

**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 1-200mm<sup>2</sup>/s
- \* for dark and/or contaminated liquids
- \* good repeatability
- \* dirt-resistance

Female thread G1/4 to G1 brass



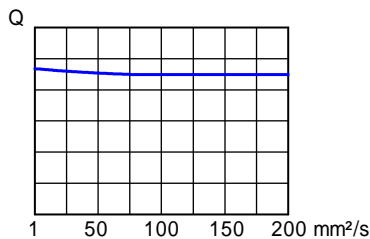
**NJV-015GM040**

**TECHNICAL DATA**

G	Type	PN bar	Qmax. recom. l/min oil 1-200mm <sup>2</sup> /s	indicating range				weight kg	
				l/min oil		1-200mm <sup>2</sup> /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		1.3
	G 3/4	NJV-020GM...	100	60	2- 10		4- 20		1.3
	G 1	NJV-025GM...	100	80	2- 10		4- 20		1.2

Indicating range is calibrated for vertical upward increasing flow. Calibration with oil ISO VG64 - 80mm<sup>2</sup>/s.

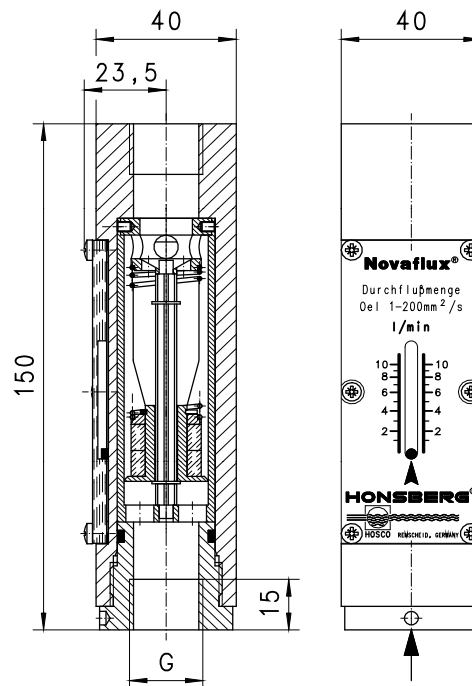
tolerance ±8% of full scale min. 1l/min  
 media temperature max. 100°C  
 average pressure loss 0.5bar at Qmax.



Within the mechanical viscosity compensation the flow velocity in the piston area is increased sharply with the effect that the viscosity impact declines and the metering results stabilise even with changing viscosity ratings.

**MATERIALS**

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

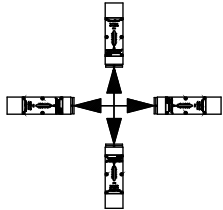


**ELECTRICAL DATA**

● **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
VARIO						special scales
Accessories					⊕	manifold block - data sheet 70.1.VB.
PLUS						

oil 1-200mm<sup>2</sup>/s upward flow

**IMPORTANT FOR YOUR ORDER**

- Please indicate flow direction, metering substance and indicating range with your order.
- With viscous liquids (>200mm<sup>2</sup>/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 data sheet 70.1.VB.



All technical changes reserved

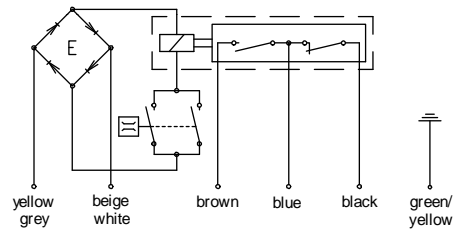
●BASIC Standard ○BASIC Programme option □VARIO Special option ⊕ PLUS Accessories

**X** 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

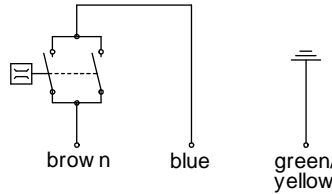


**Attention!** Only switch head grounded not body of Flow Indicator



**○ NJVM2-**

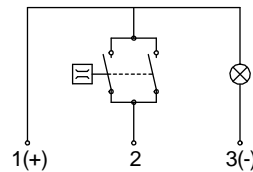
switch head metal  
reed switch  
wiring 0.215 (NJE200)  
250 V AC 0.5 A 10 VA  
cable gland Pg9 with 2.5 metre cable  
protection class IP 65  
additional weight 0.45kg



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

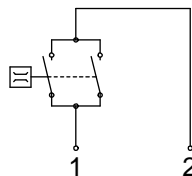
**○ NJVK1-**

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



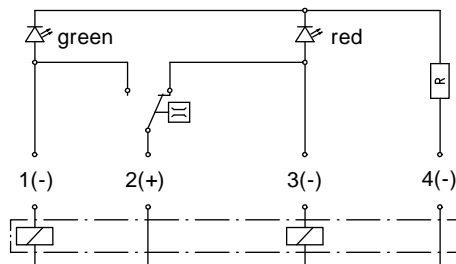
**○ NJVK2-**

switch head plastic  
reed switch  
wiring 0.215  
250 V AC 0.5 A 10 VA  
plug DIN 43650-A  
protection class 2  
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 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