

ASDA/SR Actuator Speed Controller



INSTALLATION AND MAINTENANCE.

GENERAL

This instruction manual contains important information regarding installation, operation, maintenance and storage of actuator speed controller Type DVC5959. Read the instructions carefully and save them for future use. It is extremely important that only properly trained personnel assemble or disassemble the equipment.

DESCRIPTION OF TYPE DVC5959

5/2-way or 3/2-way speed control valve for smooth regulation of opening and closing function of the actuators. Produced with NAMUR standard for sandwich assembly with direct-mounted solenoid valves or with adapter plate for externally mounted solenoid valves. The surface is hard anodized (40µ) as corrosion protection. Accurate speed control in both directions.

MEDIA

- Clean, dry or lubricated compressed air
- Inactive and non-corrosive gases (consultation required DVC)

Do not use flammable, explosive, oxidizing, corrosive or unstable gases to control pneumatic equipment. If equipment is used beyond the stated maximum limit for temperature, pressure or recommended control media it can cause damage to the internal components and personal injuries.

RECOMMENDED AIR QUALITY

DIN/ISO 8573-1 Class3

Maximum particle size: 5µ

Maximum pollution of air: 1mg/m³

Maximum oil content: 1mg/m³

Dew point: 10°C below the lowest ambient temperature.

OUTPUT PRESSURE

Minimum: 1,5 bar

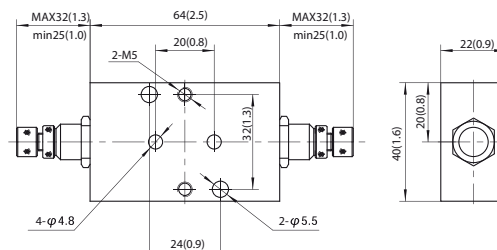
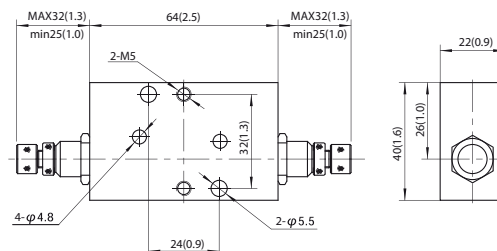
Maximum: 8 bar (120 PSIG)

TEMPERATURA

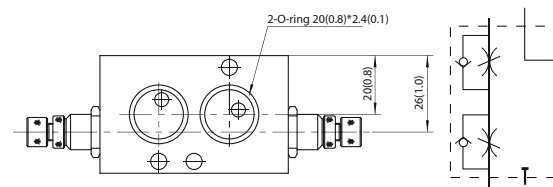
Standard (NBR o-ring): -20°C to +80°C.

IMPORTANT: When high and low temperatures required special grease. In addition, high and low temperatures affect the actuator torque.

