

Pipeline Ancillaries SW 6.14

Flow Switches

Flow Switch for Installation in Pipelines



Technical Data

Connection G	1/2 - 1 1/2
Nominal Pressure PN	16
Temperature	80 °C
Medium	liquids

Description

Flow switch for horizontal installation featuring a vane as sensor element. The flow moves a pivoted vane fitted with a permanent magnet which operates a reed switch and an external pointer through a non-magnetic pressure-proof panel.

SW 6.14 is manufactured from deep-drawn stainless steel featuring excellent corrosion resistance and is therefore especially suitable for all laboratory and food industry applications as well as corrosive fluids used in the chemical industry.

The flow volume can be estimated by means of an external pointer and scale with 10 divisions.

Top and bottom sections of the valve body are connected by a clamp ring and two bolts. Servicing/maintenance is easy and does not call for special tooling.

Standard

- » all stainless steel construction
- » quick-release body clamp ring
- » external pointer
- » acrylic glass with 10-division scale
- » reed switch with 1 m cable tail

Options

- » various seal materials suitable for your medium
- » special connections:
Aseptic, ANSI or DIN flanges,
welding spigots; other connections
on request
- » special versions on request

Operating instructions, know how and safety instructions must be observed. All the pressure has always been indicated as overpressure. We reserve the right to alter technical specifications without notice.



Switching Rate for Water m³/h (horizontally installation)

G	flow rate		design
	increasing	decreasing	
1/2	0.6	0.3	without resetting spring with wightloaded, hanging flapper
3/4	0.8	0.5	
1	0.8	0.5	with resetting spring
1 1/4	3	2	
1 1/2	3	2	

Switching Tube

magnetic switch DRU with 1 m cable tail

max. Electric Data

V	A	VA~	W-
250	1	40	40

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Materials

Body	CrNiMo-steel
Seal	EPDM
Glass	acrylic-glass
Internals	CrNiMo-steel
Profile Clamp	CrNiMo-steel

Dimensions [mm]

size	nominal diameter G				
	1/2	3/4	1	1 1/4	1 1/2
A	100	105	140	192	190
B	50	50	50	50	50
C	100	100	100	100	100
D	ø 140	ø 140	ø 140	ø 140	ø 140

Weights [kg]

nominal diameter G					
1/2	3/4	1	1 1/4	1 1/2	
0.95	0.95	0.95	1.2	1.2	

Special designs on request.

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Mankenberg reserves the right to alter or improve the designs or specifications of the products described herein without notice.

Dimensional Drawing

