

**GENERAL CHARACTERISTICS**

Mechanical Flow Indicator for liquids or gaseous media, with spring-supported piston. Piston is magnetically linked to an indicator element. Rugged design in brass or stainless steel.

- \* multiviscosity scale
- \* for dark and/or contaminated liquids
- \* good repeatability
- \* dirt resistance

Female G1/4 to G1 brass/stainless steel



NJ-015GM040

**TECHNICAL DATA**

	G	Type	PN bar	Qmax. recom. l/min H <sub>2</sub> O	indicating range l/min H <sub>2</sub> O				weight kg
brass	G 1/4	NJ-008GM010	100	10	2 - 10				1.5
	G 3/8	NJ-010GM...	100	20	2 - 10   4 - 20				1.4
	G 1/2	NJ-015GM...	100	40	2 - 10   4 - 20   10 - 40				1.3
	G 3/4	NJ-020GM...	100	60	2 - 10   4 - 20   10 - 40				1.3
	G 1	NJ-025GM...	100	80	2 - 10   4 - 20   10 - 40   20 - 80				1.2
stainless steel	G 1/4	NJ-008GK010	100	10	2 - 10				1.5
	G 3/8	NJ-010GK...	100	20	2 - 10   4 - 20				1.4
	G 1/2	NJ-015GK...	100	40	2 - 10   4 - 20   10 - 40				1.3
	G 3/4	NJ-020GK...	100	60	2 - 10   4 - 20   10 - 40				1.3
	G 1	NJ-025GK...	100	80	2 - 10   4 - 20   10 - 40   20 - 80				1.2

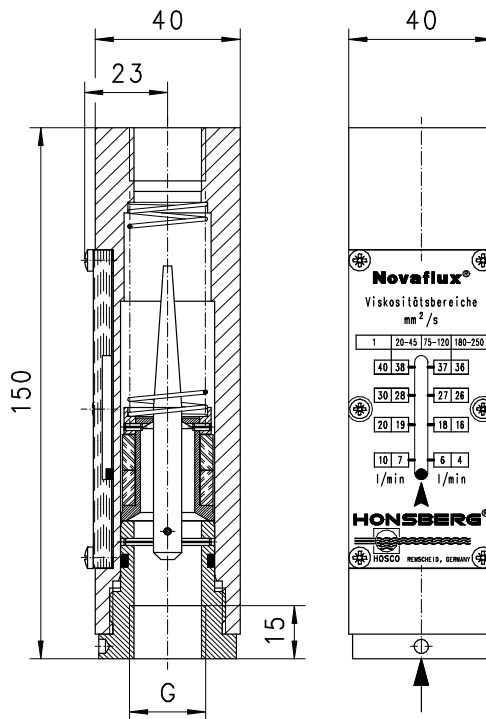
Indicating range is calibrated for vertical upward increasing flow.

tolerance ±8% of full scale min. 1l/min  
 media temperature max. 100°C  
 average pressure loss 0.5bar at Qmax.

indication range multi scale				
1	20-45	75-120	180-250	mm <sup>2</sup> /s
2-10	0.6- 8	0.2- 7	0.1- 4	l/min
4-20	2 -19	1 -17	0.5-15	l/min
10-40	7 -38	6 -37	4 -36	l/min
20-80	19 -73	17 -68	13 -63	l/min

**MATERIALS**

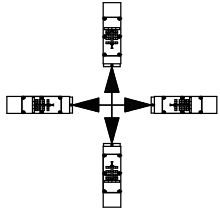
	NJ-...GM	NJ-...GK
body	brass Ms58 nickel plated	stainless steel 1.4571
piston	brass Ms58	stainless steel 1.4571 ; 1.4310
spring	stainless steel 1.4310	stainless steel 1.4310
magnet	bariumferrite	bariumferrite PTFE plated
seals	NBR	viton
scale	acrylic (GS)	acrylic (GS)



**ELECTRICAL DATA**

- **BASIC Standard**  
No electrical components
- **BASIC Programme option**  
switch heads  
for descriptions see following page

**MOUNTING POSITION**



Installation position may influence indicating range. Scale arrangement for upward flow.

