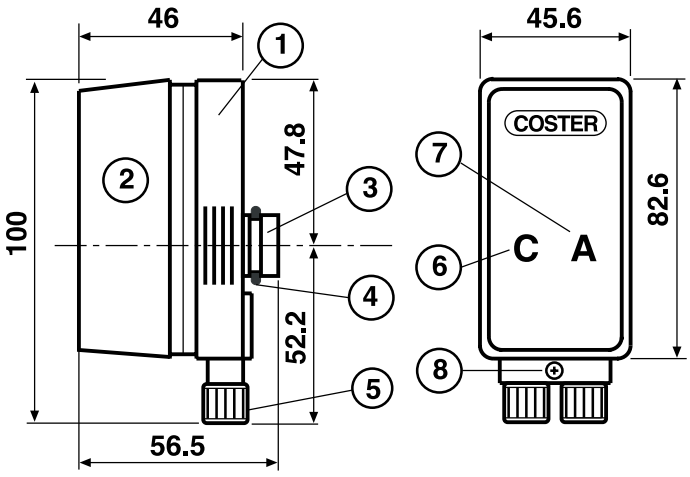
2. OPERATION

CDK 068 -064 actuators incorporate a reversible synchronous electric motor with three-wire electric control (common, opens, closes). They can be controlled by an On-Off or modulating device (thermostat, switch, modulating controller) provided with an SPDT output switch.
The electric motor transmits the rotary movement to the mechanical reducing gear which governs the rotation speed of the output shaft and, accordingly, the actuator run time.
The actuator run is 90° and is limited by two miniature switches operated by an end-of-run cam.
They are fitted with two voltage-free SPDT auxiliary miniature switches (**switching takes place at approximately the half-run of the actuator**).

3. MODELS

Model	Power supply V~ (VA)	Run time seconds	Nominal torque kg/cm (Nm)	Starting torque kg/cm (Nm)	Valves (up to DN) HGM-HMM-VDM
CDK 068	230 (4)	60	15 (1.5)	30 (3.0)	1"
CDK 064	24 (1)	60	15 (1.5)	30 (3.0)	1"

4. OVERALL DIMENSIONS



1 – Base
2 – Semi-transparent protective cover
3 – Coupling for valve
4 – Actuator/valve locking spring
5 – Unions for passage cables
6 – Indicator actuator closed (the “C” turns white)
7 – Indicator actuator open (the “A” turns white)
8 – Securing screws for terminal block protective cover

5. TECHNICAL DATA

Power supply :	
CDK 068	230 V~ ± 10%
CDK 064	24 V~ ± 10%
Frequency	50…60 Hz
Consumption:	
CDK 068	4 VA
CDK 064	1 VA
Protection	IP 53
Rotation angle	fixed at 90°
Run time	60 seconds
Torque :	
Nominal	15 kg/cm (1.5 Nm)
Starting	30 kg/cm (3.0 Nm)
Auxiliary miniature switch :	
maximum switching voltage	250 V~
maximum switching current	5 (1) A
Materials:	
Base	ABS with glass fibre
Cover	semitransparent polycarbonate
Valve fluid temperature	5…95 °C
Ambient temperature:	
Operating	0…45 °C
Storage	– 20…+ 60 °C
Weight	0.210 kg

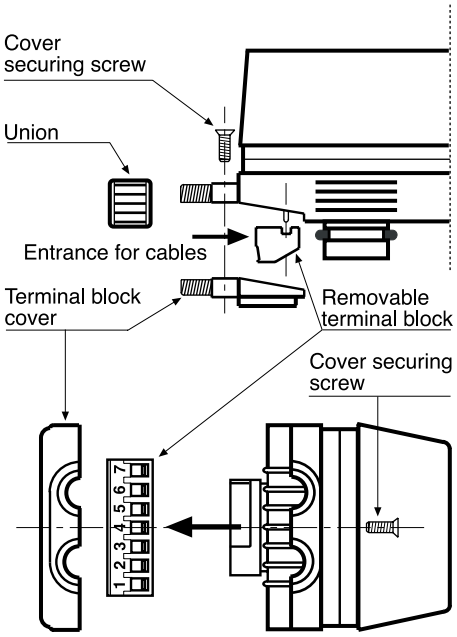
6. CONSTRUCTION

The actuator base is made of ABS reinforced with glass fibre; the cover is in semitransparent polycarbonate.
The closing position (4.6) and the opening position (4.7) are clearly indicated.
Two openings, furnished with cable-strain relief bushing grips, permit the passage of the electric cables.
The coupling device, at the rear of the base, permits rapid mounting of the actuator on the valve.

