Product Information

Dispense valve, DN 8

series 46.008.111



Description

2/2-way solenoid valve of nominal diameter DN 8 for liquid dispense. This valve is direct acting 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 seat is made of scale build up inhibiting PTFE.

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 housing 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

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Solenoid valves
Control valves
Special valves and systems

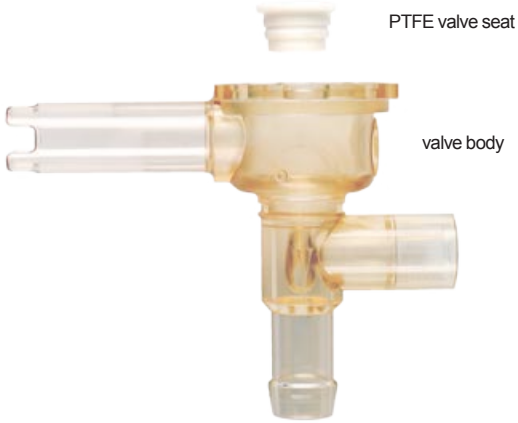
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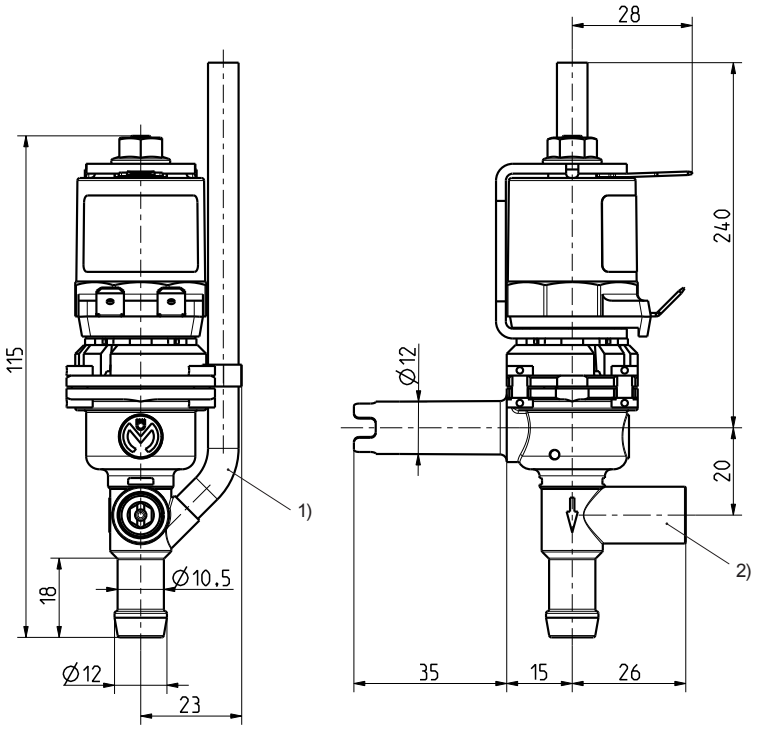
Characteristics

- direct acting
- plunger separated by diaphragm from medium
- PTFE valve seat to inhibit scale build up
- 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 by the use of high quality and 100% final testing of the products
- NSF/ANSI Standard 169
- cULus MH13874



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series 46.008.111

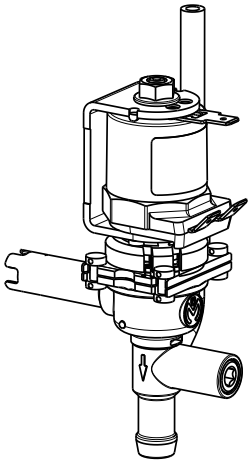


Technical Data

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 outlet nozzle	
p-Operating	0 - 60	mbar
Coil type	MS.006, MS.024, MS.025	
Nominal voltages	230 110 24 24	V AC 50/60 Hz V AC 50/60 Hz V AC 50/60 Hz V DC
	other voltages on request	
Voltage tolerance	+10% -15%	
Duty cycle	AC 50% (cycle 1 min) 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
Valve seat	PTFE
Plunger guide	stainless steel
Plunger	stainless steel
Membrane	VMQ FMQ (on request)
Sealings	VMQ
Coil coating	PBT, PET or epoxy resin



