

Flow monitor
VE



Highlights

- Wide set point range and precise set point adjustment
- Safe monitoring of lowest flow rates, fail safe
- Optical signalling by 2 LEDs

Technical data	DN 15	DN 25	DN 40
Set point range (with decreasing flow) / accuracy	0.5...29.5 l/min / ± 2 % of set point + accuracy of turbine flow sensor	3...100 l/min / ± 4 % of set point + accuracy of turbine flow sensor	7...275 l/min / ± 6 % of set point + accuracy of turbine flow sensor
Set point adjustment	16 different set points selectable		
Output / max. contact rating	Only switching output Electrically insulated contact, opens in the case of lack of flow Max. contact rating 125 VAC / DC, 100 mA Switching output and pulse output Switching output against power supply Max. contact rating 100 mA Pulse output: flow-proportional frequency signal NPN, max. 100 mA		
Switching hysteresis	0.5 l/min	2...5 l/min	3...35 l/min
Power supply	12...24 VDC		
Current consumption	Max. 25 mA		
Degree of protection	IP54 with closed sleeve and connected socket		
Casing	Plastic PA, transparent		
Display, internal	LED yellow = ok, LED red = alarm		
Max. medium temperature	Dependent on the maximum temperature of the used flow sensor, not exceeding 80 °C		
Electrical connection	4 pin plug connector, M12 x 1		
Order code	See order code series VT		

Set points VT..15..VE (DN 15)

Switch position	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
Set point (l/min)* decreasing flow	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.5	5.5	7.5	9.5	11.5	15.5	19.5	24.5	29.5
Set point (l/min)* increasing flow	0.5 l/min over the set point decreasing flow															

Set points VT..25..VE (DN 25)

Switch position	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
Set point (l/min)* decreasing flow	3	5	6	8	10	12	15	18	20	25	30	35	40	50	70	100
Set point (l/min)* increasing flow	5	7	8	10	12	14	17	20	22	27	33	38	44	55	75	105

Set points VT..40..VE (DN 40)

Switch position	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
Set point (l/min)* decreasing flow	7	10	15	20	25	30	35	40	50	65	80	100	130	160	200	275
Set point (l/min)* increasing flow	10	13	19	24	30	35	40	47	58	75	90	115	150	190	230	310

* The specified values refer to operation with water at 20 °C. Monitoring of fluids with higher viscosities is possible with the effect of deviations from the mentioned values. If you order at least 25 units, individual set point tables can be implemented.