7. ELECTRICAL CONNECTIONS

– To ensure a good protection and seal, the outside diameter of the cables must be between 6.25 and 7 millimetres.
– To conform with regulation CEI 20-20 we suggest using the following cable types :
  • cable type H03VV-F with three wires x 0.75 mm^2 (2 + yellow/green),
  • cable type H03VV-F with four wires x 0.75 mm^2 (3 + yellow/green),
  • cable type FROR 300/500 V with three wires x 1 mm^2 (2 + yellow/green.
– Loosen the securing screw (4.8) and the two unions for the passage of the cables (4.5) and remove the protective cover from the terminal block.
– Slip the unions on to the cables.
– **To facilitate making the connections the terminal block can be removed.**
– Make the electrical connections following carefully the diagram in 10. WIRING DIAGRAM.
– Having made the connections, insert the terminal block (if it has been removed), replace the protective cover, tighten up the unions and then secure the whole with the securing screw..

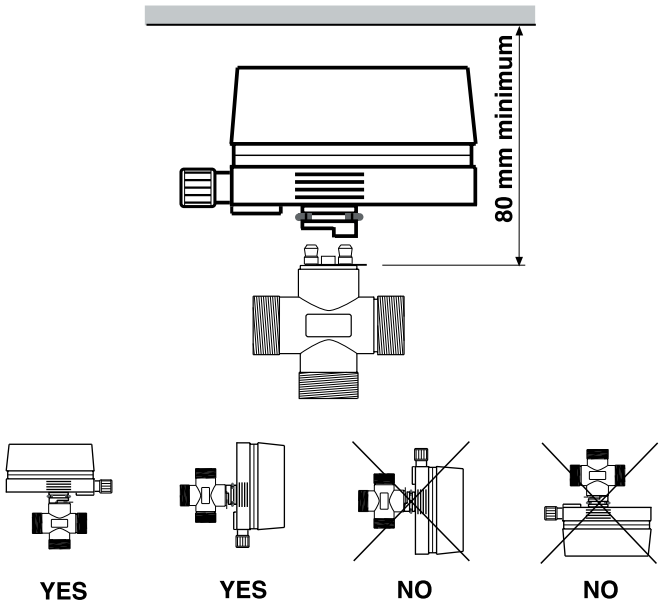
The union corresponding to the auxiliary switch connection terminals is closed so as to ensure the necessary protection for the actuator in the event that the auxiliary itself is not used.
To connect it, it is necessary to open the union passage by breaking the internal protective membrane .



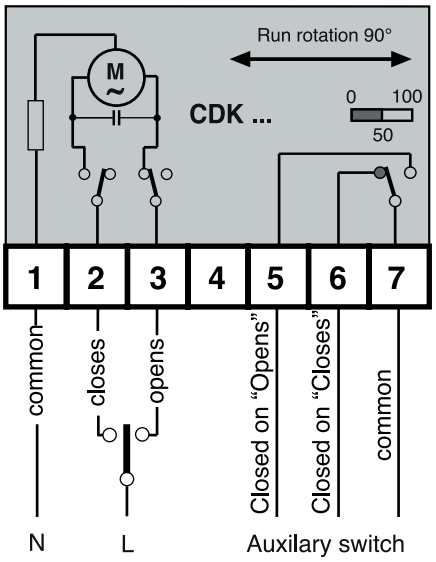
8. MOUNTING THE ACTUATOR ON THE VALVE

– Check the position of the milling on the actuator shaft.
– If necessary, rotate the valve spindle to make it coincide with the milling on the actuator shaft.
– Position the actuator on the valve by inserting the two pivot pins on the latter into the two corresponding holes in the base; then press hard on the head of the actuator until you feel it snap into position on the valve.
– Power the actuator and have it make a couple of complete runs to ensure it works correctly.

9. INSTALLATION IN PLANT



10. WIRING DIAGRAM



Factory setting : actuator closing

MZ 20.01.03 Rev.: MZ 16.02.04; MZ 13.07.04

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