

MWN130-NC "Nubis"

Turbine water flow sensors for heat meters - MWN130-NC "Nubis"

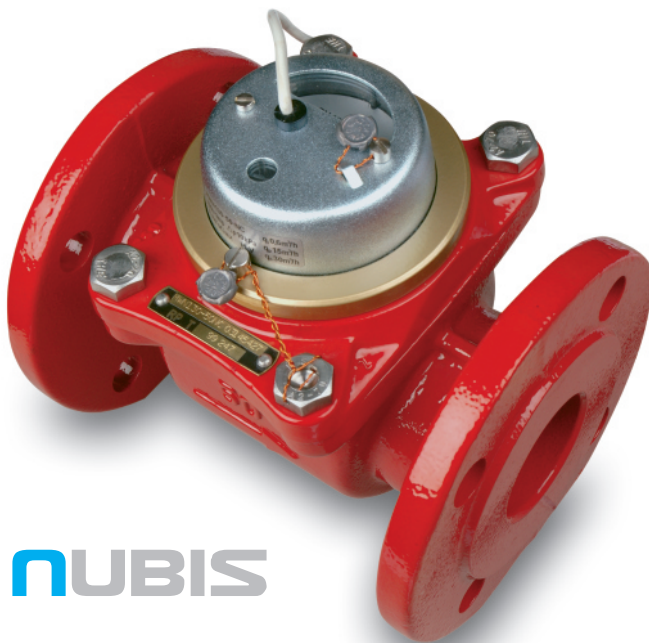
130°C HV

ISO 9001 ISO 14001
PN-N 18001

BELL
Flow Systems



New



nUBIS

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NEW

- modular design
- much smaller weight
- nominal diameter DN 40
- wider measuring range
- hard bearing

Permanent flow rate

$q_p = 15\text{m}^3/\text{h}; 25\text{m}^3/\text{h}; 40\text{m}^3/\text{h}; 60\text{m}^3/\text{h};$
 $100\text{m}^3/\text{h}; 150\text{m}^3/\text{h}; 250\text{m}^3/\text{h};$
 $400\text{m}^3/\text{h}; 600\text{m}^3/\text{h}$

Nominal diameter

DN 40, 50, 65, 80, 100, 125, 150,
200, 250, 300

Working temperature

max. 130°C

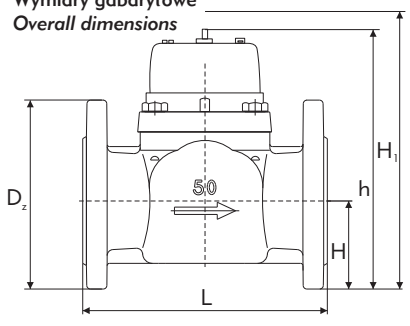
Working pressure

max. 1,6 MPa (16 bar)

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Characteristic features:

- flow sensors designed to work with heat meter calculators,
- horizontal, vertical and skew pipeline mounting with counter dial directed upward, sideward and in other intermediate H-V positions
- wide measurement range and low starting flow rate,
- roller-pointer counter housed in airtight casing,
- easy read-out due to a freely adjustable rotary counter dial,
- magnetic clutch,
- removable measuring insert,
- conformity with ISO standard, metrological regulations for heat meters and OIML recommendations,

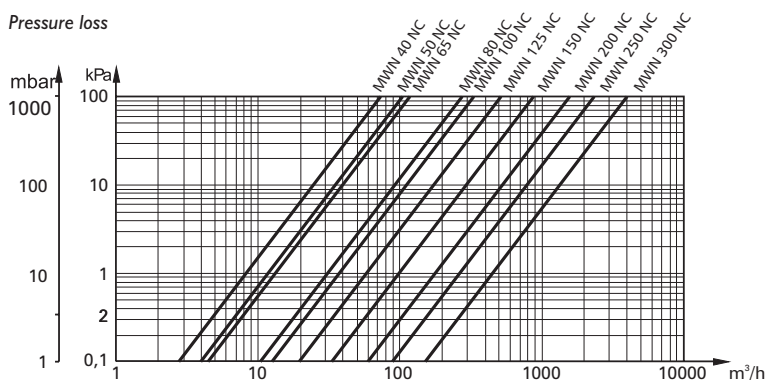
Oznaczenie - Typ Designation - Type	MWN130-		40-NC	50-NC	65-NC	80-NC	100-NC	125-NC	150-NC	200-NC	250-NC	300-NC	
Średnica nominalna Nominal diameter	DN	mm	40	50	65	80	100	125	150	200	250	300	
Przepływ nominalny Permanent flow rate	q _p	m ³ /h	15	15	25	40	60	100	150	250	400	600	
Przepływ maksymalny Overload flow rate	q _s	m ³ /h	30	30	60	90	140	200	300	500	1000	1200	
Przepływ minimalny Minimum flow rate	q _i	m ³ /h	0,6	0,6	0,8	1,4	1,8	3,5	5,5	10	20	35	
Próg rozruchu Starting flow rate	-	m ³ /h	0,25	0,25	0,3	0,35	0,6	1,1	2	4	8	15	
Błąd graniczny dopuszczalny Maximum permissible relative error	E _{Pd} (E _i)	%	E _{Pd} = ±(3+0,05q _p /q) nie więcej niż 5% / no more than 5%										
Zakres wskazań liczydła Counter range	-	m ³	10 ⁶						10 ⁷				
Działka elementarna Scale interval	V _e	dm ³	0,5						5		50		
Wartość impulsu Pulse value	-	dm ³ /imp	100 (standard) albo/or 10; 1000; 2,5; 25; 250						1000 (standard) albo/or 100; 10000; 25; 250; 2500				
Wymiary gabarytowe Overall dimensions 	L	mm	200	200	200	225 200*	250	250	300	350	450	500	
	H	mm	65	72	83	95	105	120	135	160	193	230	
	h	mm	177	187	197	219	229	257	357	382	427	497	
	H ₁	mm	277	287	297	339	349	377	582	607	652	722	
	D ₂	mm	150	165	185	200	220	250	285	340	400	460	
Masa Weight	-	kg	7,9	9,9	10,6	13,3	15,6	18,1	40,1	51,1	75,1	103,1	

H₁ - Wysokość przestrzeni do wyjęcia wstawki

H₁ - space for measuring insert removal

* na życzenie
on request

Pressure loss



Nadajnik kontaktowy (Reed'a) / Reed switch: -NC

- moc łączona / Connecting power: max. 10W
- rezystancja w stanie zwarcia / Resistance in closed state: max. 10 Ω
- rezystancja w stanie rozwarcia / Resistance in open state: min. 150M Ω
- maksymalny prąd łączony / Maximum current in closed state: 500mA
- dopuszczalne napięcie w stanie rozłączonym / Admissible voltage in open state: max. 200V

Flange drilling according to PN-EN 1092-2 (PN10); DIN 2532
DIN 2501 (NPI0); BS 4504 (NPI0). Version PN16 (NPI6) on request.



Note: Flow sensors with nominal diameters DN65- DN300 having an application in pressure reduction stations or compression stations are subjected to CE marking according to the Pressure Equipment Directive 97/23/EEC. Place of application of the ordered items shall be specified on an order form, as this may cause necessary CE marking to apply.

Example of an order:
flow sensor MWNI130-65-NC
pulse value: 100dm³/imp (standard)
flange drilling according to PN-EN 1092-2 PN10
place of application: Compression station (CE marking required)

MWNI130-65-NC
-100/imp-PN10-CE

