THE VALVE SPECIALISTS
OF SCANDINAVIA

MESON

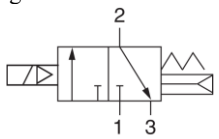
SOLENOID VALVE USER MANUAL

GENERAL PRODUCT INFORMATION

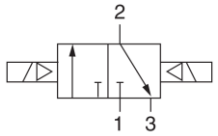
Name:	Solenoid valve, Namur
Material (Housing & Cover):	Aluminium Alloy, hard anodizing
Material (Sealing):	NBR
Working temperature:	-15°C to +80°C (special solutions may vary)
Enclosure rating:	IP65
Fluid	Air, inert gas, less than 40µm filtered and dried
Max. operating pressure	8 Bar
Min. operating pressure	2 Bar
C_V value	1,4
Pilot valve manual override	Non-locking push type (Flush)
Port size	¼ (½ or 1/8 upon request and depending on size)
Operating voltage	12/24/48VDC – 4W
	110/120/220/240VAC – 4VA (50/60Hz)
Other	ATEX, EX and intrinsically safe optional

3/2 VALVE INFORMATION

Singel Coil



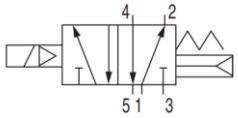
Dual Coil



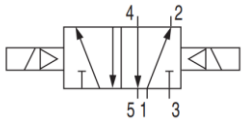
Standard is normally closed

5/2 VALVE INFORMATION

Singel Coil



Dual Coil



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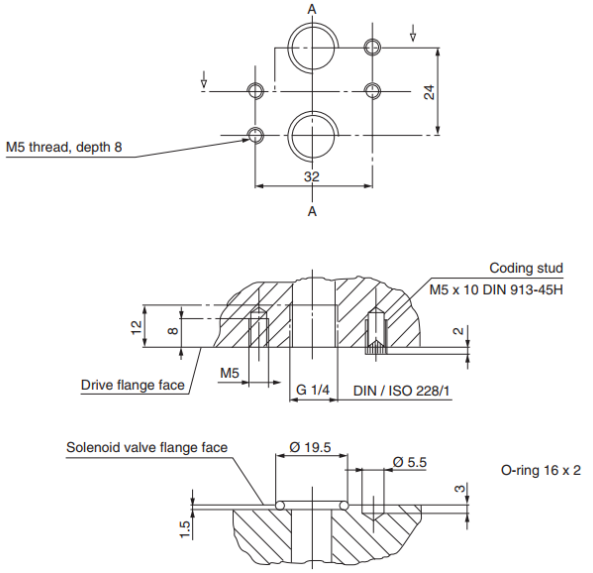
MOUNTING PATTERN



The solenoid valve can be attached with 2 mounting bolts.
The positioning of the coding stud hole is left up to the manufacturer and thus also determines the location of the coding stud.

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PIPING

1. **Preparation before piping**
   Before piping is connected, inspect thoroughly and if needed flush out with air or wash to remove chips, cutting oil and other debris from inside the pipe.
2. **Wrapping of sealant tape**
   When screwing piping or fittings into ports, ensure that chips from the pipe threads or sealing material do not enter the piping. Also, if sealant tape is used, leave 1.5 to 2 thread ridges exposed at the end of the threads.
3. **Connection of fittings**
   When attaching fittings to valves, tighten with ¼ thread size – 12-14 Nm

INSPECTION

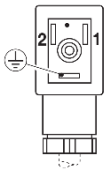
Upon receipt of the solenoid valve, the user should inspect the condition of the product and ensure that the product specification stated on the name plate matches with the order sheet.

- Remove the packing carefully.
- Inspect the product for any physical damage that may have occurred during shipment.
- Verify the product specification of the received product.
  If a wrong product has been supplied, please immediately report this to the distributing company.

STORAGE

Solenoid valves must be stored in a clean, cool and dry area. The unit should be stored with the ports covered and the conduit openings sealed. Storage must be off the floor, covered with a sealed dust protector.

WIRING



1. **Applied voltage**
   When electric power is connected to a solenoid valve, be careful to apply the proper voltage. Improper voltage may cause malfunction or coil damage.
2. **Check the connections**
   After completing wiring, verify correct connections are done prior to energizing.

OPERATING ENVIRONMENT

Caution, do not use in an atmosphere having corrosive gases, chemicals, sea water, water, water steam, or where there is direct contact with any of these.

In locations where there is contact with spatter from water, oil, solder, etc., take suitable protective measures.

Do not use in explosive atmospheres unless proper equipment is used.

Do not use in a place subject to heavy vibration and/or impact.

The valve should not be exposed to prolonged sunlight. Use a protective cover.

When the solenoid valve is mounted in a control panel or its energised for a long time, make sure ambient temperature is within the specification of the valve.

Use dry clean air, if needed install filter upstream to remove residual particles, 40µm filtered and dried air.

CONTACT INFORMATION

You may get technical and commercial support through Meson AB with head office in Sweden

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