

Propeller water meter - MWN

130°C HV



**ISO 9001 ISO 14001
PN-N 18001**

- modular Structure
- much smaller weight
- nominal diameter DN40
- wider measuring range
- hard bearing

Characteristic features :

- possibility of mounting on horizontal, vertical and inclined pipelines with counter set upwords, side-wards 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.

Nominal diameter

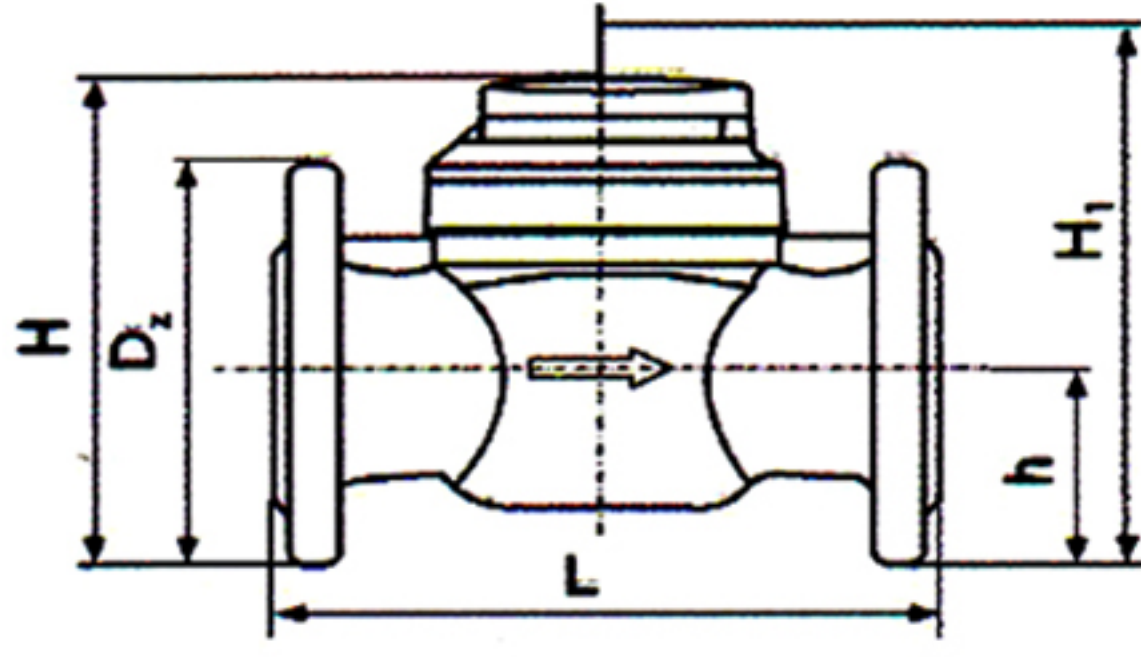
DN 40 , 50 , 65 , 80 , 100 , 125 ,
150, 200, 250, 300,

Working temperature

For hot water **max.130°C**

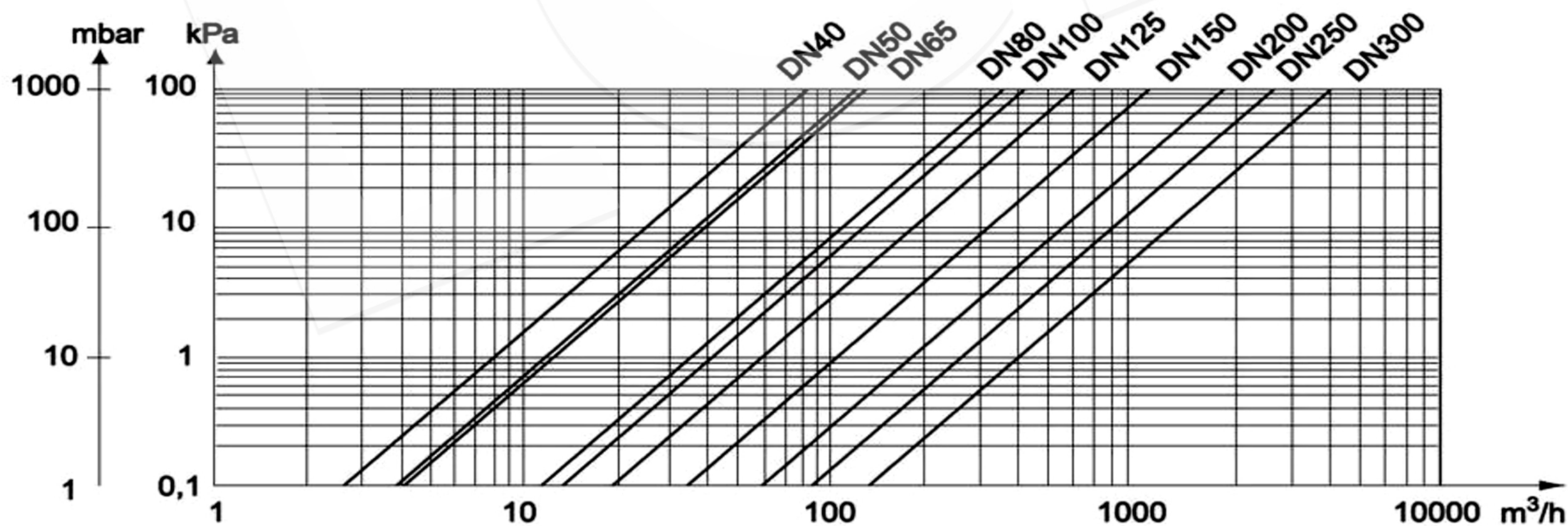
Working temperature

Max. 1,6 MPa (16 bar)

Nominal flow rate ISO 4064	q_p	m ³ /h	15	15	25	25	50	40	60	100	150	250	400	600
Nominal diameter	DN	mm	40	50	65	80	100	125	150	200	250	300		
Producer's parameters for cold water up to 130° C														
Maximum flow rate	q_s	m ³ /h	30	30	60	90	140	200	300	500	1000	1200		
Maximum working flow rate	-	m ³ /h	15	15	25	45	70	100	150	250	400	600		
Transitional flow rate	q_t	m ³ /h	1,5	1,5	2	3,2	4,8	8	12	20	40	50		
Minimum flow rate	q_{min}	m ³ /h	0,6	0,6	0,8	1,4	1,8	3,5	5,5	10	20	35		
Starting flow rate	-	m ³ /h	0,25	0,25	0,3	0,35	0,6	1,1	2	4	8	15		
flow rate at 0.1 bar pressure loss	-	m ³ /h	26	38	40	100	128	170	310	550	800	1250		
Counter range	-	m ³	10 ⁶							10 ⁷				
Scale interval	-	m ³	0,0005							0,005		0,05		
flow rate at 0.1 bar pressure loss	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		
Weight	-	kg	7,9	9,9	10,6	13,3	15,6	18,1	40,1	51,1	75,1	103,1		

H₁ -space for measuring insert removal
on request

Head loss



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.

Relative indication error within

$q_s \div q_t \pm 3\%$ for hot water below $q_s \div q_{min} \pm 5\%$

Example of an order :

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

Flange drilling according to PN-EN 1092-2
(PN10), DIN2532,DIN2501 (NP10)
BS4504 (NP10);PN16(NP16) on request