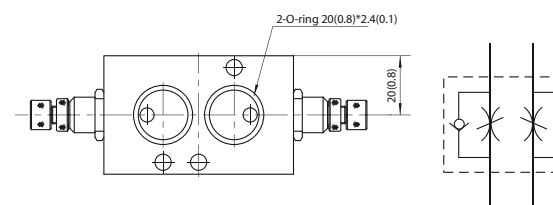
DIMENSION



ASCSR

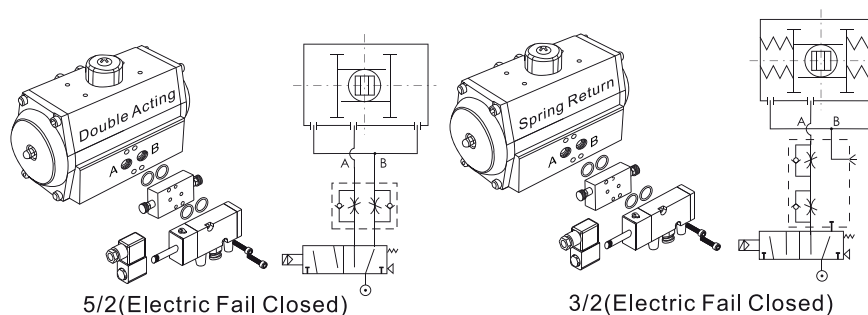


ASDA

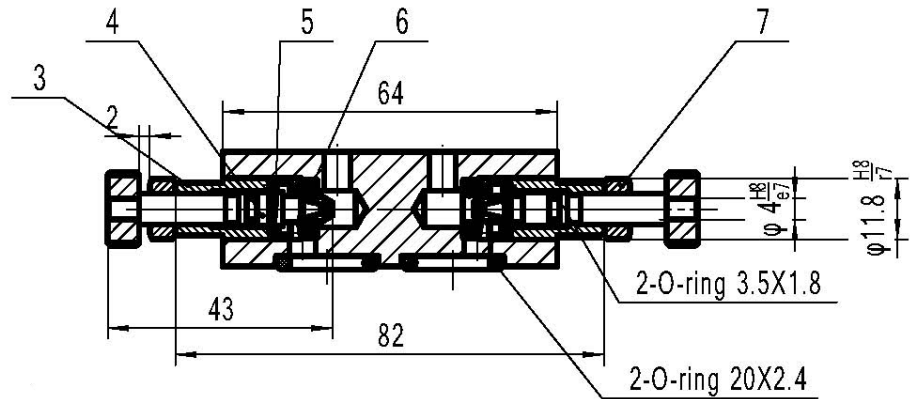


MOUNTING

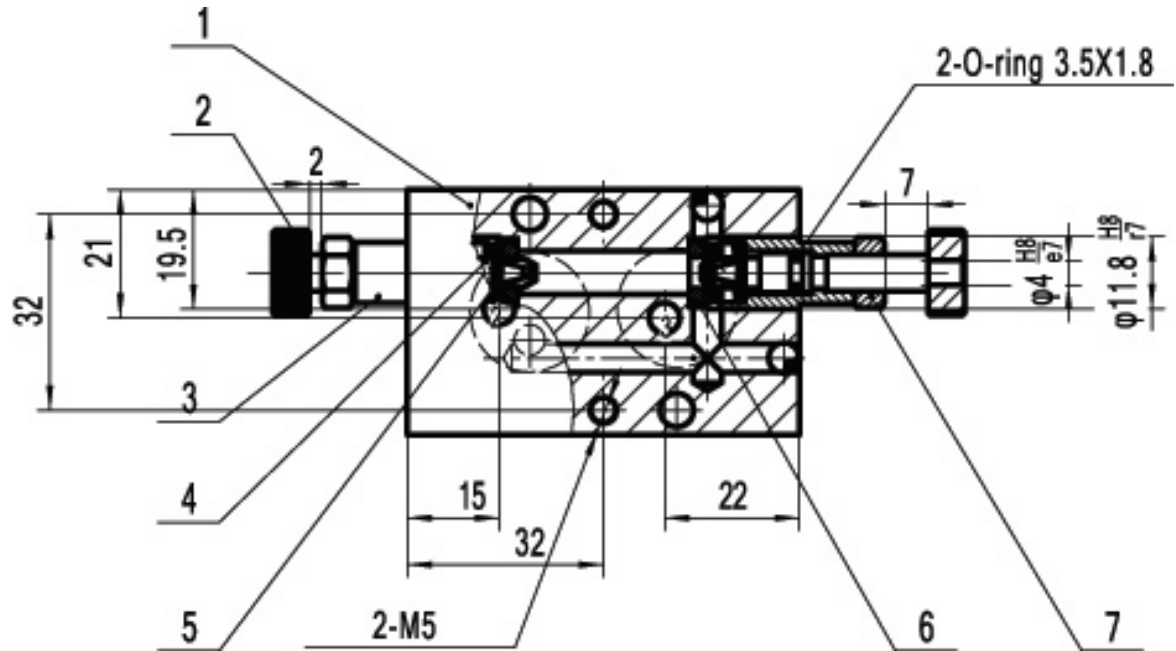
Mounted directly on pneumatic actuators with adaptor plate or used with Namur solenoid valves for controlling the opening and closing speeds of pneumatic actuators. The speed controller is able to control the rotational speed of the actuator in a consistently and safely way with large accuracy.



No.	Description	Pcs.	Material
1	Body	1	Aluminum, hard anodized (40μ)
2	Nut	1	Aluminum, hard anodized (40μ)
3	Liner	1	S.S. (1CR13)
4	Stamp	1	S.S. (1CR13)
5	Spring	1	S.S. (1CR18NI9TI) D=0,5
6	O-Ring	1	NBR
7	Stop Nut	2	S.S. (1CR18NI9TI)



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STORAGE

- Make Sure that the equipment is completely dry and free of water.
- Seal the air pressure holes of the original or replacement plastic plugs.

IMPORTANT SAFETY WARNINGS !!!

- Before carrying out any repair or maintenance on the pneumatic equipment, make sure that the pressure supply lines and electrical connections have been safely isolated, removed or disconnected by authorized personnel. The pneumatic equipment must not be pressurized at any time during installation as injury may result.
- Never put any corpspart in the opening or port of the pneumatic equipment or device.
- Before installing onto a pneumatic equipment make sure that the rotation are the same and that the position indicator orientation is also correct.
- Never forget that for the correct operation, a pneumatic equipment must be sized adequately and with sufficient safety margin of torque output for the correct operating conditions of the pneumatic equipment.

*Authorized and skilled personnel should only perform maintenance of these pneumatic equipment