Options

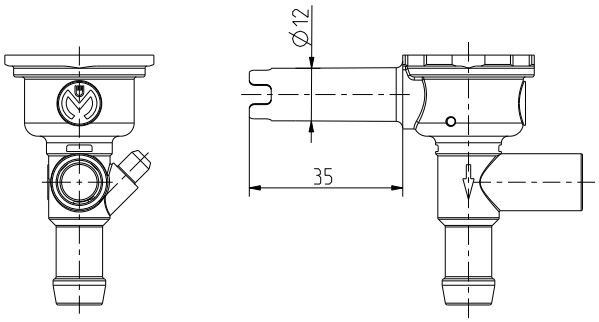
1)	Ventilation of outlet nozzle to drain downstream tubing completely. Different lengths of breather tube on request.
2)	Regulation screw for vernier adjustment of flow.

MS.006 (IP00)	
MS.024 (IP65)	
MS.025 (IP67, IP68)	

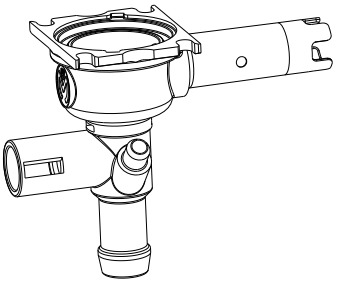
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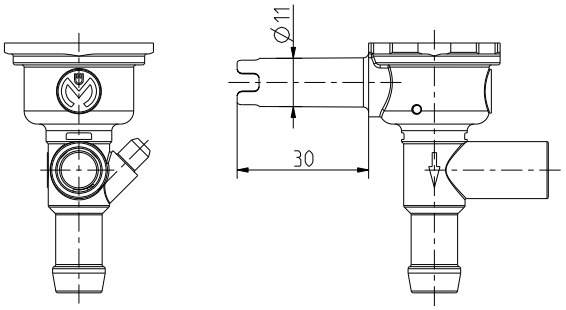
with regulating screw and ventilation of outlet nozzle

valve body version

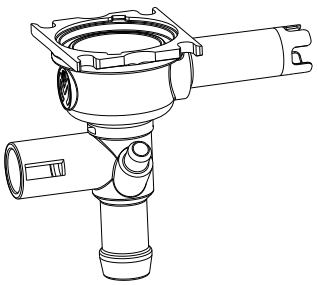


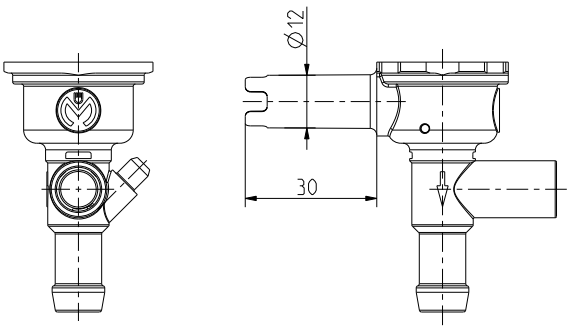
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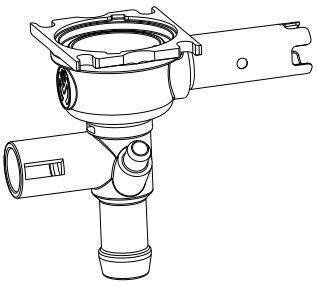


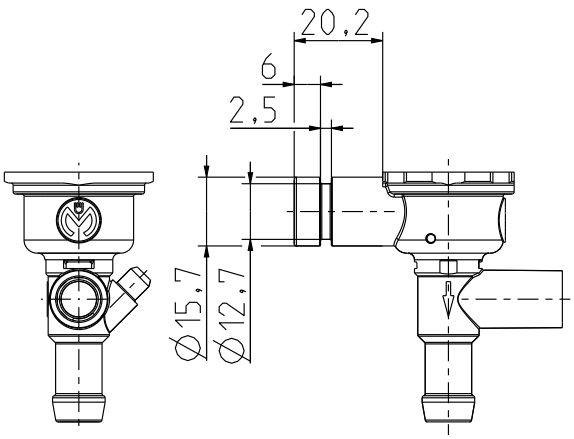
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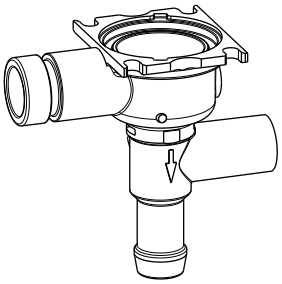


