

assembly and operating instruction

series BE, E, K, PS110, PS111, PS112 and NM (NAMUR)

1 general information

- 1.1 These valves are used to control pneumatic cylinders resp. pneumatic actuators). They can only be operated with compressed air.
- 1.2 the compressed air must comply at least with the following quality class according to ISO8573-1: ISO8573-1:2010 7:4:4
- 1.3 These valves can be operated with lubricated or non lubricated air.
- 1.4 If oiled air is used it is important that lubrication is given all the time.

2 Before installation

- 2.1 Check valves for possible transport damages.
- 2.2 Compare indications of the type plate with operating data. (type, voltage, frequency, operating pressure)

3 Mechanical installation

- 3.1 During mounting it is important that no contaminations or sealants enter the valve.
- 3.2 Mounting position is optional.
- 3.3 Do neither use the thin-walled tube as lever nor bend it.
- 3.4 It is absolutely necessary that the flange face at the actuator is clean. (series NM)
- 3.5 The Namur-Valve and both flange o-rings have to be mounted with the provided M5 screws onto the actuator. (series NM)

4 Electrical installation

- 4.1 The valves have to be connected according to the relevant regulations by authorised specialists.
- 4.2 AC coils may be supplied with voltage, if the proper assembly on the valve is ensured. Otherwise the coil can be thermally destroyed by increased current consumption.
- 4.3 Before pressurisation the electrical function has to be tested.

5 maintenance

- 5.1 Before inspection of the valve, disconnect the power supply and drain the pressure out of the system.
- 5.2 Please note: There is risk of injury! The surface of the solenoid coil can warm enormously when operated continuously.
- 5.3 All inner parts have to be tested and cleaned. If necessary they have to be replaced by original parts.
- 5.4 Reassemble all parts of the solenoid valve accurately and in right order.
- 5.5 The tightness and the correct function has to be tested before starting of operation.

6 Operation in explosive areas

- 6.1 Valve bodies delivered with the solenoid system EPC as one unit are suitable for the operation in explosive areas. This unit is suitable for explosive areas of zone 1, 2, 21 and 22.
- 6.2 Valve bodies do not have an own potential ignition source. The conditions of application of these valve bodies in explosive areas result exclusively from the conditions of application of the solenoids that are approved with the EC-Type-Examination Certificate.
- 6.3 The bodies of the valves are conductive connected to the tube with the electrical part and so grounded. The solenoid coils may only be mounted on the tube using metal mounting nuts.
- 6.4 In addition, the coil has to be grounded potential-free by protective earth conductor.
- 6.5 No potentially explosive media may be piped through the valves.
- 6.6 The valve is suitable for media temperatures ranging from 0 to +25 °C. Ambient temperature can range between -10 °C and +50 °C.
- 6.7 Operating instructions of the solenoid manufacturer have to be taken into consideration. (company Amisco type 3009M)
- 6.8 A copy of the EX-approval of the solenoid is delivered with every solenoid valve or every delivery note.
- 6.9 recoding coil types

STASTO-type	manufacturer-type
EPC02400	3009MA024W3
EPC02450	3009MA024W2
EPC11050	3009MA110W2
EPC23050	3009MA230W2

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