

## Flow Switch VD-...GR

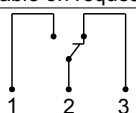


- Highly reproducible
- Precise, stepless adjustment of the switching value
- Insensitive to dirt
- Short installation length

### Characteristics

The volume flow raises a piston (fitted with a magnet) out from a valve seat against a spring force. The piston actuates a hermetically separated reed switch.

### Technical data

<b>Switch</b>	reed switch	
<b>Nominal width</b>	DN 8..80	
<b>Process connection</b>	female thread G 1/4..G 3	
<b>Switching range</b>	1..600 l/min	for details see table "Ranges"
<b>Q<sub>max.</sub></b>	to 720 l/min	
<b>Tolerance</b>	±5 % of full scale value	
<b>Pressure resistance</b>	G 1/4..G 1 - PN 25 bar G 1 1/4..G 3 - PN 16 bar	
<b>Medium temperature</b>	-20..+120 °C	
<b>Ambient temperature</b>	-20..+70 °C	
<b>Media</b>	water (oils and gases available on request)	
<b>Wiring</b>	changeover no. 0.213	
<b>Switching voltage</b>	max. 250 V AC	
<b>Switching current</b>	max. 1.5 A	
<b>Switching capacity</b>	max. 50 VA	
<b>Protection class</b>	2 - safety insulation	
<b>Ingress protection</b>	IP 44, optionally IP 65	
<b>Connection</b>	plug DIN 43650-A / ISO 4400	
<b>Materials medium-contact</b>	Rg 5 / Rg 6 nickelled, POM, 1.4310, CW614N, NBR, hard ferrite	
<b>Non-medium-contact materials</b>	ABS, PA	

<b>Weight</b>	see table "Dimensions and weights"
<b>Installation location</b>	Standard: horizontal inwards flow; switching head not recommended underneath; other installation positions are possible; the installation position affects the switching point and range.

### Ranges

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

G	Nominal width	Switching range l/min H <sub>2</sub> O	Q <sub>max.</sub> recommended	Type
G 1/4	DN 8	1 - 10 4 - 20 10 - 40 20 - 60	15	VD-008GR010
	G 3/8		DN 10	25
20				VD-010GR010
G 1/2	DN 15		30	VD-010GR020
			20	VD-015GR010
G 3/4	DN 20		30	VD-015GR020
			20	VD-020GR010
			40	VD-020GR020
			60	VD-020GR040
G 1	DN 25		80	VD-020GR060
		20	VD-025GR010	
G 1 1/4	DN 32	40	VD-025GR020	
		60	VD-025GR040	
		85	VD-025GR060	
		10 - 40	90	VD-032GR040
G 1 1/2	DN 40	20 - 60	100	VD-032GR060
		20 - 60	145	VD-032GR100
		50 - 150	200	VD-032GR150
		30 - 100	220	VD-040GR150
		100 - 200	250	VD-040GR200
		100 - 200	290	VD-050GR200
G 2	DN 50	400	VD-065GR200	
		180 - 330	475	VD-065GR330
G 3	DN 80	300 - 600	600	VD-080GR330
		300 - 600	720	VD-080GR600

Special ranges are available

