

MWN NUBIS | MWN-NK | MWN-NO | MWN-NKO | MWN-NKOP
MWN130 | MWN130-NK | MWN130-NKP

PROPELLER WATER METERS (WOLTMAN) WITH HORIZONTAL ROTOR AXIS (DN40-500)

APPLICATION

For measuring of consumption of greater amounts of cold water with a temperature up to 30°C or 50°C, or hot water with a temperature up to 130°C, on the maximum working pressure up to 16 bar (PN16). Suitable for installation in the horizontal hoses (pipelines) with the counter directed upwards (**H**), in vertical or horizontal hoses with the counter directed sideways (**V**) or in diagonal hoses (**H/V**). MWN water meters in standard version are equipped with six-barrel counter (IP66, IP68 – optional) and painted cast-iron housing. Water meters are adapted to operation in the systems of remote data transfer (AMR).



MWN



MWN50-G

MEASUREMENT RANGE (MID):

MWN / MWN130

- Cold water R100 ÷ 200 - H, V
- Warm water R25 ÷ 40 - H, V

MWN-G / MWN130-G

- Cold water R100 - H, V
- Warm water R40 - H, V

Table 14. BASIC TECHNICAL DATA

Type	Q ₃ [m ³ /h]	DN [mm]	Length [mm]	Connection	Weight [kg]	Impulse value [dm ³ /imp.]		
						NK****		NO
						Stand.	On request	

WATER METERS for cold water

MWN 40 Nubis	R100	25	40	200	flange***	7,9	1000	2,5 10 25 100 250	1
MWN 40-XX* Nubis	R100	25	40	200	flange***	8,3			
MWN 50 Nubis	R100	40	50	200	flange***	9,9			
MWN 50-XX* Nubis	R100	40	50	200	flange***	10,3			
MWN 50-G Nubis	R100	40	50	200	G2½	5,4			
MWN 50-G-XX* Nubis	R100	40	50	200	G2½	5,8			
MWN 65 Nubis	R125	63	65	200	flange***	10,6			
MWN 65-XX* Nubis	R125	63	65	200	flange***	11,0			
MWN 80 Nubis	R160	100	80	225	flange***	13,8			
				200**	flange***	13,3			
MWN 80-XX* Nubis	R160	100	80	225	flange***	14,2			
				200**	flange***	13,7			
MWN 100 Nubis	R200	160	100	250	flange***	15,6			
MWN 100-XX* Nubis	R200	160	100	250	flange***	16,0			
MWN 125 Nubis	R160	250	125	250	flange***	18,1			
MWN 125-XX* Nubis	R160	250	125	250	flange***	18,5			
MWN 150 Nubis	R200	400	150	300	flange***	40,1	10000	25 100 250 1000 2500	10
MWN 150-XX* Nubis	R200	400	150	300	flange***	40,5			
MWN 200 Nubis	R125	630	200	350	flange***	51,1			
MWN 200-XX* Nubis	R125	630	200	350	flange***	51,5			
MWN 250 Nubis	R100	1000	250	450	flange***	75,1			
MWN 250-XX* Nubis	R100	1000	250	450	flange***	75,5			
MWN 300 Nubis	R125	1600	300	500	flange***	103,1	10000	250, 1000, 2500	105,23
MWN 300-XX* Nubis	R125	1600	300	500	flange***	103,5			

MWN; MWN130



Type		Q ₃ [m ³ /h]	DN [mm]	Length [mm]	Connection	Weight [kg]	Impulse value [dm ³ /imp.]		
							NK****		NO
							Stand.	On request	
MWN 400 Nubis	Class B	1000 (Qn)	400	600	flange***	240,0	10000	1000	105,23
MWN 400-XX* Nubis	Class B	1000 (Qn)	400	600	flange***	240,4			
MWN 500 Nubis	Class B	1500 (Qn)	500	800	flange***	380,0			
MWN 500-XX* Nubis	Class B	1500 (Qn)	500	800	flange***	380,4			100