**METERING SUBSTANCES**



water



gas/air



oil



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

**NOMENCLATURE**

For combination see table "technical data"

NJ-	008	G	M	010		basic type
					●	Flow Indicator
NJM1-					○	Flow Indicator with switch head metal, wiring 0.333 (NJE100)
NJM2-					○	Flow Indicator with switch head metal, wiring 0.215 (NJE200)
NJK1-					○	Flow Indicator with switch head plastic, wiring 0.338 (NJE400)
NJK2-					○	Flow Indicator with switch head plastic, wiring 0.215
NJK3-					□	Flow Indicator with switch head plastic, wiring 0.347 (NJE400sp)
	008				●	DN 8 - G1/4
	010				●	DN 10 - G3/8
	015				●	DN 15 - G1/2
	020				●	DN 20 - G3/4
	025				●	DN 25 - G1
		G			●	female thread
		W			○	manifold block connector for 70.1.VB.
			M		●	brass
			K		●	stainless steel
				010	●	2 - 10 l/min
				020	●	4 - 20 l/min
				040	●	10 - 40 l/min
				080	●	20 - 80 l/min
Programme option					○	signal lamp
BASIC						
Special option					□	special range special scales
VARIO						
Accessories					⊕	manifold block - data sheet 70.1.VB.
PLUS						

**IMPORTANT FOR YOUR ORDER**

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

**ACCESSORIES**

Manifold  
see datd sheet 70.1.VB.



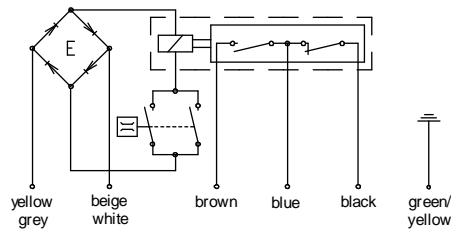
All technical changes reserved

- BASIC Standard
- BASIC Programme option
- VARIO Special option
- ⊕ PLUS Accessories
- ✗ not recommendable

**OPTION**

**○ NJM1-**

switch head metal  
reed switch  
wiring 0.333 (NJE100)  
switching voltage 250 V AC 5 A  
supply voltage 230 V AC  
(option 115 V AC)  
(option 24 V DC output circuit 10mA)  
cable gland Pg9 with 2.5 metre cable  
protection class IP 65  
additional weight 0.45kg

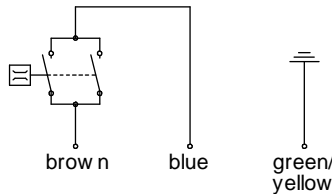


**Attention!** Only switch head grounded not body of Flow Indicator



**○ NJM2-**

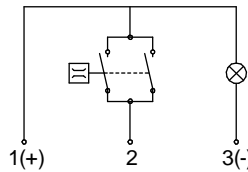
reed switch  
wiring 0.215 (NJE200)  
250 V AC 0.5 A 10 VA  
cable gland Pg9 with 2.5 metre cable  
protection class IP 65  
additional weight 0.45kg



**Attention!** Only switch head grounded not body of Flow Indicator

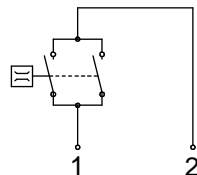
**○ NJK1-**

switch head plastic  
reed switch  
wiring 0.338 (NJE400)  
250 V AC 0.5 A 10 VA  
plug DIN 43650-A  
protection class IP 65  
additional weight 0.15kg



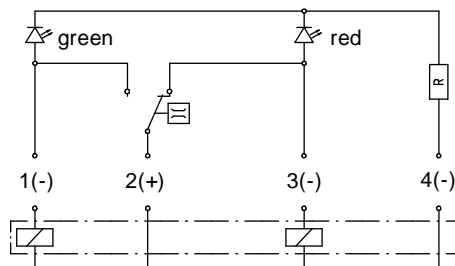
**○ NJK2-**

switch head plastic  
reed switch  
wiring 0.215  
250 V AC 0.5 A 10 VA  
plug DIN 43650-A  
protection class IP 65  
additional weight 0.15kg



**□ NJK3-**

switch head plastic  
reed switch  
wiring 0.347 (NJE400sp)  
24 V DC  
plug Hirschmann G4  
protection class IP 65  
additional weight 0.15kg



All technical changes reserved

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