

# PÁDLOVÝ HLÍDAČ PRŮTOKU CRG

## Flow Switch CRG

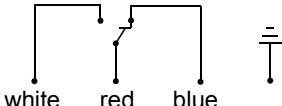


- Can be used from nominal width DN 25..200
- Suitable for media with ferritic particles.

## Characteristics

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

## Technical data

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

<b>Installation location</b>	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

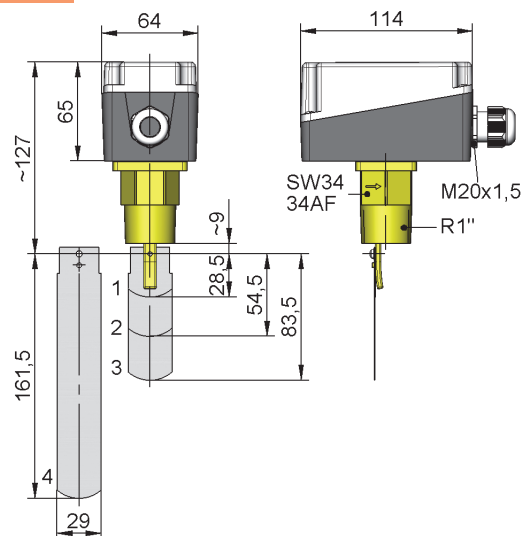
Details in the table correspond to horizontal inwards flow with decreasing flow rate.

● = Standard ○ = Option for reduced switching range

DN		Switching range m³/h H₂O				Q <sub>max.</sub> recom- men- ded		
		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	○					0.9 - 3.6		15.0
	●					2.2 - 5.7		
65	○					1.2 - 4.9		24.0
	●					2.7 - 6.5		
80	○			2.1 - 7.4		36.0		
	●			4.3 - 10.7				
100	○			4.9 - 17.1		3.3 - 11.6		60.0
	●			11.4 - 27.7		6.1 - 17.3		
125	○			9.7 - 34.0		5.0 - 17.5		90.0
	●			22.9 - 53.3		9.3 - 25.2		
150	○	13.6 - 47.6		6.1 - 21.4		120.0		
	●	35.9 - 81.7		12.3 - 30.6				
200	○	25.7 - 90.1		21.7 - 55.3		240.0		
	●	72.6 - 165.7		38.6 - 90.8				

\*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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HENNlich

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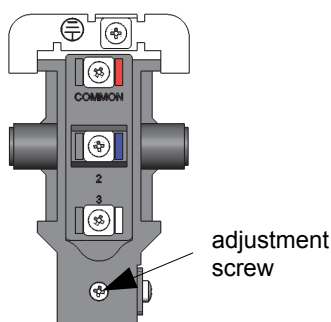
## Handling and operation

### 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.

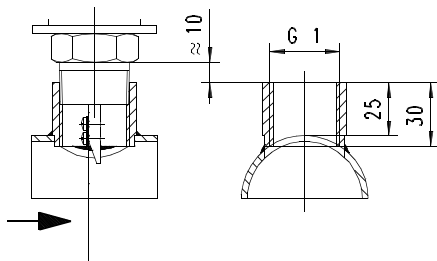
### Loosen adjustment

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

1. 2. 3. 4.  
CRG - 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="checkbox"/> 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).