

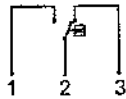
MR1K-025GM/GK

**Flow Switch**  
**Novafix MR1K-...GM/GK**

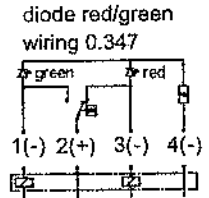
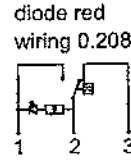
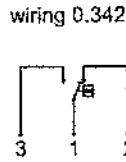
1.1.  
MR1K.

**ELECTRICAL DATA**

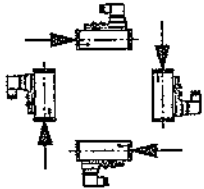
reed switch - wiring 0.213 change over  
250 V AC 1.5 A 50 VA  
plug DIN 43650-A  
protection class 2  
protection class IP 65



**BASIC**  
Programme-  
options



**MOUNTING POSITION**



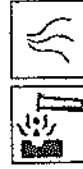
Installation position may influence switch value.

**METERING SUBSTANCES**



water

oil



gas/air

design stainless steel MR1K-...GK  
for aggressive liquids

**NOMENCLATURE**

MR1K- 008 G M 004

MR1K-  
MR1KJ-  
MR1KO-

008  
010  
015  
020  
025

G

M  
K

004  
010  
020  
030  
040  
060

E

Programme option  
BASIC

Special option  
VARIO

For combination see table "technical data"

basic type  
specification

Flow Switch  
Flow Switch with magnetic indication  
Flow Switch with lateral flow metering unit

DN 8 - G1/4  
DN 10 - G3/8  
DN 15 - G1/2  
DN 20 - G3/4  
DN 25 - G1

female thread  
brass  
stainless steel

0.4 - 4 l/min  
1 - 10 l/min  
2 - 20 l/min  
3 - 30 l/min  
4 - 40 l/min  
6 - 60 l/min

connection by local electronic (e.g. omni-MR1K)  
wiring 0.342

wiring 0.208 - diode red integrated in plug DIN 43650-A  
wiring 0.347 - diode red/green integrated in plug DIN 43650-A  
setting / adjustable ranges for oil or gas  
special ranges / selected hysteresis / vibration-proof  
high pressure PN 500 bar  
two to four independent switch heads

**IMPORTANT FOR YOUR ORDER**

- Please Indicate flow direction, metering substance and adjustable range with your order.
- With viscous liquids please indicate viscosity, temperature and metering substance (adjustable range on request)
- With gaseous media indicate pressure (relative or absolute), temperature and metering substance (adjustable range on request)

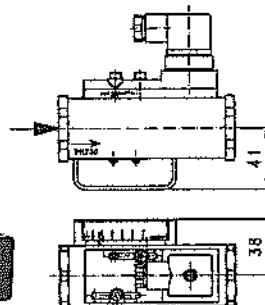
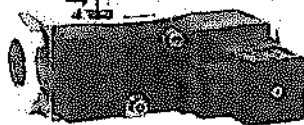
**OPTION**

MR1KO

Flow Switch with lateral flow metering

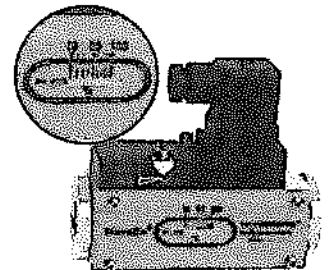
adjustable range metering range

l/min H <sub>2</sub> O	l/min H <sub>2</sub> O
0.4 - 4	0.5 - 5
1 - 10	1 - 12
2 - 20	2 - 23
3 - 30	4 - 34
4 - 40	5 - 45
6 - 60	5 - 65



MR1KJ

flow switch with magnetic indication 10-100%



Metering range is indicated for horizontally increasing flow. Protection class IP60 8o9. Additional weight 0.1kg

All technical changes reserved

●BASIC Standard ○BASIC Programme option □VARIO Special option ⊕ PLUS Accessories ✗not recommendable

