

Flow monitors for insertion installation

Paddles interchangeable



Type VH780

Technical data	
Switching function	Change over contact
Pressure rating	Max. 11 bar (brass) Max. 20 bar (stainless steel)
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 max. contact rating	250 VAC, max. 15 A, 8 A inductive load
Degree of protection EN 60529	IP65
Protection class EN 60730-1	Class I

Benefits

- Insertion installation into existing pipes
- One unit covers a wide range of pipe sizes (DN 32...200)
- Two versions (set point ranges)
- Adjustable set point
- Micro switch for high contact rating

Setpoint ranges, dimensions, order code

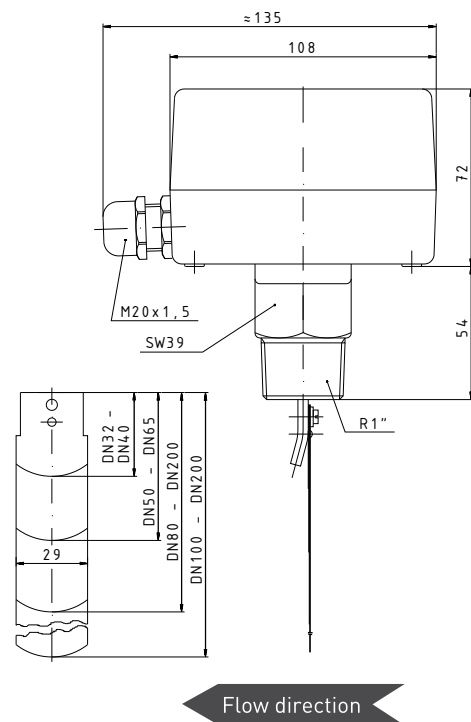
Nominal diameter	Paddle to select**	Setpoint ranges [m³/h]*				Max. flow rate [m³/h]
		Standard Setpoint		Low Setpoint		
		Increasing flow ON	Decreasing flow OFF	Increasing flow ON	Decreasing flow OFF	
DN 32	29 x 34 mm	1.3...3.0	0.8...2.8	0.9...1.6	0.25...1.4	3.6
DN 40	29 x 34 mm	1.7...4.0	1.1...3.7	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.

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

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



Order example	VH780J4	1	1LS10110
Type			
VH780	VH780J4		
Material			
Brass		1	
Stainless steel		3	
Setpoint			
Standard			1LS10110
Low			2LS10110