

Flow switches // VH780

For insertion installation



Highlights

- Universal flow switches for DN 32...200
- Adjustable for pipe size and setpoint by paddle size selection
- High switching currents → Microswitch is used as switching element

Technical data

Switching function	Change over contact
Pressure rating	
→ Brass version	Max. 11 bar
→ Stainless steel version	Max. 30 bar
Temperature ranges	
Medium	-40...120 °C
Ambient	-40...85 °C (10...90 % rH)
Storage and Transportation	-40...85 °C, < 95 % rH
Electrical data	
Change over contact	250 VAC, 15 A,
max. contact rating	8 A inductive load
Degree of protection EN 60529	IP65
Protection class EN 60730-1	Class I

Setpoint ranges

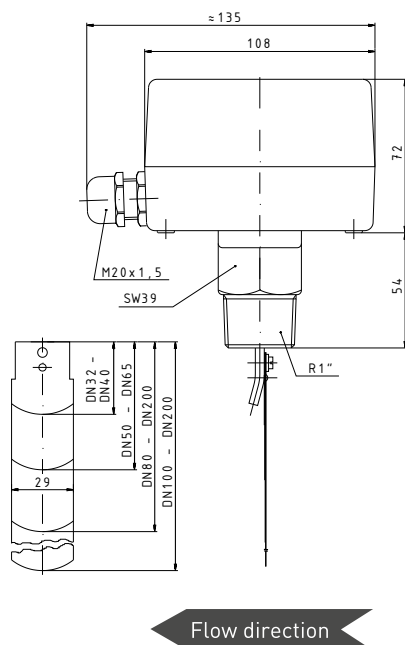
Nominal diameter	Paddle to select**	Setpoint ranges [m³/h]*				Max. flow rate [m³/h]
		Standard Setpoint		Low Setpoint		
		Increasing flow ON	Decreasing flow OFF	Increasing flow ON	Decreasing flow OFF	
DN 32	29 x 34 mm	1.3...3.0	0.8...2.8	0.9...1.6	0.25...1.4	3.6
DN 40	29 x 34 mm	1.7...4.0	1.1...3.7	1.2...2.2	0.5...1.6	4.8
DN 50	29 x 60 mm	3.1...6.1	2.2...5.7	2.3...4.1	0.9...3.6	7.3
DN 65	29 x 60 mm	4.0...7.0	2.7...6.5	3.1...5.5	1.2...4.9	8.4
DN 80	29 x 89 mm	6.2...11.4	4.3...10.7	4.9...8.2	2.1...7.4	13.7
DN 100	29 x 167 mm***1	8.0...18.4	6.1...17.3	7.7...13.0	3.3...11.6	22.1
DN 125	29 x 167 mm***2	12.9...26.8	9.3...25.2	11.5...19.6	5.0...17.5	32.2
DN 150	29 x 167 mm***3	16.8...32.7	12.3...30.6	14.1...23.9	6.1...21.4	39.2
DN 200	29 x 167 mm	46.5...94.2	38.6...90.8	36.5...61.8	21.7...55.3	113

* Water, 20 °C, horizontal pipe, tolerance ±15 %

** Higher setpoints selectable by use of smaller paddle sizes

***1 shortened to 29 x 91 mm, ***2 shortened to 29 x 117 mm, ***3 shortened to 29 x 144 mm

Technical drawing // Materials



Materials in contact with fluid		
	Brass version	Stainless steel version
Body	Brass CW617N	Stainless steel 1.4404
Paddle	Stainless steel 1.4404	
Lever	Brass CW617N	Stainless steel 1.4404
Teeth lock washer	Stainless steel 1.4301	
Fastening screw	Stainless steel 1.4301	
Bellow	Bronze CW453	Stainless steel 1.4404

Article numbers

Order code			
Type			
VH780		VH780J4	
Material			
Brass		1	
Stainless steel		3	
Setpoint			
Standard			1LS10110
Low			2LS10110
Example order number		VH780J4	1 1LS10110

BEST SELLER				
Type			Order number	
VH780	Material: Brass, Setpoint: Standard		VH780J4	1 1LS10110