

Serie 300 Solenoid Valve

Description

The 300 series solenoid valve is a device which controls the flow of water into a system, the main application is washing appliances. It is an indirect valve, operated by an electromagnetic actuator. The valve body has a threaded inlet (normally 3/4" gas) and one or more outlets suitable for the connection of rubber hoses.

The materials from which the valve is made are suitable for both hot and cold water. The plastic parts are made from glass-filled nylon to ensure high resistance to water, the internal metal parts are stainless steel and the external metal parts are zinc plated steel. All valves have a filter on the inlet.

Applications

The main application for this series of valves is on dishwashers and washing machines, both domestic and professional. Other typical applications include drinks dispensers, medical equipment and any appliance which uses water.

Mounting

The valves can be mounted onto the appliance in a variety of ways, for example:

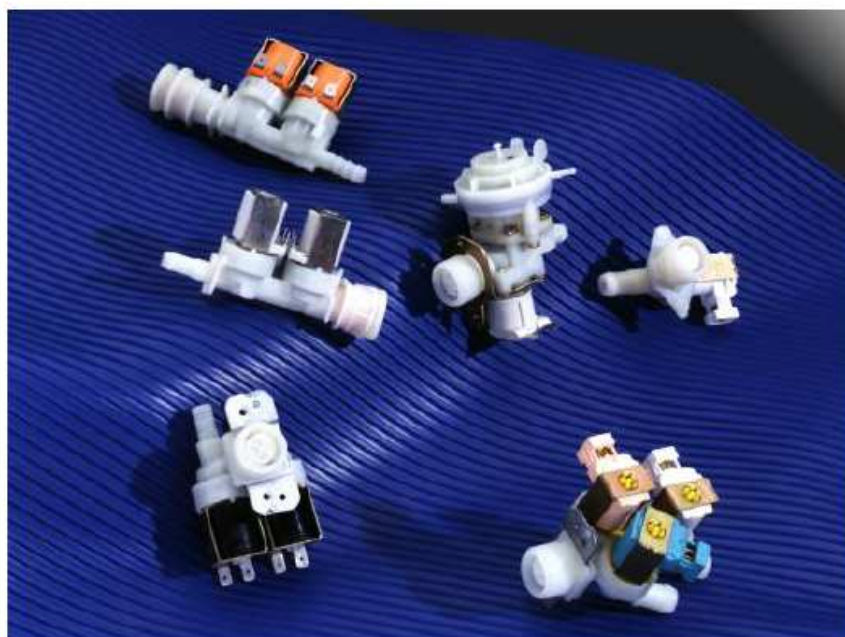
- self-tapping screws
- metric screws
- quick fit using square flange
- snap-in and rotate.

Details and dimensions are shown on the next page, together with the dimensions of the outlet spouts.

Technical Data

Operat. press. range 0,2-10 bar
(0,02-1 MPa)
Burst pressure >80 bar (8 MPa)
Leakage pressure >20 bar (2 MPa)
Water hammer <2 bar (0,2 MPa)
EN 50084

LIFE UNDER EXTREME CONDITIONS
(10 bar - 60°C amb. T. -90° water temp.)
>50.000 cycles
3" on/ 3" off



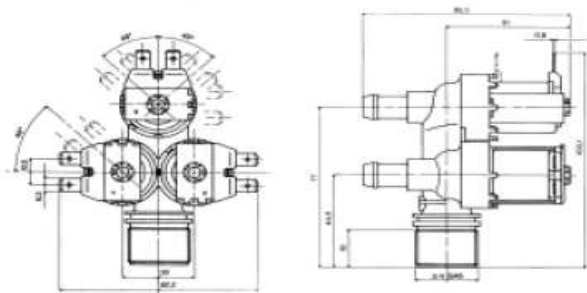
LIFE UNDER NORMAL CONDITIONS
(5 bar-60°C amb. T. -70°C water temp.)
>200.000 cycles
3" on/ 3" off
(5 bar-60°C amb. T. -25°C water temp.)
>500.000 cycles
3" on/ 3" off

Compliance with EN 60730-1, EN 60730-2-8
and approvals: IMQ, VDE, UTE, SEMKO,
DEMKO, NEMKO, FEMKO, KEMA KEUR,
ASE/SEV, BEAB, ÖVE.

