Dispense valve

Series 06.003.234



A.u.K. Müller

Solenoid valves
Control valves
Special valves and systems

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Characteristics

- Compact design
- Easy to assemble and service
- Each inlet has a manual adjuster to regulate flow and bubble size
- High quality materials ensure no taste or taint of the medium
- Prevention against beverage contamination caused by undesirable build of oxidization

Possible approvals

Approved versions available on request:

- UL
- EC 1935 / 2004
- Others on request

Applications

Beverage dispensers for

- soda water (premixed with CO_2)
- aerated water O_2 (premixed with O_2)
- fruit juice of low viscosity (premixed with CO_2)

Description

Dispensers of sparkling, still or aerated water are becoming more popular and are found in hospitals, old people's homes or other public facilities.

This solenoid valve is specially designed to meet the requirements of such dispensers. Available with two separate inlets, where flow can be individually adjusted, enabling the dispense of two different drinks.

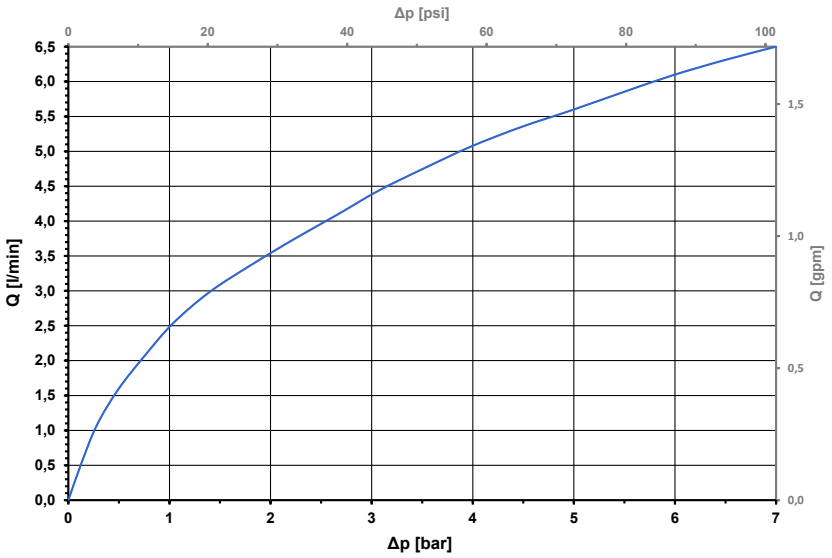
The pressure and volume flow can be adjusted via the compensator in the inlet. In the case of the release of carbonated media, the bubble size can also be influenced.

For easy assembly the inlets are equipped with 8 mm quick connectors.

The use of high quality materials for all parts in contact with the medium ensure there are no taste or taint problems.
Optionally a stainless steel outlet nozzle is available.

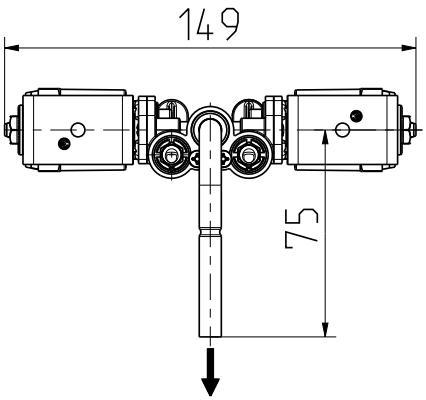
For energy saving the valve can also be operated by pulse-width modulation in dependency on the operating frequency.

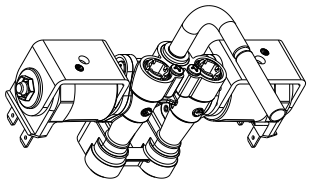
Typical performance curve
(Compensator set to maximum flow)

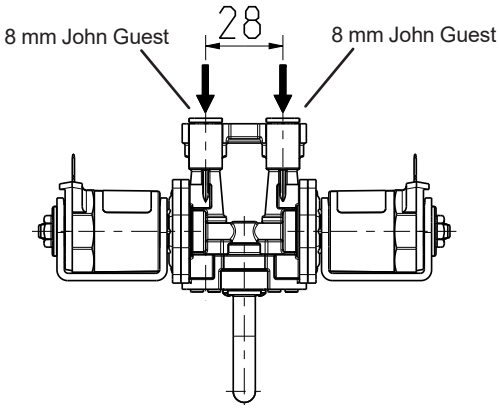


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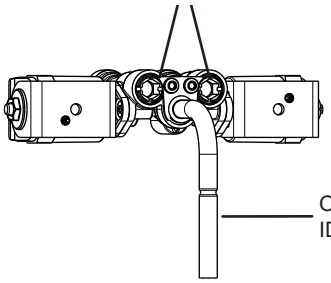
Technical Data

Type	solenoid dispense valve	
Construction	direct acting	
Function	NC (normally closed)	
Fitting Position	any	
Media	water, soda-water and juice (low viscosity)	
T-Medium	5 - 30	°C max.
T-Ambient	5 - 60	°C max.
DN	3	mm
p-Operating	0 - 7	bar
Flow Factor Kv	2,5	l/min
Flow Regulater	manually adjustable	
Coil type	MS 06	
Nominal Voltages	12 24 24 24	V DC V DC V AC 50 Hz V AC 60 Hz
	other voltages on request	
Voltage Tolerance	±10%	
Duty Cycle	100%	
Nominal Power	9,5 W	13 VA (AC only)
Protection Type	IP 00	
Coil Connections	flat tabs 6,3 x 0,8 mm	
Insulation Class	F	according to EN 60730
Protection Class	III	according to EN 60730

Materials

Valve Body	PPSU
Plunger Guide	stainless steel
Plunger and Spring	stainless steel
Short Circuit Ring	silver
Outlet Pipe	stainless steel
Membrane and Sealings	EPDM
Coil Coating	PBT, PET or epoxy resin

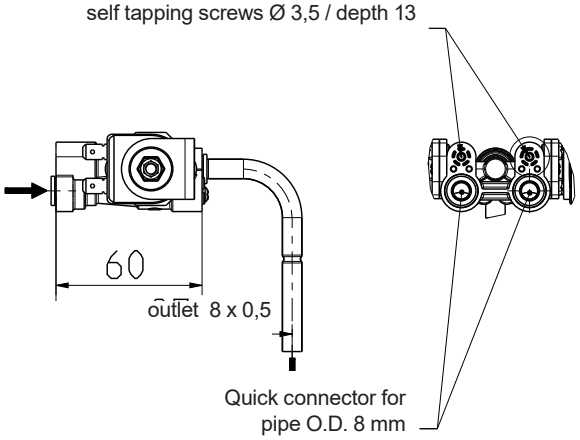
Compensators, adjustable via hexagon socket SW 8 (actuating torque max. 0.6 Nm)



Attention!
Unscrewing the compensators beyond the stop (torque over 0.8 Nm) can lead to leaks.

Optional stainless steel outlet nozzle ID 8157

retaining bore holes for self tapping screws Ø 3,5 / depth 13



Quick connector for pipe O.D. 8 mm

Options

ID	Nominal Voltage	Aerator
on request*	24 V DC	x
051924*		-
051922*	24 V 50 Hz	x
on request	12 V DC	on request
	24 V 60 Hz	

* Without stainless steel outlet nozzle, this can optionally be added.

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