

INSTALLATION, OPERATION AND MAINTENANCE MANUAL

Pneumatic Actuator Speed Controller Namur Connection (5/2)



Ref. GENE BRE: 5953 – P5953

Installation, operation and maintenance instructions

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1. Product Description.

The Pneumatic Actuator Speed Controller was designed with an advanced technology that was made specifically for the use of controlling the opening and closing speeds of pneumatic actuators.

The speed controller is able to control the rotary speed of the actuator at any rate accurately, consistently & safely without the fluctuation that is commonly found in Brass Speed Controls due to vibrations and other difficult conditions.

2. Data and Technical Features

<i>SPECIFICATIONS AND TECHNICAL DATA</i>	
<i>Material</i>	<i>Aluminum,</i>
<i>Coating</i>	<i>Anodized</i>
<i>Assembly and Connection</i>	<i>24 x 32 Namur (5/2)</i>
<i>Working Medium</i>	<i>Filtered and dried air</i>
<i>Maximum Orifice of Flux</i>	<i>Ø 3.74 mm (11.07 mm²)</i>
<i>Maximum flow coefficient</i>	<i>500 L/M</i>
<i>Working Temperature</i>	<i>-20°C ~ 80°C</i>
<i>Working Pressure</i>	<i>1.5 ~ 8 Bar</i>
<i>IP Protection</i>	<i>IP 67</i>

3. Storage

During storage it is recommended to keep the product in the included protective wrapping to avoid damages or dirt accumulation. The wrap must not be removed until element is to be installed. As much as possible, it must be stored in a dry and clean environment.



Transport and storage of these devices must be done in their original wrapping.

VISUAL INSPECTION

Check whether during transport, unloading and placement, devices have suffered no damages.

MECHANICAL INSPECTION

Check whether all mobile parts of the different devices, as well as the screws and other elements, are accomplishing their purpose.



If you notice any kind of anomaly during reception of the goods, contact immediately with GENE BRE in order to determine the possible responsibilities on the issue and make the devices fully operational.

IMPORTANT NOTE:

Before installing and/or manipulating these pneumatical elements, READ CAREFULLY these instructions for use and OBSERVE all contained information. If you fail to understand any of their content, please contact GENE BRE, S.A.



User is responsible for the safe use of these devices, as established in present instructions for use and in the specific technical documentation of the device.

4. Installation instructions

4.1) Preparation

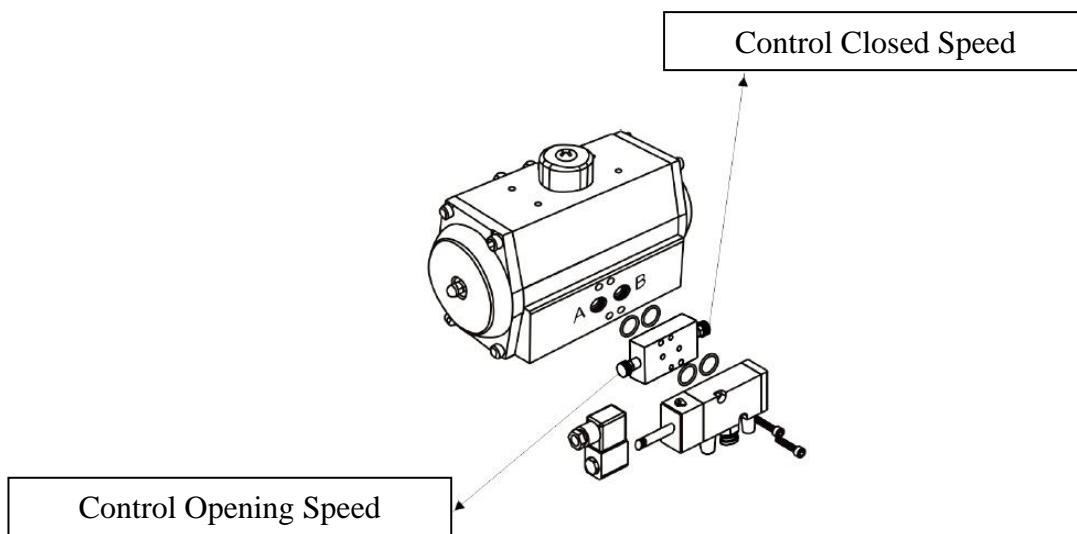
Remove any material remains of the element wrapping.
Prepare a clean working area.
Plan beforehand enough space for future maintenance operations.

It is recommended to perform this task under qualified professional surveillance.

4.2) Installation on the actuator

Design according NAMUR VDI / VDE 3845.

This Speed controller can be mounted directly to Pneumatic Actuators or used with Solenoid Valves Namur (5/2).



Verify that the o'rings are well placed on the back of the solenoid valve and speed controller and fix it to the actuator with the two screws that come in the box.

Adapter to connect the speed controller without Namur solenoid valve directly to the actuator. (P5953).



5. Operational instructions

5.1) Usage

Before starting the equipment, you have to read the Technical Specifications and never exceed the limit values.

5.2) Speed Regulation

The opening and closing speed of the actuator can be adjusted separately or simultaneously by two speed control knobs conveniently located on both ends. The orifice range can be adjusted from Ø 0 mm to Ø 3.74 mm.

Once the opening and / or closing speed is adjusted, tighten the corresponding locking nut.

6. Maintenance operations

The solenoid valve does not require maintenance.

7. Hygiene and Safety Instructions:

When operating any kind of element, you must follow the security instructions and it is recommended to use personal protection gadgets:

- 1) Protect your eyes.
- 2) Wear gloves and appropriate working clothes.
- 3) Wear safety footwear.
- 4) Wear a helmet.
- 5) Have running water at hand.