

Product Description

Propeller water meters-MWN Nubis

ISO 9001 ISO 14001 PN-N 18001



NUBIS

Brief Product Description

NEW

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

Characteristic features:

- . possibility of mounting on horizontal, vertical and inclined pipelines with counter set upwards, sideways or in medium position H-V,
- . wide measurement range and low starting flow rate,
- . rotor axle parallel to pipe axes,
- . roller-pointer counter housed in airtight casing,
- . easy read-out due to a freely adjustable rotary counter dial,
- . magnetic clutch,
- . removable measuring insert in covered casing,
- . possibility of remote counting of water volume and flow rate (data according to a separate card),
- . possibility of electronic check-up,
- . materials approved for contact with potable water,
- . conformity with the standards ISO4064, BS5728, ISO/DIS-10385.

Propeller water meters-MWN-Nubis / modular structure / much smaller weight / nominal diameter DN 40 / wider measuring range /

For cold water

Max: 50°C

For hot water

Max: 130°C

Working pressure

max. 1,6 MPa (16 bar)

Product Attributes

Place of Origin	Poland
Brand Name	APATOR POWOGAZ
Model Number	MWN
APPROVAL	MID

Detailed Product Description

Propeller water meters - MWN Nubis Nominal diameter DN 40, 50, 65, 80, 100, 125, 150, 200, 250, 300. Working temperature: for cold water up to 50oC / for hot water up to 130oC. Working pressure: max. 1,6 MPa (16 bar) Characteristic features: possibility of mounting on horizontal, vertical and inclined pipelines with counter set upwards, sideways or in medium position H-V, wide measurement range and low starting flow rate, rotor axle parallel to pipe axes, roller-pointer counter housed in airtight casing, easy read-out due to a freely adjustable rotary counter dial, magnetic clutch, removable measuring insert in covered casing, possibility of remote counting of water volume and flow rate, possibility of electronic check-up, materials approved for contact with potable water, conformity with the standards ISO4064, BS5728, ISO/DIS-10385. Example of an order: water meter for cold water WATER METER MWN 80 flange drilling according to PN-EN 1092-2 (PN10)

Company Profile

Apator Powogaz S. A. is one of the largest Polish and European manufacturers of water meters. Our strong market position is attributable to our expertise based on 80-year tradition. The objective of our activities is to provide superior quality services to our individual and corporate Clients worldwide. The brand name of PoWoGaz offering a full range of water meters, heat meters and heat meter volume parts, has gained recognition among domestic as well as foreign Clients. With more than 50% of total sales, the export activities are of crucial importance for the company growth. We cooperate with numerous companies from West and East Europe, the Near and Far East, Africa, both Americas and from Australia. In addition to top quality products we have been produced for many years, our clients can benefit from new products we enter the market with. Thanks to our own patents and engineering standards, our Design Office can make custom-made products. With all of this available, we are now among the worldwide suppliers of water and heat metering equipment. In our times we are facing the need to economically and reasonably use the natural resources. Concerned about the natural environment, towards the end of the 90-ties we launched a new production plant in Pniewy near Poznan, meeting the most rigorous technical and environmental standards. This way, by improving our technologies to manage water and energy resources more reasonably, our activities are adjusted to the environment protection trends applied worldwide. This implies the demand for more and more accurate metering equipment and billing services, which we constantly endeavour to satisfy.