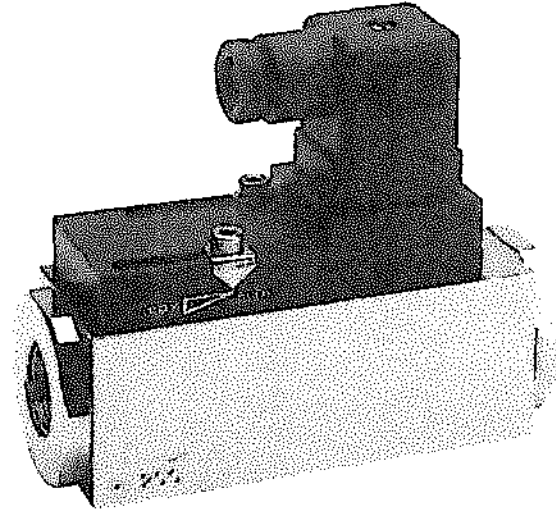
MR1K-025GM/GK

**GENERAL CHARACTERISTICS**

Mechanical Flow Switch for liquids or gaseous media with spring supported piston and magnetic actuation of a reed switch. Robust design, produced in materials brass or stainless steel.

- \* compact dimension
- \* good repeatability
- \* dirt-resistance
- \* high switch capability
- \* hermetic separation of mechanical and electrical component

Female thread G1/4 to G1 brass/stainless steel



MR1K-010GM004

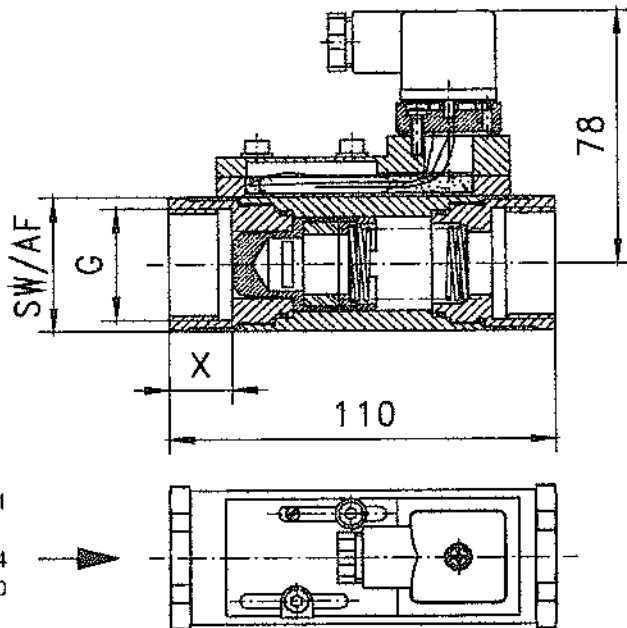
MR1K-025GK020

**TECHNICAL DATA**

	G	Type	PN bar	Qmax. recom. l/min H <sub>2</sub> O	adjustable range l/min H <sub>2</sub> O			AF mm	X mm	weight kg
brass	G 1/4	MR1K-008GM004	200	10	0.4 - 4			40	15	1.3
	G 3/8	MR1K-010GM...	200	20	0.4 - 4	1 - 10		40	15	1.3
	G 1/2	MR1K-015GM...	200	40	1 - 10	2 - 20	3 - 30	40	15	1.2
	G 3/4	MR1K-020GM...	200	60	3 - 30	4 - 40		40	18	1.2
	G 1	MR1K-025GM...	200	80	4 - 40	6 - 60		40	18	1.1
stainless steel	G 1/4	MR1K-008GK004	200	10	0.4 - 4			41	15	1.3
	G 3/8	MR1K-010GK...	200	20	0.4 - 4	1 - 10		41	15	1.3
	G 1/2	MR1K-015GK...	200	40	1 - 10	2 - 20	3 - 30	41	15	1.2
	G 3/4	MR1K-020GK...	200	60	3 - 30	4 - 40		41	18	1.2
	G 1	MR1K-025GK...	200	80	4 - 40	6 - 60		41	18	1.1

Adjustable range is indicated for horizontally decreasing flow.

tolerance	±5% of full scale
media temperature	max. 120°C
average pressure loss	0.5 bar at Qmax.
hysteresis	depending on switch value minimum 0.5 l/min.



**MATERIALS**

	MR1K-...GM	MR1K-...GK
body	brass Ms58 nickel plated	stainless steel 1.4571
piston	brass Ms58	stainless steel 1.4404
spring	stainless steel 1.4310	stainless steel 1.4310
magnet	bariumferrite	bariumferrite
seal	NBR	viton
switch head	polycarbonate	polycarbonate