

# Belanto

WATER METER

— M.I.D. APPROVED —

## WP-SDC

COPPER CAN REGISTER



# WOLTMAN

WATER METER



# Belanto Water Meter

## WP-SDC Copper Can Register

### Woltman (Turbine)

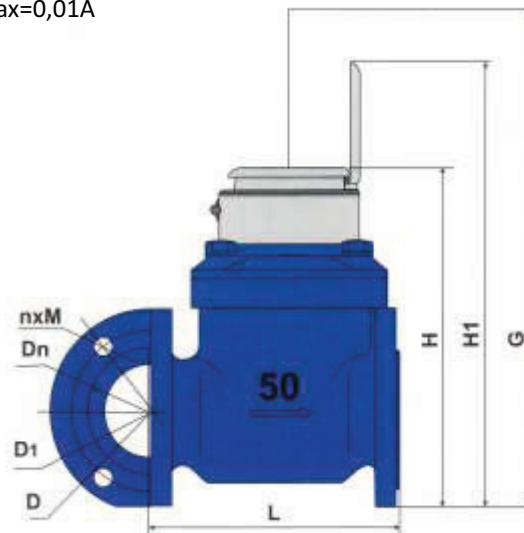
Belanto WP-SDC is TURBINE Woltman water meter with magnetic transmission, super dry type register for industrial and irrigation application has the sizes from Dn40 to Dn500 designed by Belanto and meets to the requirements of Directive 2004/22/EC on measuring instruments and of European Standard EN14154.

#### CHARACTERISTICS:

- All the materials in contact with water, consciously selected by the known resistance to corrosion;
- Iron body with inside and outside epoxy coating for protecting the corrosion;
- The ROTATING indicator register for the most comfortable reading position;
- The copper can super dry register with IP68 protection;
- The Interchangeable, removable measuring mechanism can be easily removed from the body for checking, maintaining and replacing, no need to dismantle the body from the pipe;
- Suitable for any position installation;
- Low pressure loss;
- No affected by external magnetic fields;
- Pulse output always ready, and Pulse output AS OPTION.
  - The Pulse Output Device consists of a plastic housing with a Reed Switch, and 1,5 m cable with 2 cores in Red and Black.
  - Electric data:  $V_{max}=24AC/DC$ ;  $I_{max}=0,01A$
  - Capacity of the Pulse Emitter:



Size	m <sup>3</sup> /pulse	
Dn40 to Dn125	0.1	1
Dn150 to Dn200	1	10
Dn250 to Dn500	10	100



#### DIMENSIONS

DN	40	50	65	80	100	125	150	200	250	300	350	400	500
L	260	200	200	225	250	250	300	350	450	500	500	600	800
H	225	252	262	272	282	297	341	371	480	516	560	647	785
H1	303	339	349	359	369	384	428	458	576	603	603	723	838
G	360	400	400	400	400	400	500	500	710	730	730	830	930
D	150	165	185	200	220	250	285	340	405	460	520	580	715
D1	110	125	145	160	180	210	240	295	355	410	470	525	650
nxM	4xM16	4xM16	4xM16	8xM16	8xM16	8xM20	12xM20	12xM20	12xM24	12xM24	16xM24	16xM27	20xM30

DN	40	50	65	80	100	125	150	200	250	300	350	400	500
L	X	250	250	200	300	X	430	X	X	X	X	500	500
L	X	270	260	270	360	X	X	X	X	X	X	X	X
L	X	310	X	300	483	X	X	X	X	X	X	X	X
L	X	X	X	413	X	X	X	X	X	X	X	X	X

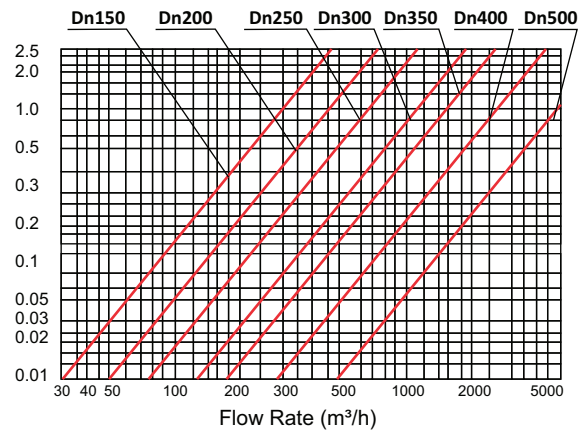
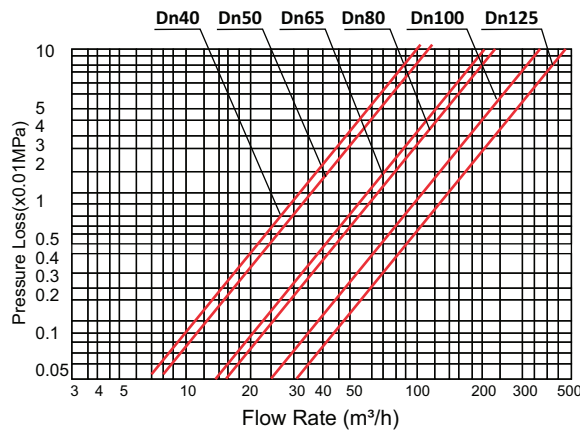
\*Different Flange Standard for selecting such as: ISO 7005-2: 1998(E) PN10, ASME B16.1-Class125 working forB16.5-Class 150...

\*Different Length of the Body as option:

## TECHNICAL DATA

SIZE	mm	40	50	65	80	100	125	150	200	250	300	350	400	500	
R=Q3/Q1		50	80												
Q4	m <sup>3</sup> /h	31,325	50	78,75	78,75	125	200	312,5	500	787,5	1250	1250	2000	3125	
Q3	m <sup>3</sup> /h	25	40	63	63	100	160	250	400	630	1000	1000	1600	2500	
Q2	m <sup>3</sup> /h	0,8	0,8	1,26	1,26	2	3,2	5	8	12,6	20	20	32	50	
Q1	m <sup>3</sup> /h	0,5	0,5	0,7875	0,7875	1,25	2	3,125	5	7,875	12,5	12,5	20	312,5	
Max. Reading	m <sup>3</sup>	999999.999					9999999.99					99999999.9			
Min. Reading	m <sup>3</sup>	0,0005					0,005					0,05			
Pressure Loss	P	10	16	10	10	10	16	10	10	10	10	10	10	10	
Max. Pressure	MAP	MAP16													
Max. Temperature	°C	T30 or T50													

## PRESSURE LOSS CURVE



### Max. Permission Error:

From Q1 inclusive up to but excluding Q2 is  $\pm 5\%$ ;  
 From Q2 inclusive up to and including Q4 is  $\pm 2\%$   
 for T30 and  $\pm 3\%$  for T50;

## INSTALLATION

- The water meter could be install in any position, for non horizontal positions the flow shall upwards.
- The meter shall be full of water while operation.
- Prior to installation of a meter, the pipeline shall be thoroughly flushed.
- Straight pipe section of the same diameter D as the meter, having length of 10D and 5D shall be installed upstream and downstream of the meter respectively.

