

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.

- * viscosity compensation 1-200mm²/s
- * for dark and/or contaminated liquids
- * good repeatability
- * dirt-resistance

Female thread G1/4 to G1 brass



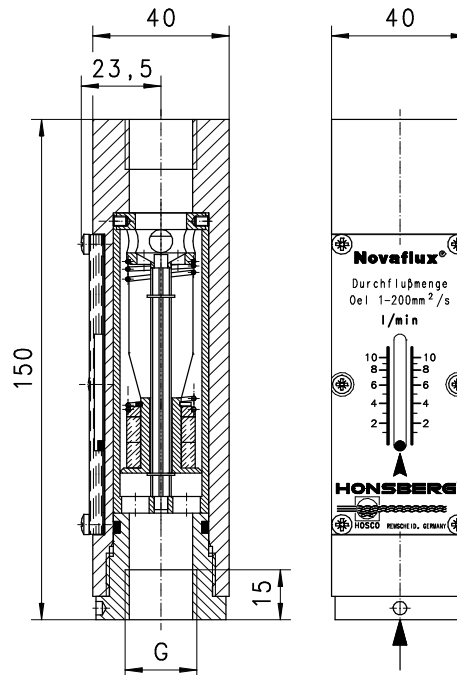
NJV-015GM040

TECHNICAL DATA

	G	Type	PN bar	Qmax. recom. l/min oil 1-200mm ² /s	indicating range				weight kg
					l/min oil 1-200mm ² /s				
brass	G 1/4	NJV-008GM010	100	10	2- 10				1.5
	G 3/8	NJV-010GM...	100	20	2- 10	4- 20			1.4
	G 1/2	NJV-015GM...	100	40	2- 10	4- 20	10- 40		1.3
	G 3/4	NJV-020GM...	100	60	2- 10	4- 20	10- 40	10- 60	1.3
	G 1	NJV-025GM...	100	80	2- 10	4- 20	10- 40	10- 60	1.2

Indicating range is calibrated for vertical upward increasing flow. Calibration with oil ISO VG64 - 80mm²/s.

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



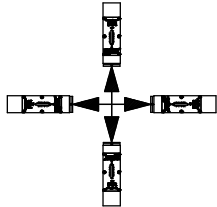
MATERIALS

body brass Ms58 nickel plated
 metering unit brass Ms58
 spring stainless steel 1.4310
 magnet neodym
 seal NBR
 scale 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



oil



gas/air

NOMENCLATURE

For combination see table "technical data"

NJV-	008	G	M	010	basic type specification	
NJV-					●	Flow Indicator
NJVM1-					○	Flow Indicator with switch head metal, wiring 0.333 (NJE100)
NJVM2-					○	Flow Indicator with switch head metal, wiring 0.215 (NJE200)
NJVK1-					○	Flow Indicator with switch head plastic, wiring 0.338 (NJE400)
NJVK2-					○	Flow Indicator with switch head plastic, wiring 0.215
NJVK3-					□	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	●	
				060	●	
Programme option					○	signal lamp
BASIC						
Special option					□	special ranges special scales
VARIO						
Accessories					⊕	manifold block - data sheet 70.1.VB.
PLUS						

oil 1-200mm²/s upward flow

IMPORTANT FOR YOUR ORDER

- Please indicate flow direction, metering substance and indicating range with your order.
- With viscous liquids (>200mm²/s) please indicate viscosity, temperature and type of liquid (e.g. ISO VG 68! Range upon 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.



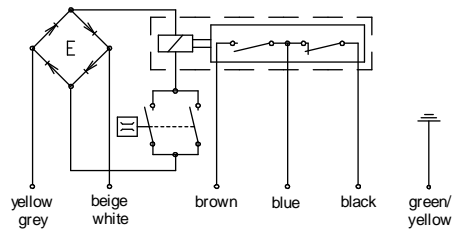
All technical changes reserved

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

OPTION

○ NJVM1-

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

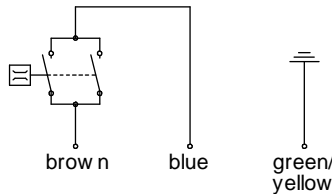


Attention! Only switch head grounded not body of Flow Indicator



○ NJVM2-

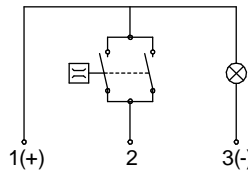
switch head metal
reed switch
wiring 0.215 (NJE200)
250 V AC 0.5 A 10 VA
cable gland Pg9 with 2.5 metre cable
protection class IP 65
additional weight 0.45kg



Attention! Only switch head grounded not body of Flow Indicator

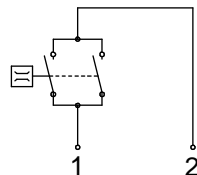
○ NJVK1-

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



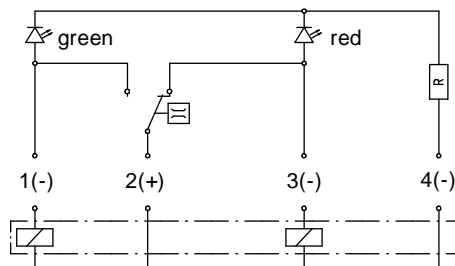
○ NJVK2-

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



□ NJVK3-

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