





Your advantages

Series	VHS / VH3
	<ul style="list-style-type: none"> • Standard flow switches • Direct installation into pipe lines DN 50...150 • Threaded adapters for tees and direct insertion into pipes • Alternatively soldering adapter or welding adapter

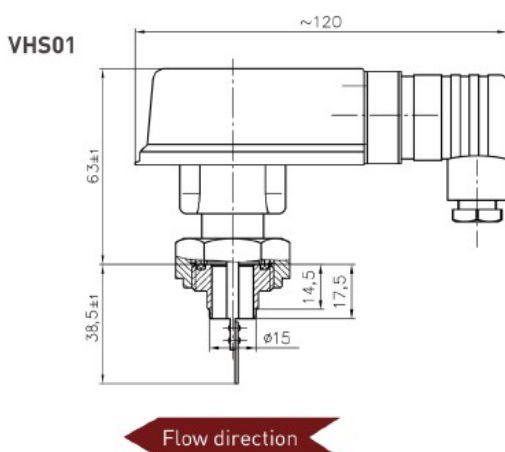
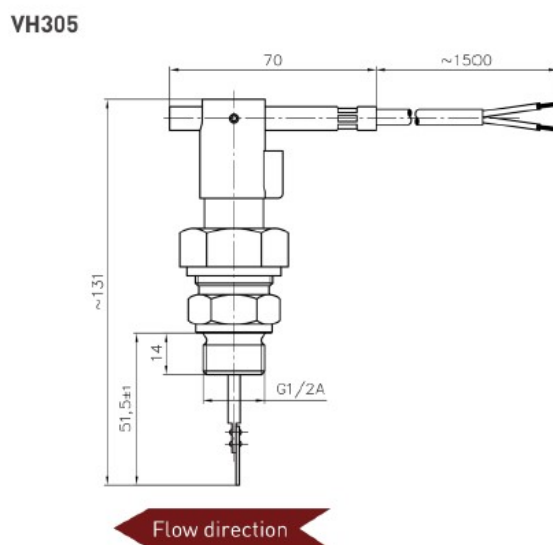
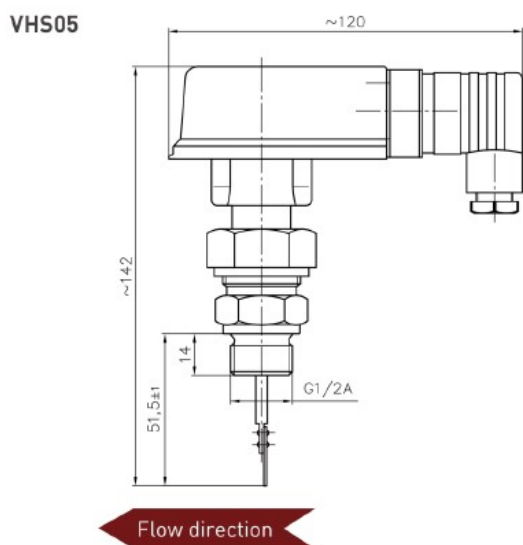
Technical data	
Switching function	Contact → closes at increasing flow → opens at decreasing flow Reversing possible
Pressure rating	PN 25
Temperature ranges	
Medium	-25...110 °C
Ambient	-25...80 °C
Electrical data	
Electrical connection	Plug connector DIN EN 175301-803-A incl. cable socket
→ VHS	1.5 m PVC jacket cable
→ VH3	
Max. switching current	1 A
Max. switching voltage	230 VAC, 48 VDC
Max. rating	26 VA, 20 W
Degree of protection EN 60529	IP65
Protection class EN 60730-1	Class II
Approvals	
 	

Options	
For type	See order code
VHS	→ Plug connector DIN EN 175301-803-A incl. cable socket with two LED for switching voltages 24 V...230 V AC/DC ±20 %, ambient temperature -20...70 °C → or 4-pin-sensor plug M12 x 1
VHS / VH3	→ For use in potentially explosive atmospheres (version VH...X) max. medium temperature 100 °C

Type	Process connection	Insert in Nominal diameter	Setpoint ranges [m ³ /h]*		Max. flow rate [m ³ /h]
			Increasing flow ON	Decreasing flow OFF	
VH305 / VHS05	Threaded adapter G½**	DN 50	1.9...2.7	1.8...2.6	30
		DN 80	5.0...8.0	4.9...7.9	80
		DN 100	8.3...12.5	8.2...12.4	150
		DN 150	17.5...25.0	17.4...24.9	200
VHS01	Soldering adapter / welding adapter	DN 50	3.8...4.9	3.7...4.8	30
		DN 80	9.0...14.3	8.9...14.2	100
		DN 100	13.0...18.8	12.7...18.4	150
		DN 150	33.0...46.0	32.9...45.9	200

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

** Installation into welded socket according to EN 10241, G½ female, length 15 mm



Materials in contact with fluid		
	Brass version	Stainless steel version
Body, Paddle	CW614N	1.4571
Process connection	VHS05: CW614N VH305: CW614N VHS01: CW617N	1.4571
Bushing	PPE+PS Noryl™ 30 % glass fibre reinforced	PVDF
Rivet	CW508L	1.4303
Pin	1.4571	
Magnet	Hard ferrite	
O-ring	NBR	

Order code									
Type									
VHS									
Plug connector incl. cable socket (Standard)		VHS		17					
Plug connector incl. cable socket with LED (option)		VHS		19					
4-pin-sensor plug M12 x 1 (option)		VHS		18					
Process connection									
Threaded Adapter G½		05M0				R2			
Soldering adapter (brass) or welding adapter (stainless steel)		01M0				D1			
Material									
Brass			1		1			1	
Stainless steel			3		3			3	
Version									
Standard									[]*
For use in potentially explosive atmospheres (option)**									X
Example order number		VHS	05M0	1	17	1	R2	1	

* No character

** Only available with plug connector incl. cable socket

**BEST
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Typ	Artikelnummer
VHS05 Plug connector incl. cable socket, threaded Adapter G½, brass	VHS 05M0 1 17 1 R2 1

Order code									
Type									
VH3									
1.5 m PVC jacket cable		VH305M0		11		R2			
1.5 m PVC blue jacket cable (only for option „for use in potentially explosive atmospheres“)		VH305M0		13		R2			
Material									
Brass			1		1			1	
Stainless steel			3		3			3	
Version									
Standard									[]*
For use in potentially explosive atmospheres (option)**									X
Example order number		VH305M0	1	11	1	R2	1		

* No character

** Only available with blue jacket cable

Order code		
Accessories	Order number	
 <p>Welding socket according to EN 10241 G½ female thread, length 15 mm Steel S 235 JR</p>	XVH1470	