~004





~010

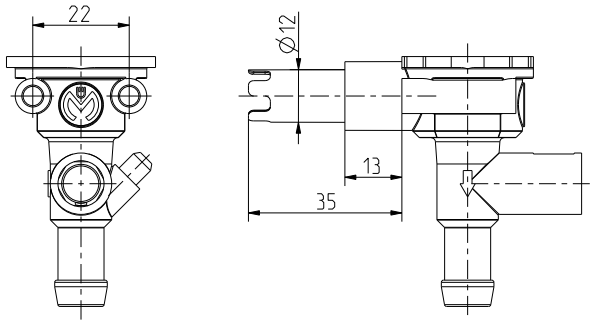


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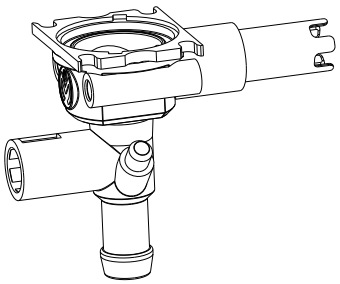
series 46.008.111

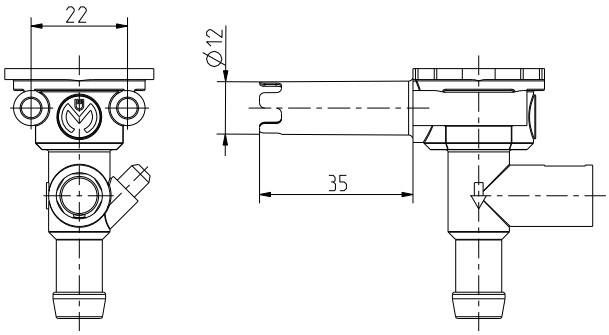
with regulating screw, ventilation of outlet nozzle and fixing posibility

valve body version

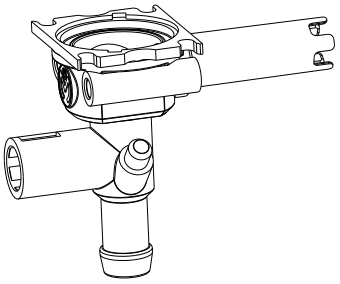


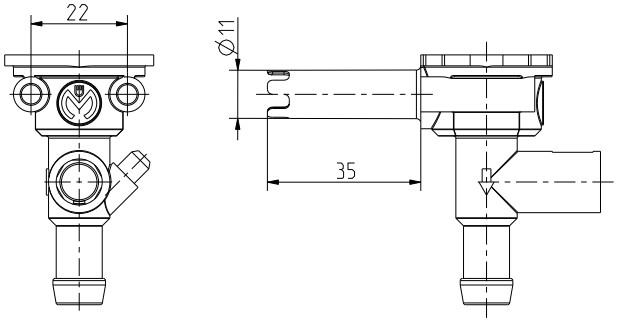
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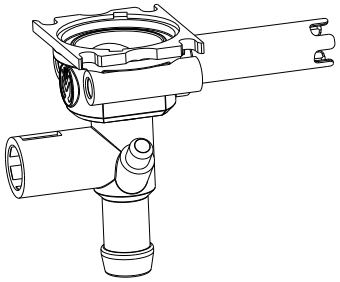


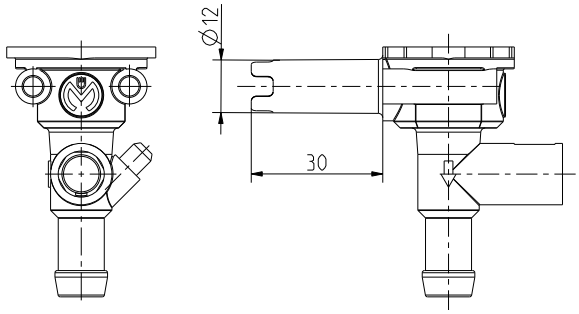
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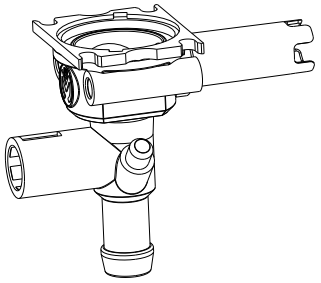


