

# DHW1000

Compteur eau Woltmann  
Woltmann Watermeter  
Woltmann Watermeter



Pulse



7 Digits  
1L



Lifting rings

Cette gamme de Compteurs Woltmann est utilisée afin de mesurer la consommation de grands débits d'eau potable. Applications commerciales, industrielles ou gestion de réseaux.

This range of Woltmann water meters is used for measuring bulk flows of cold potable water. For commercial and industrial applications and distribution network monitoring.

Dit gamma Woltmann watermeters wordt gebruikt voor het meten van grote debieten van drinkbaar water. Voor zowel commerciële en industriële toepassingen alsook monitoring van waternetten.

## Caractéristiques:

- Principe de mesure du type Woltmann à hélice horizontale
- Cadran sec, transmission magnétique (Protection anti-fraude magnétique)
- Faible perte de charge.
- Totalisateur hermétiquement fermé afin de garantir une bonne lecture dans le temps
- Matériaux de haute qualité afin de garantir des caractéristiques stables et une grande longévité
- Mécanisme du compteur amovible et interchangeable
- 6 valeurs d'impulsion différentes (25L, 50L, 100L, 250L, 500L ou 1000L jusqu'à DN200, 1000L et 10.000L a.p.d DN250)
- Revêtement du corps en époxy

## Features:

- Woltmann type technology with horizontal rotor
- Dry-Dial, Magnetic drive (Resistance to exterior magnet interference)
- Low Head loss
- Vacuum sealed register to keep a clear visibility in long term service
- Mechanical parts of high quality material to ensure stable characteristics and long life span
- Removable and interchangeable mechanism
- 6 different pulsevalues (25L, 50L, 100L, 250L, 500L and 1000L upto DN200, 1000L and 10.000L from DN250)
- Epoxy powder coated body

## Kenmerken:

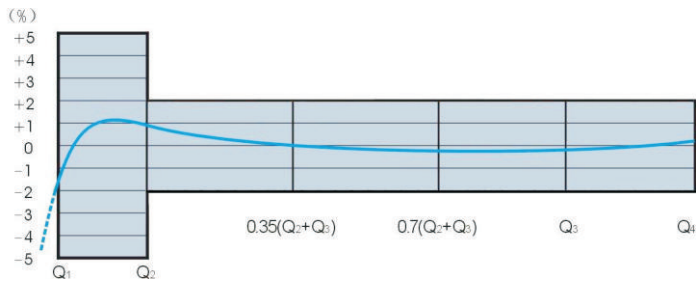
- Woltmann type meetprincipe
- Droog telwerk met magnetische overbrenging (magnetische fraude bestendig)
- Laag drukverlies
- Vacuüm verzegeld telwerk om een perfecte aflezing in de tijd te garanderen.
- Kwalitatief hoogwaardige materialen zijn gebruikt om stabiele performanties te garanderen alsook een lange levensduur
- Verwijderbaar en vervangbaar meetmechanisme
- 6 verschillende pulswaarden mogelijk (25L, 50L, 100L, 250L, 500L en 1000L tot DN200, 1000L en 10.000L vanaf DN250)
- Lichaam met epoxycoating