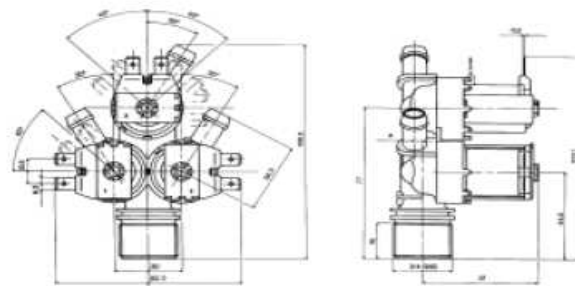
VOLT (Volts)	FREQUENCY (Hz)	WORK'S CONDITIONS		
220/240	50/60	Tm25°C 100%ED	Tm90°C3min/5min	
220/240	50/60	Tm25°C 100%ED	Tm90°C3min/5min	
200	50/60	Tm25°C 100%ED	Tm90°C3min/5min	
100	50/60	Tm25°C 100%ED	Tm90°C3min/5min	
110/120	50/60	Tm25°C 100%ED	Tm90°C3min/5min	
380	50/60	Tm25°C 100%ED	Tm90°C3min/5min	
24	50/60	Tm25°C 100%ED	Tm90°C3min/5min	
24	DC	Tm25°C6min/4min	Tm60°C4min/4min	Tm90°4min/8min
12	DC	Tm25°C6min/4min	Tm60°C4min/4min	Tm90°4min/8min
12	50/60	Tm25°C100%ED	Tm90°C3min/5min	

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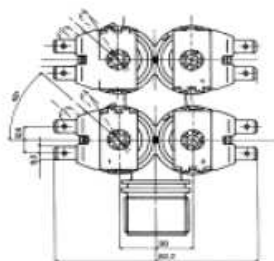
Type 359: one inlet, three outlet 90°



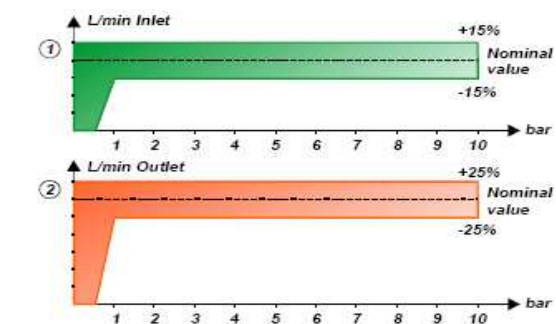
Type 369: one inlet, three outlet 180°



Type 389: one inlet, four outlet 180°



Flow Restrictors



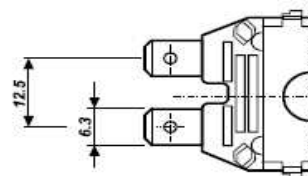
Available restrictors (nominal flow L/min)

① 4	12	② 0,25	1,2
5		0,35	2
5,5	14	0,5	2,5
6,7		0,6	5,5
8	16		
19	20		

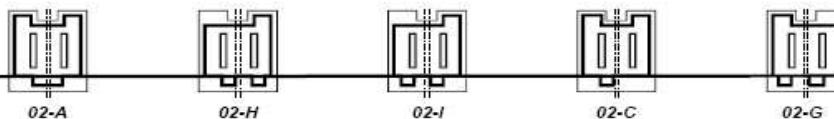
Others values and tolerances can be evaluated by Elbi International.

Electrical Connections

STANDARD 6,3 x 0,8 mm TAB



RAST 5



RAST 2,5