WATER METERS for hot water

MWN130 40 Nubis	R40	25	40	200	flange***	7,9	100	2,5 10; 25 250 1000	-
MWN130 40-XX* Nubis	R40	25	40	200	flange***	8,3			
MWN130 50 Nubis	R40	25	50	200	flange***	9,9			
MWN130 50-XX* Nubis	R40	25	50	200	flange***	10,3			
MWN130 50-G Nubis	R40	25	50	200	G2½	5,4	1000	25; 100 250	
MWN130 50-G-XX* Nubis	R40	25	50	200	G2½	5,8			
MWN130 65 Nubis	R40	40	65	200	flange***	10,6	100	2,5 10 25 250 1000	
MWN130 65-XX* Nubis	R40	40	65	200	flange***	11,0			
MWN130 80 Nubis	R40	63	80	200**	flange***	13,3			
				225	flange***	13,8			
MWN130 80-XX* Nubis	R40	63	80	200**	flange***	13,7			
				225	flange***	14,2			
MWN130 100 Nubis	R40	100	100	250	flange***	15,6			
MWN130 100-XX* Nubis	R40	100	100	250	flange***	16,0			
MWN130 125 Nubis	R40	160	125	250	flange***	18,1			
MWN130 125-XX* Nubis	R40	160	125	250	flange***	18,5			
MWN130 150 Nubis	R40	250	150	300	flange***	40,1	1000	25 100 250 2500 10000	
MWN130 150-XX* Nubis	R40	250	150	300	flange***	40,5			
MWN130 200 Nubis	R25	400	200	350	flange***	51,1			
MWN130 200-XX* Nubis	R25	400	200	350	flange***	51,5			
MWN130 250 Nubis	R25	630	250	450	flange***	75,1			
MWN130 250-XX* Nubis	R25	630	250	450	flange***	75,5			
MWN130 300 Nubis	R25	1000	300	500	flange***	103,1	1000	250, 2500, 10000	
MWN130 300-XX* Nubis	R25	1000	300	500	flange***	103,5			

*) DN-XX / DN-G-XX – Water meters designs – where -XX stands for:

-NK – water meter with pulse transmitter with standard cable length of 2 linear metres – max. 10 m – remote transmission of volume counting

-NO – opto-electronic transmitter (not applicable to water meters for hot water) with standard cable length of 2 linear metres – max. 10 m – remote transmission of volume counting

-NKO – water meter equipped with NK and NO transmitter

-NKOP – water meter adapted for installation of NK and NO transmitter

On request – special design for demineralised water, only for diameters DN40-125 cold and hot water

On request – water meter (at the inlet) housing with pressure measurement outlet (coupling with lockshield valve, of the HASCO type: Z807/13/16x1.5), concerning diameter DN40-DN150 - only cold water

**) On request housing length according to ISO 4064

***) Flange drilling:

- Standard according to PN-EN 1092-2 (PN10), DIN 2532, DIN2501 (PN10), BS4504 (PN10)

- Special according to PN-EN 1092-2 (PN16) (on request)

- Additional according to JIS B2220-1984 (DN40-300) and ANSI B16.5 class 150 (DN40-300) (on request)

****) On request IP68 – cold water only, pre equipped for radio transmitters - Wireless M-Bus standard or NK transmitter with pulse range 10, 100, 1000 dm³/imp. (not applicable to NO and NKO)

PRODUCT FEATURES

- Preequipped for installation of: radio module for communication in the Wireless M-Bus and impulse module (not applicable to water meters for hot water and versions with NK, NO, NKO and NKOP transmitters)
- Wide measuring range
- Low starting rate
- Removable measuring panel
- Double-sided rotor bearing
- Easy reading of the water meter counter
- Hermetic counter - IP68 on request ****)
- Counter mechanism with blockade against multiple rotating, at rotation angle more than 360°
- Readings reliability
- In special option housing with connection for pressure measurement DN50-300 (cold and hot water)
- Optional version for demineralised water DN40-125 (cold and hot water)
- On request possibility of another drilling