

Flow switches // VH0

With pipe tee



Highlights

- High switching currents → Microswitch is used as switching element
- For direct switching of devices, without relay or controller
- Brass tee DN 10...50

Technical data	
Switching function	Changeover contact
Switching hysteresis	10...30 %
Pressure rating	PN 25
Temperature ranges	
Medium	-20...110 °C
Ambient	-20...70 °C
Electrical data	
Electrical connection	Plug connector DIN EN 175301-803-A incl. cable socket
Switching current	Max. 5 A
Switching voltage	Max. 250 VAC
Rating	Max. 1250 VA
Degree of protection EN 60529	IP65
Protection class EN 60730-1	Class II

Options	
For type	On request
VH0	→ Insertion installation using soldering adapter

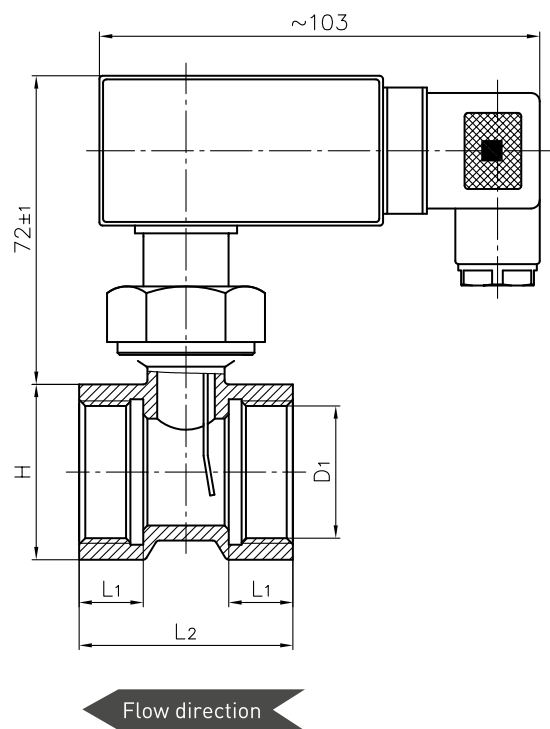
Setpoint ranges // Dimensions // Materials

Nominal diameter	Thread connection	Setpoint range [l/min]* Decreasing flow OFF	Max. flow rate [l/min]
DN 10	G $\frac{3}{8}$	4,0...5,0	10
DN 15	G $\frac{1}{2}$	5,0...6,0	20
DN 15	G $\frac{1}{2}$ male	4,0...5,0	10
DN 15	G $\frac{3}{4}$ male	4,0...5,0	10
DN 20	G $\frac{3}{4}$	8,0...10,0	40
DN 25	G 1	17,0...20,0	60
DN 32	G 1 $\frac{1}{4}$	24,0...28,0	80
DN 40	G 1 $\frac{1}{2}$	43,0...50,0	100
DN 50	G 2	69,0...83,0	150

* Water, 20 °C, horizontal pipe, tolerance $\pm 15\%$

Dimensions [mm]			
Thread connection D ₁	L ₁	L ₂	H
G $\frac{3}{8}$	11	50	27
G $\frac{1}{2}$	11	50	27
G $\frac{1}{2}$ (male)	10	60	
G $\frac{3}{4}$ (male)	11	50	
G $\frac{3}{4}$	15	50	32
G 1	15	50	41
G 1 $\frac{1}{4}$	15	50	48
G 1 $\frac{1}{2}$	15	50	55
G 2	22	64	70

Materials in contact with fluid	
Body	Brass CW614N, nickel-plated
Pipe tee	Brass CW617N
Paddle	Stainless steel 1.4310, 1.4301
Magnet	Hard ferrite
O-ring	NBR



Article numbers

Order code		
Nominal diameter	Thread connection	Order number
DN 10	G $\frac{3}{8}$	VH010F0747NI21
DN 15	G $\frac{1}{2}$	VH015F0747NI31
DN 15	G $\frac{1}{2}$ male	VH015F0747NA31
DN 15	G $\frac{3}{4}$ male	VH015F0747NA41
DN 20	G $\frac{3}{4}$	VH020F0747NI41
DN 25	G 1	VH025F0747NI51
DN 32	G 1 $\frac{1}{4}$	VH032F0747NI61
DN 40	G 1 $\frac{1}{2}$	VH040F0747NI71
DN 50	G 2	VH050F0747NI81