Product Information

# Dispense valve, DN 8

## series 46.008.101



## Description

2/2-way solenoid valve of nominal diameter DN 8 for liquid dispense. This valve is direct controlled and normally closed (NC).

Valves of this design are medium separated seat valves, where the plunger is separated by a diaphragm from the medium. The valve body and outlet nozzle are a single piece moulding.

This valve can be manufactured with a variety of customised connections in DC or AC voltage. Low power or PPM triggering can be used.

Electrical operating safety is achieved by PBT coating of the coil and can be supported by an additional protection circuit.

The valve is available in different PSU valve body types and is distinguished primarily by its food grade and hot water capability.

## Applications

- hot / cold drink dispensers
- tank or boiler draining
- automatic animal feeding equipment


**A.u.K. Müller**

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Control valves
Special valves and systems

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## Characteristics

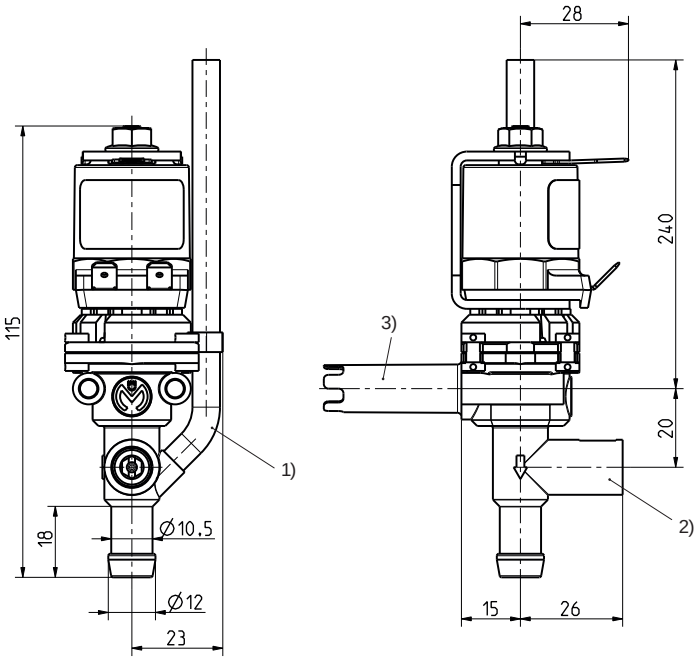
- direct controlled
- plunger separated by diaphragm from medium
- long term performance capability
- flow rate adjustable (flow regulation screw)
- suitable for food and hot water appliances
- works from zero pressure
- similar hydraulic performance for AC or DC types
- other hydraulic connections on request
- complete drainage of valve outlet after shut off
- easy to assemble and service
- coil change without opening of medium circuit, coil can be mounted 4 x 90°
- high operating safety through the use of high quality and 100% final testing of the products
- certificates: UL, NSF, WRAS



standard valve body

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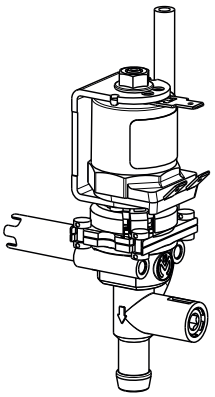



## Technical Data

| | | | |
|---|---|---|---|
| **Type** | dispense valve | | |
| **Construction** | 2/2-way single chamber valve inlet ninety degree to the outlet, direct acting | | |
| **Function** | NC (normally closed) | | |
| **Fitting position** | coil pointing upwards | | |
| **Media** | cold and heated potable water and physically and chemically similar media | | |
| **T-Medium** | 98 | °C max. | |
| **T-Ambient** | 70 | °C max. | |
| **DN** | 8 | mm | |
| **Flow** | adjustable at nozzle | | |
| **p-Operating** | 0 - 60 | mbar | |
| **Coil type** | MS.006 | | |
| **Nominal voltages** | 230<br>110<br>24<br>24 | V AC<br>V AC<br>V AC<br>V DC | 50/60 Hz<br>50/60 Hz<br>50/60 Hz |
| | other voltages on request | | |
| **Voltage tolerance** | +10% -15% | | |
| **Duty cycle** | AC 50% (cycle 1 min)<br>DC 100% | | |
| **Nominal power** | 9,5 W | 16,4 VA (AC only) | |
| **Protection type** | IP 00 | higher IP-classes on request | |
| **Coil connection** | flat tabs 6,3 x 0,8 mm (others on request) | | |
| **Insulation class** | F | according to EN 60730 | |
| **Protection class** | I | according to EN 60730 (for incorporation in class I) | |

## Materials

| | |
|---|---|
| **Valve body** | PSU |
| **Plunger guide** | stainless steel |
| **Plunger** | stainless steel |
| **Membrane** | VMQ<br>FMQ (on request) |
| **Sealings** | VMQ |
| **Coil coating** | PBT, PET or epoxy resin |



## Options

| | |
|---|---|
| 1) | Ventilation of outlet nozzle to drain downstream tubing completely. Different lengths of breather tube on request. |
| 2) | Regulation screw for vernier adjustment of flow. |
| 3) | Different inlet nozzels and boiler sealings on request |