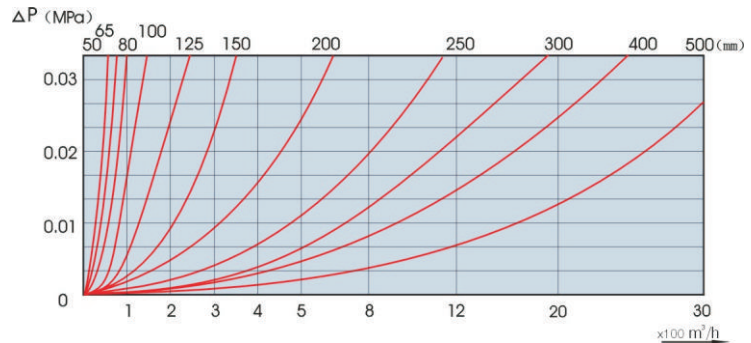
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| Woltmann Water meter       |          |      |                   |                   |                   |                    |                    |                    |                    |                    |                    |                    |                    |
|----------------------------|----------|------|-------------------|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Size                       |          |      |                   |                   |                   |                    |                    |                    |                    |                    |                    |                    |                    |
| Nominal flow               | Q3       | m³/h | 40                | 40/63             | 63                | 100                | 160                | 250                | 400                | 630                | 1000               | 1600               | 2500               |
| Meter size                 | DN       | mm   | 50                | 65                | 80                | 100                | 125                | 150                | 200                | 250                | 300                | 400                | 500                |
| Order numbers              |          |      |                   |                   |                   |                    |                    |                    |                    |                    |                    |                    |                    |
| Standard version           | R=50     |      | DHW1000-50200-R50 | DHW1000-65200-R50 | DHW1000-80225-R50 | DHW1000-100250-R50 | DHW1000-125250-R50 | DHW1000-150300-R50 | DHW1000-200350-R50 | DHW1000-250450-R50 | DHW1000-300450-R50 | DHW1000-400500-R50 | DHW1000-500500-R50 |
| Extended version           | R=80 (*) |      | DHW1000-50200-R80 | DHW1000-65200-R80 | DHW1000-80225-R80 | DHW1000-100250-R80 | DHW1000-125250-R80 | DHW1000-150300-R80 | DHW1000-200350-R80 | DHW1000-250450-R80 | DHW1000-300450-R80 | ***                | ***                |
| (*) other ratio on request |          |      |                   |                   |                   |                    |                    |                    |                    |                    |                    |                    |                    |
| Performances R=50          |          |      |                   |                   |                   |                    |                    |                    |                    |                    |                    |                    |                    |
| Minimum flowrate           | Q1       | m³/h | 0,8               | 0,8               | 1,26              | 2                  | 3,2                | 5                  | 8                  | 12,6               | 20                 | 32                 | 50                 |
| Transitional flowrate      | Q2       | m³/h | 1,28              | 1,28              | 2,016             | 3,2                | 5,12               | 8                  | 12,8               | 20,16              | 32                 | 51,2               | 80                 |
| Permanent flowrate         | Q3       | m³/h | 40                | 40                | 63                | 100                | 160                | 250                | 400                | 630                | 1000               | 1600               | 2500               |
| Maximum flowrate           | Q4       | m³/h | 50                | 50                | 78,75             | 125                | 200                | 312,5              | 500                | 787,5              | 1250               | 2000               | 3125               |
| Starting flow              |          | l/h  | 170               | 170               | 280               | 300                | 600                | 1000               | 1500               | 2500               | 6000               | 15000              | 20000              |
| Working conditions         |          |      |                   |                   |                   |                    |                    |                    |                    |                    |                    |                    |                    |
| Temperature class          | T50      | °C   | 50                | 50                | 50                | 50                 | 50                 | 50                 | 50                 | 50                 | 50                 | 50                 | 50                 |
| Pressure class             | MAP16    | bar  | 16                | 16                | 16                | 16                 | 16                 | 16                 | 16                 | 16                 | 16                 | 16                 | 16                 |
| Pressure loss class        | ΔP 10    | bar  | <1                | <1                | <1                | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 | <1                 |
| Reading                    |          |      |                   |                   |                   |                    |                    |                    |                    |                    |                    |                    |                    |
| Minimum reading            |          | l    | 1                 | 1                 | 1                 | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  | 1                  |
| Maximum reading            |          | m³   | 9999999           | 9999999           | 9999999           | 9999999            | 9999999            | 9999999            | 9999999            | 9999999            | 9999999            | 9999999            | 9999999            |

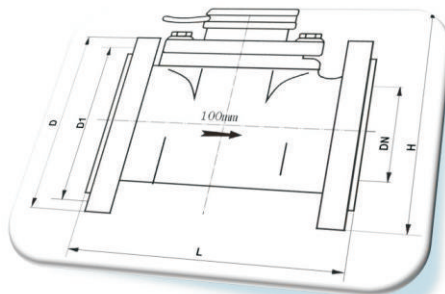
## Flow curve



## Pressure loss curve



| Dimensions           |    |    | 50    | 65    | 80    | 100   | 125   | 150   | 200   | 250    | 300    | 400    | 500    |
|----------------------|----|----|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| Lenght               | L  | mm | 200   | 200   | 225   | 250   | 250   | 300   | 350   | 450    | 450    | 500    | 500    |
| Width                |    | mm | 175   | 185   | 200   | 220   | 245   | 285   | 340   | 395    | 445    | 565    | 670    |
| Height               | H  | mm | 257   | 267   | 277   | 287   | 297   | 375   | 400   | 484    | 506    | 621    | 725    |
| Flange               | D  | mm | 165   | 185   | 200   | 220   | 245   | 285   | 340   | 395    | 445    | 565    | 670    |
| Bolt circle Diameter | D1 | mm | 125   | 145   | 160   | 180   | 210   | 240   | 295   | 350    | 400    | 515    | 620    |
| Holes ø              | M  |    | 4xM16 | 4xM16 | 8xM16 | 8xM16 | 8xM16 | 8xM20 | 8xM20 | 12xM20 | 12xM20 | 16xM24 | 20xM24 |
| Weight               |    | kg | 12    | 13    | 15    | 19    | 22    | 47    | 48    | 110    | 115    | 180    | 330    |



Reed Contact  
24VDC-50mA-100Ω  
upto DN200  
25L/50L/100L  
250L/500L/1000L

Reed Contact  
24VDC-50mA-100Ω  
from DN250  
1000L/10.000L

