

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 ₂ O	indicating range l/min H ₂ 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

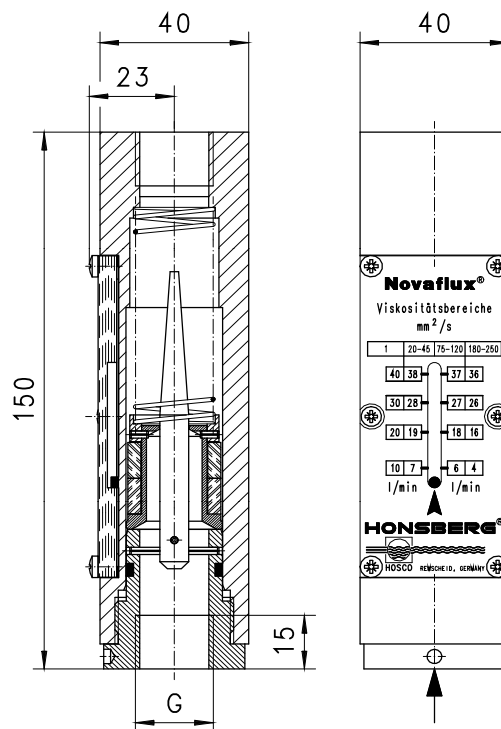
Indicating range is calibrated for vertical upward increasing flow.

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 ² /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
seals	NBR	viton
scale	acrylic (GS)	acrylic (GS)

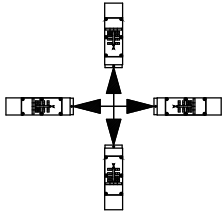


ELECTRICAL DATA

● **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 - ment for upward flow.

METERING SUBSTANCES



water



oil



gas/air



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

NOMENCLATURE

For combination see table "technical data"

NJ-	008	G	M	010	basic type specification	
NJ-					●	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				●	nominal diameter
	010				●	
	015				●	
	020				●	
	025				●	
		G			●	female thread
		W			○	manifold block connector for 70.1.VB.
			M		●	brass
			K		●	stainless steel
				010	●	indicating range
				020	●	
				040	●	
				080	●	
Programme option					○	signal lamp
BASIC						
Special option					□	special range
VARIO						special scales
Accessories					⊕	manifold block - data sheet 70.1.VB.
PLUS						

H₂O upward flow

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

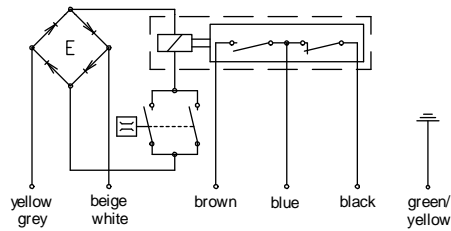
●BASIC Standard ○BASIC Programme option □VARIO Special option ⊕ PLUS Accessories

X 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

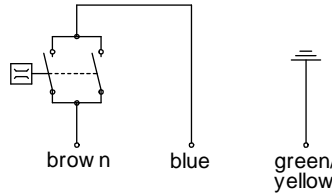


Attention! Only switch head grounded not body of Flow Indicator



○ NJM2-

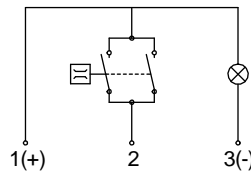
reed switch
 wiring 0.215 (NJE200)
 250 V AC 0.5 A 10 VA
 cable gland Pg9 with 2.5 metre cable
 protection class IP 65
 additional weight 0.45kg



Attention! Only switch head grounded not body of Flow Indicator

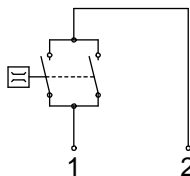
○ NJK1-

switch head plastic
 reed switch
 wiring 0.338 (NJE400)
 250 V AC 0.5 A 10 VA
 plug DIN 43650-A
 protection class 2
 protection class IP 65
 additional weight 0.15kg



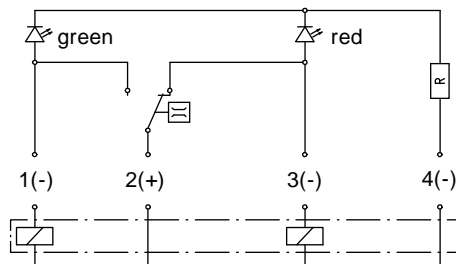
○ NJK2-

switch head plastic
 reed switch
 wiring 0.215
 250 V AC 0.5 A 10 VA
 plug DIN 43650-A
 protection class 2
 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 2
 protection class IP 65
 additional weight 0.15kg



All technical changes reserved

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