

Product Information

CRG-025HM/K

Flow Switch CRG

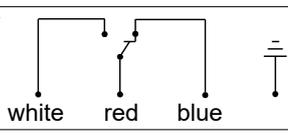


- Can be used from nominal width DN 25..200
- Suitable for media with ferritic particles.

Characteristics

The devices function via the principle of a paddle supported by a metal bellows, and the triggering of a micro switch.

Technical data

Switch	micro switch	
Nominal width	DN 25..200	
Process connection	male thread R 1"	
Switching range	0.2...165.7 m³/h	for details see table "Ranges"
Q_{max.}	up to 240 m³/h	
Tolerance	±15 % of full scale value	
Pressure resistance	PN 11	
Medium temperature	-20...+120 °C	
Ambient temperature	-20...+85 °C	
Media	water (oils and aggressive media available on request)	
Wiring	changeover no. 0.374 	
Switching voltage	250 V AC	
Switching current	15(8) A	
Protection class	1 - PE connection	
Ingress protection	IP 65	
Electrical connection	cable screw gland M20x1.5	
Materials medium-contact	Brass construction: CW614N, 1.4571, Tombak	Stainless steel construction: 1.4571
Non-medium-contact materials	ABS, PC transparent	
Weight	Brass construction: 0.95 kg	Stainless steel construction: 1.1 kg

Installation location	Standard: horizontal inwards flow; switching unit not recommended underneath; other installation positions are possible; the installation position affects the switching point and range.
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Ranges

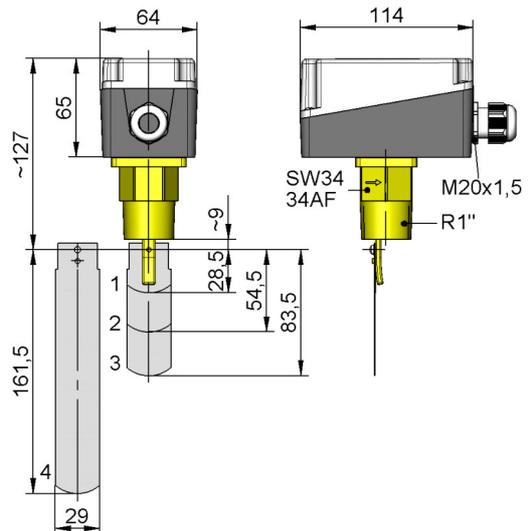
Details in the table correspond to horizontal inwards flow with decreasing flow rate.

● = Standard ○ = Option for reduced switching range

DN	Switching range m³/h H ₂ O				Q _{max.} recommended
	Paddle 1	Paddle 1,2*	Paddle 1,2,3*	Paddle 1,2,3,4*	
25	○ 0.20 - 1.0				3.6
	● 0.60 - 2.0				
32	○ 0.25 - 1.4				6.0
	● 0.80 - 2.8				
40	○ 0.50 - 1.6				9.0
	● 1.10 - 3.7				
50	○				15.0
	●				
65	○				24.0
	●				
80	○				36.0
	●				
100	○				60.0
	●				
125	○				90.0
	●				
150	○				120.0
	●				
200	○				240.0
	●				

*must be used together

Dimensions



Adapt paddle 1 for DN 25.
From DN 100, adapt paddle 4:
DN 100 Paddle length 92
DN 125 Paddle length 117
DN 150 Paddle length 143

From DN 175 unshortened

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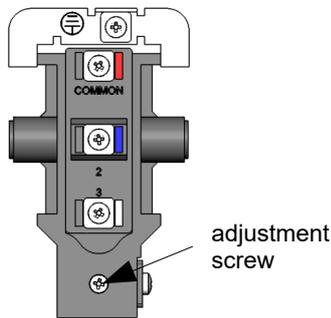
Handling and operation

Note

- Attention! Paddle fixing unsecured. For critical conditions (e.g. vibration), fit a bolted fixing.
- Include straight calming section of 10 x DN in inlet and outlet
- If the media are dirty, install a filter.
- It must be ensured that the values given for voltage, current, and power are not exceeded.
- When switched on, a load must be connected in series.
- The electrical details apply to ohmic loads. Capacitive and inductive loads must be operated using a protective circuit.

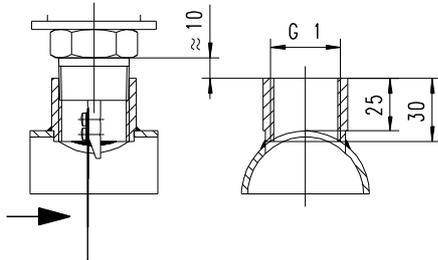
Loosen adjustment

Screws, and remove hood; set the desired switching value using the adjustment screw, and refasten the hood.



Installation recommendation

Use a tube with standard wall thickness as per DIN 2448



Ordering code

CRG -

1.	2.	3.	4.
025H		S	

○=Option

1. Process connection	
025H	threaded connection DN 25 - R 1 "
2. Connection material	
M	brass
K	stainless steel
3. Cable screw gland	
S	to the side
4. Switching range	
R	<input type="radio"/> reduced

Options

- Switching ranges for oil
- Special values

Ordering information

- Specify direction of flow, medium, and switching range.
- For oils, state viscosity, temperature and designation (e.g. ISO VG 68) (enquire about range).