DS51

OEM
Piston Type Flow Switch
for Low-Flow Applications

- **for low-viscosity liquids**
- **low-cost model**
- **factory-set switchpoint settable between 0,1 and 2,5 l/min**
- **small dimensions**
- **housing made of brass, nickel plated brass or stainless steel, piston made of POM**
- **available for any mounting position**
- **P_{max}: 25 bar, T_{max}: 100 °C**

Description:

The flow monitors of the DS51 type series are characterised by their robust and trouble-free design.
A piston with integrated permanent magnet is moved by the flowing medium against a stainless steel spring in the direction of flow and thus switches a reed contact attached to the housing. The contact is closed at flow and opens when the flow drops below the set value.

Typical applications:

The flow monitors DS51 are mainly used where flows of low-viscosity media have to be monitored at low cost.
These are for example
– cooling circuits
– heating systems
– welding machines
– laser cooling systems

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Models:

DS51.M…: housing brass
DS51.MN…: housing brass, nickel-plated
DS51.E…: housing stainless steel
DS51.S...: special housing

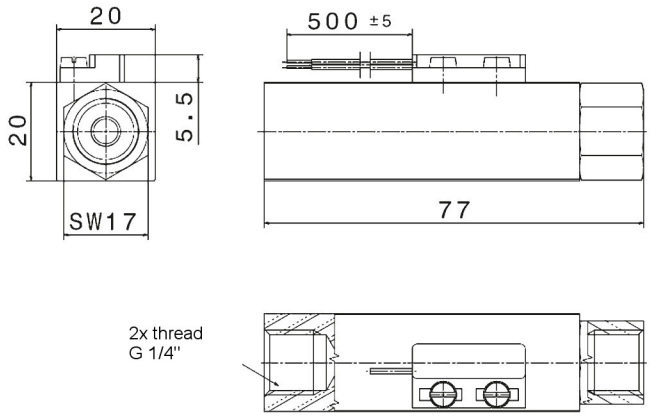
Switching Point:

factory set, between
0,1 to 2,5 l/min water
rising or falling flow rate

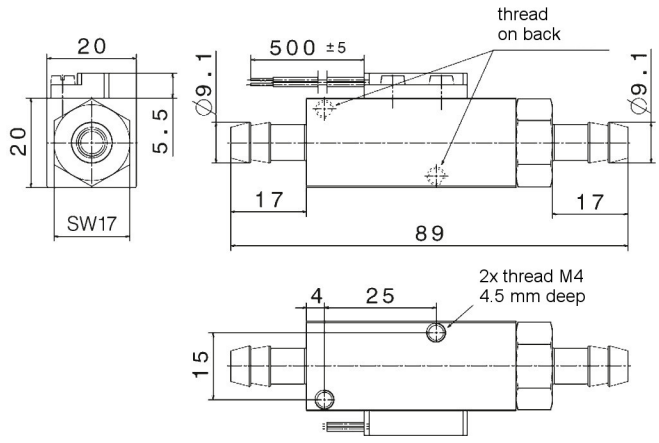
other material versions, process connections and switching points on request

Dimensions:

DS51.- GG08... (G1/4 female thread bilateral)



DS51.- SS08... (hose fitting 8 mm bilateral)



Order Code:

Order number:	DS51.	M.	GG08.	F0,5.	0

OEM Piston-type flow switch

Models:
M = housing brass, piston POM
MN = housing brass, nickel-plated, piston POM
E = housing stainless steel, piston POM
S = special version

Process connection:
GG08 = G 1/4 female bilateral
GS08 = input G ¼ female, output hose connection, 8 mm
SG08 = input hose connection, 8 mm, output G ¼ female
SS08 = input hose connection, 8 mm, output hose connection, 8 mm
S = special connection

Switching point (xx = 0,1…2,5 l/min, please specify):
Fxx = for falling flow
Sxx = for rising flow

Options:
0 = without
9 = please specify in plain text

Minimum purchase quantity: 10 units

Special versions with higher switching points, lower pressure loss or other connections on request.

Technical Data:

Material:
housing: brass, nickel plated brass or stainless steel
piston: POM
spring: stainless steel 1.4401
magnet: hard ferrite OX300

Pressure loss: 1 bar at 2,5 l/min

Max. pressure: 25 bar

Max. medium-temperature: 100 °C

Switch point: 0,1…2,5 l/min water

Mounting position: any

Contact: reed contact, N/O, casting, 200 VDC / 1 A / 15 W

Electrical connection: 2-wire strand, 50 cm

Accuracy: ± 2 % of switching point

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