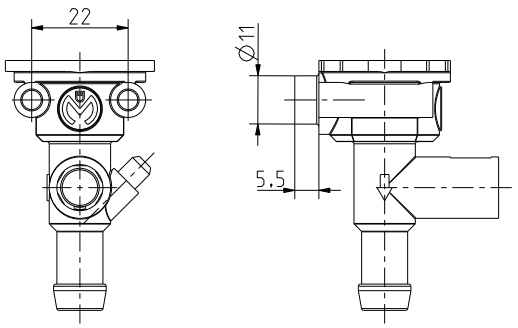
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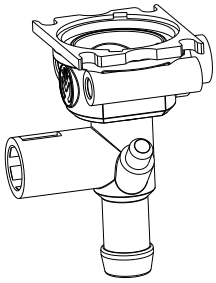


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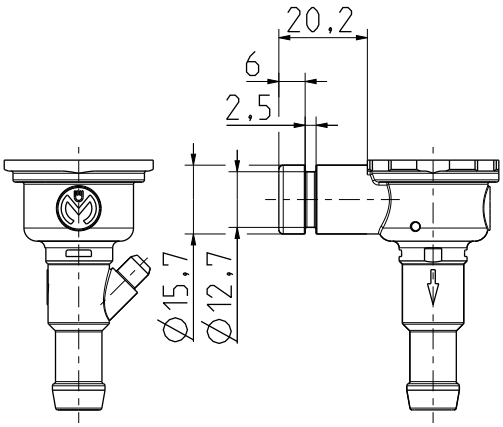
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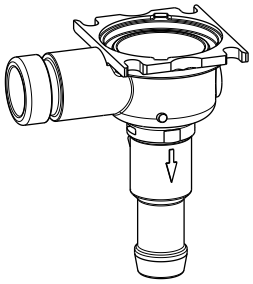
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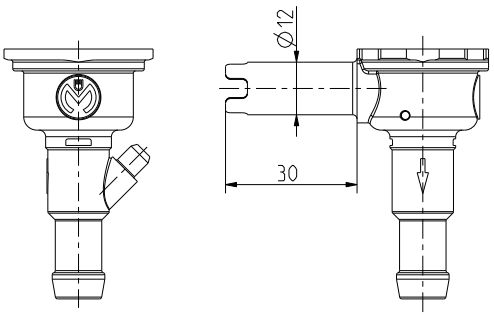
with ventilation of outlet nozzle

valve body version

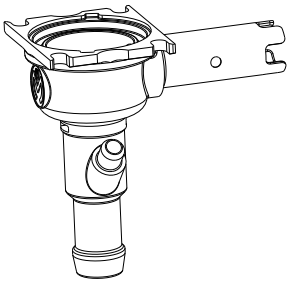


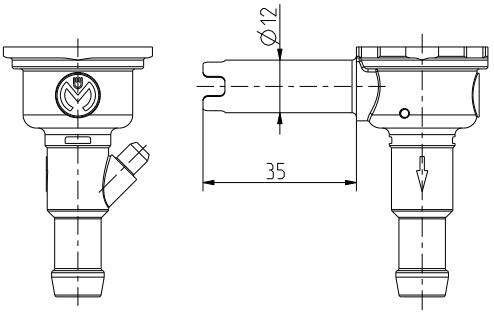
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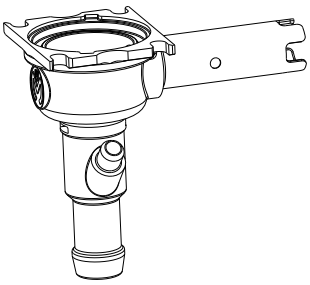


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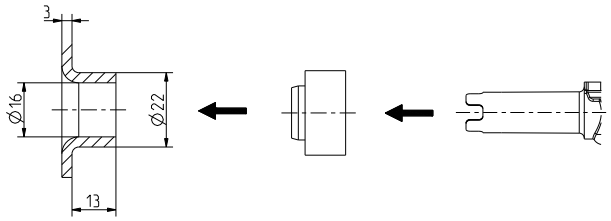
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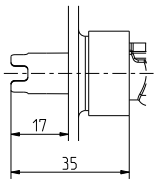