Company Name: APATOR POWOGAZ SA

Contact Name: Lukasz Kubiak

Tel: 48-61-8418234

Fax: 48-61- 8418147

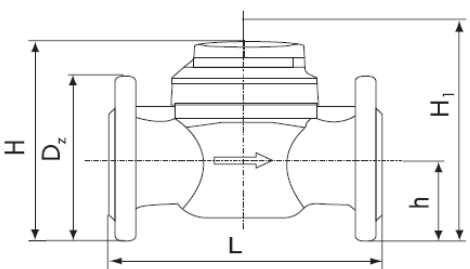
Mobile: 48-663820876

Address: UL. Klemensa Janickiego 23 / 25

Province/State: Wielkopolska

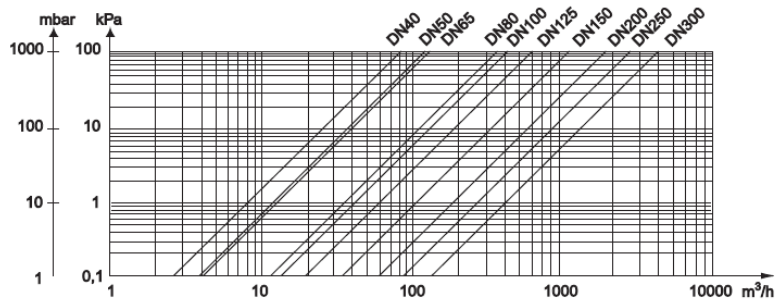
Country/Region: Poland

Website: <http://pl103935355.en.gongchang.com>

Nominalny strumień objętości ISO 4064 <i>Nominal flow rate ISO 4064</i>	q_p	m ³ /h	15	15	25	25	50	40	60	100	150	250	400	600
Średnica nominalna <i>Nominal diameter</i>	DN	mm	40	50	65	80	100	125	150	200	250	300		
Parametry producenta dla wody zimnej do 50°C <i>Producer's parameters for cold water up to 50°C</i>														
Maksymalny strumień objętości (chwilowy) <i>Maximum flow rate</i>	q_s	m ³ /h	60	90	120	200	300	350	600	1000	1600	2000		
Maksymalny roboczy strumień objętości <i>Maximum flow rate</i>	-	m ³ /h	30	50	60	120	230	250	400	750	1100	1400		
Pośredni strumień objętości <i>Transitional flow rate</i>	q_t	m ³ /h	0,9	0,9	1,2	0,8	1,8	2	4	6	11	15		
Minimalny strumień objętości <i>Minimum flow rate</i>	q_{min}	m ³ /h	0,35	0,35	0,45	0,5	0,6	1,5	1,8	4	6	12		
Próg rozruchu <i>Starting flow rate</i>	-	m ³ /h	0,15	0,15	0,2	0,25	0,25	0,5	1,0	1,5	3	8		
Parametry producenta dla wody gorącej do 130°C <i>Producer's parameters for hot water up to 130°C</i>														
Maksymalny strumień objętości (chwilowy) <i>Maximum flow rate</i>	q_s	m ³ /h	30	30	60	90	140	200	300	500	1000	1200		
Maksymalny roboczy strumień objętości <i>Maximum working flow rate</i>	-	m ³ /h	15	15	25	45	70	100	150	250	400	600		
Pośredni strumień objętości <i>Transitional flow rate</i>	q_t	m ³ /h	1,5	1,5	2	3,2	4,8	8	12	20	40	50		
Minimalny strumień objętości <i>Minimum flow rate</i>	q_{min}	m ³ /h	0,6	0,6	0,8	1,4	1,8	3,5	5,5	10	20	35		
Próg rozruchu <i>Starting flow rate</i>	-	m ³ /h	0,25	0,25	0,3	0,35	0,6	1,1	2	4	8	15		
Strumień objętości przy stracie ciśnienia 0,1 bar <i>Flow rate at 0,1 bar pressure loss</i>	-	m ³ /h	26	38	40	100	128	170	310	550	800	1250		
Zakres liczydła <i>Counter range</i>	-	m ³	10 ⁶						10 ⁷					
Działka elementarna <i>Scale interval</i>	-	m ³	0,0005						0,005			0,05		
	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 ¹⁾	mm	277	287	297	339	349	377	582	607	652	722		
	D _z	mm	150	165	185	200	220	250	285	340	400	460		
Masa <i>Weight</i>	-	kg	7,9	9,9	10,6	13,3	15,6	18,1	40,1	51,1	75,1	103,1		

Strata ciśnienia

Head loss



Uwaga: Wodomierze do wody gorącej o średnicach nominalnych DN65-DN300, których eksploatacja przewidziana jest w stacjach redukcyjnych ciśnienia lub w stacjach sprężania podlegają oznakowaniu CE na zgodność z dyrektywą ciśnieniową 97/23/EEC. W związku z tym w zamówieniu powinno zostać określone zastosowanie zamawianych wyrobów powodujące konieczność oznakowania CE.



Note: Water meters for hot water 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.

Owiercenie kołnierzy wg PN-EN 1092-2 (PN10), DIN2532, DIN2501 (NP10), BS4504 (NP10); na zamówienie wersja PN16(NP16)
Flange drilling according to PN-EN 1092-2 (PN10), DIN2532, DIN2501 (NP10)
BS4504 (NP10); PN16(NP16) on request

H₁ - Wysokość przestrzeni do wyjęcia wstawki

H₁ - space for measuring insert removal

* na życzenie
on request

Błąd względny w zakresie:

Relative indication error within:

$q_s \div q_t$ $\pm 2\%$ do wody zimnej poniżej $q_t \div q_{min}$ $\pm 5\%$
for cold water below $q_t \div q_{min}$
 $\pm 3\%$ do wody gorącej
for hot water

Przykład zamówienia:

wodomierz do wody zimnej WODOMIERZ MWN 80
owiercenie kołnierzy wg PN-EN 1092-2 (PN10)

Example of an order:

water meter for cold water WATER METER MWN 80
flange drilling according to PN-EN 1092-2 (PN10)



**Fabryka Wodomierzy
PoWoGaz SA**

ul. Klemensa Janickiego 23/25
60-542 Poznań, tel. 061 847 44 01
fax 061 847 01 92
e-mail: handel@powogaz.com.pl
www.powogaz.com.pl