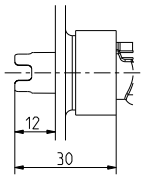
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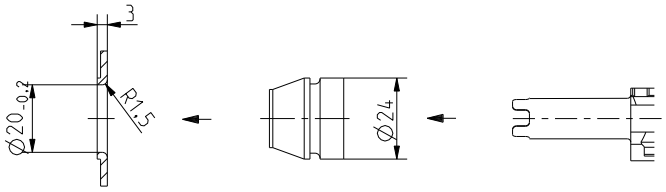
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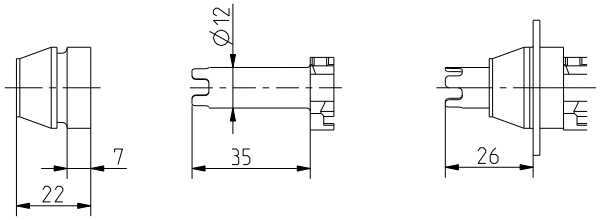


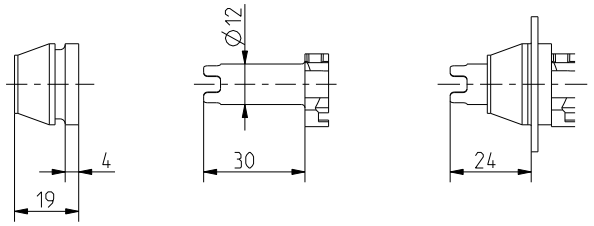




for valve body version	ID.	
~002 ~012 ~202	000849	seal for tank inlet nipples
~004 ~014 ~204		





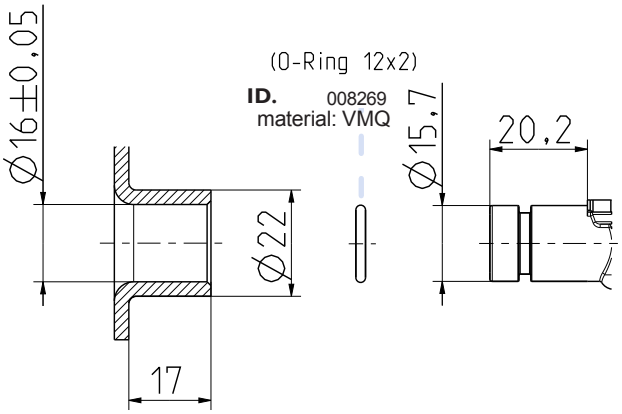


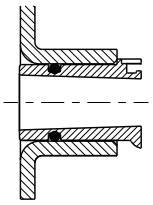
for valve body version	ID.	
~002 ~012 ~202	006722	seal for circular tank holes
~004 ~014 ~204	007822	dyed

Series 46.008.111

for valve body version

~010
~210

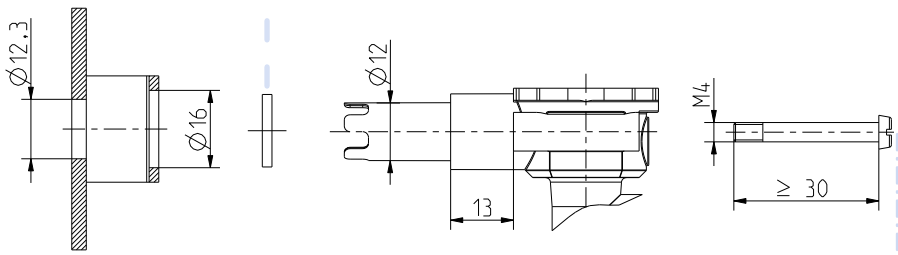


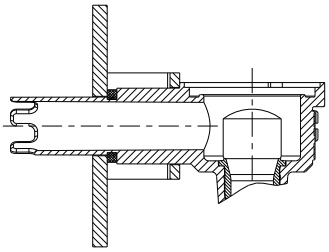


~011



ID. 003459
material: VMQ





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