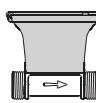






INSTRUCTIONS FOR THE INSTALLATION AND USE OF ULTRIMIS W WATER METERS



WATERMETER TYPES

Water meters with brass body Built-in radio Ultrimis W UL DN15-50  CE, MID, IP68, WM-Bus / OMS	Water meters with the composite body Built-in radio Ultrimis W UL-01 DN15-20  CE, MID, IP68, WM-Bus / OMS
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ACCESSORIES

Smartphone type device with an application and licence  Android, NFC	TestBox  Available in 433 MHz or 868 MHz in accordance with the radio version of the water meter
Application for smartphone type devices SONAR  Android, NFC	

TRANSPORTATION AND STOCK CONDITIONS

Protect against shock and vibration
Storage at temperatures above 0°C to 25°C

ESSENTIAL INFORMATION

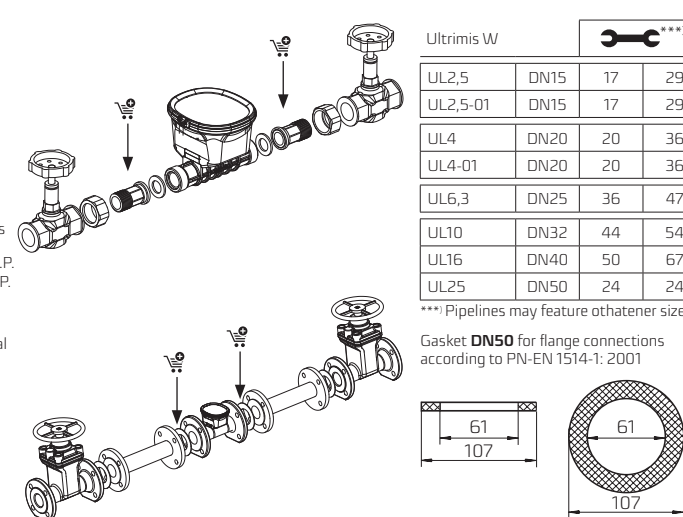
- Water temperature up to **50°C**
- Ambient temperature range **5-55°C**
- Working pressure **16 bar***
- Battery lifetime up to **16 years****
Two integrated 3.6 V DC lithium **AA** batteries
- Radio parameters: 868 MHz do **25 mW** E.R.P.
434 MHz do **10 mW** E.R.P.

*) 10 bar please contact your dealer
**) depending on the configuration and environmental conditions

Ultrimis W	***)		***)	
UL2,5	DN15	17	29	25 Nm
UL2,5-01	DN15	17	29	15 Nm
UL4	DN20	20	36	30 Nm
UL4-01	DN20	20	36	20 Nm
UL6,3	DN25	36	47	35 Nm
UL10	DN32	44	54	40 Nm
UL16	DN40	50	67	45 Nm
UL25	DN50	24	24	-

***) Pipelines may feature othatener sizes

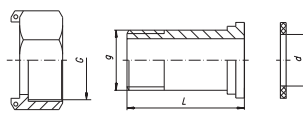
Gasket **DN50** for flange connections according to PN-EN 1514-1: 2001



COMPONENTS REQUIRED TO INSTALL WATER METERS

Couplings available from Apator Powogaz





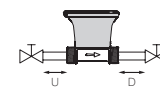
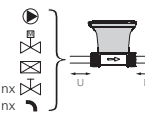

	G	g	d	L	Indeks
Set of couplings with gaskets DN 15 mm	¾"	½"	17 mm	37,5	0616-100-018
Set of couplings with gaskets DN 20 mm	1"	¾"	23 mm	45,5	0616-100-019
Set of couplings with gaskets DN 25 mm	1¼"	1"	29 mm	46,5	0616-100-021
Set of couplings with gaskets DN 32 mm	1½"	1¼"	36 mm	56,0	0616-100-026
Set of couplings with gaskets DN 40 mm	2"	1½"	41 mm	67	0616-100-020




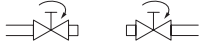
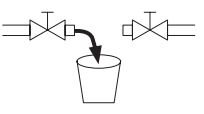
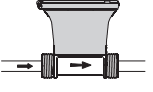
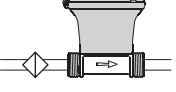
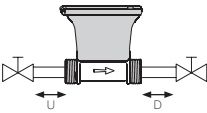
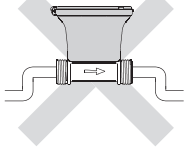
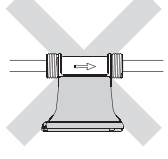
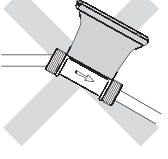
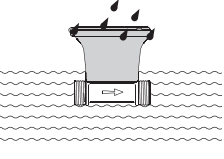
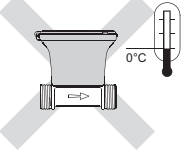
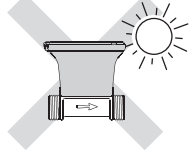
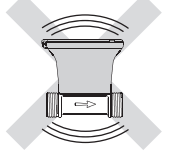
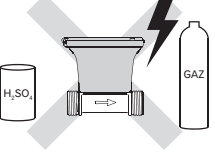
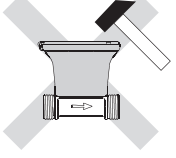
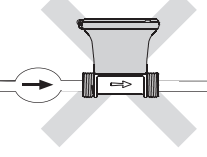
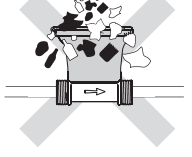

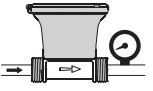

CLASSIFICATION OF ENVIRONMENTAL CONDITIONS

- Classification of the environment, climatic and mechanic conditions - **B** class according to EN - ISO 4064:2014
- Classification of the environment and mechanical conditions **M1** class - according to Directive 2014/32/EU of 26 February 2014
- Electromagnetic environments - **E1, E2** class according to EN - ISO 4064:2014 and to Directive 2014/32/EU of 26 February 2014

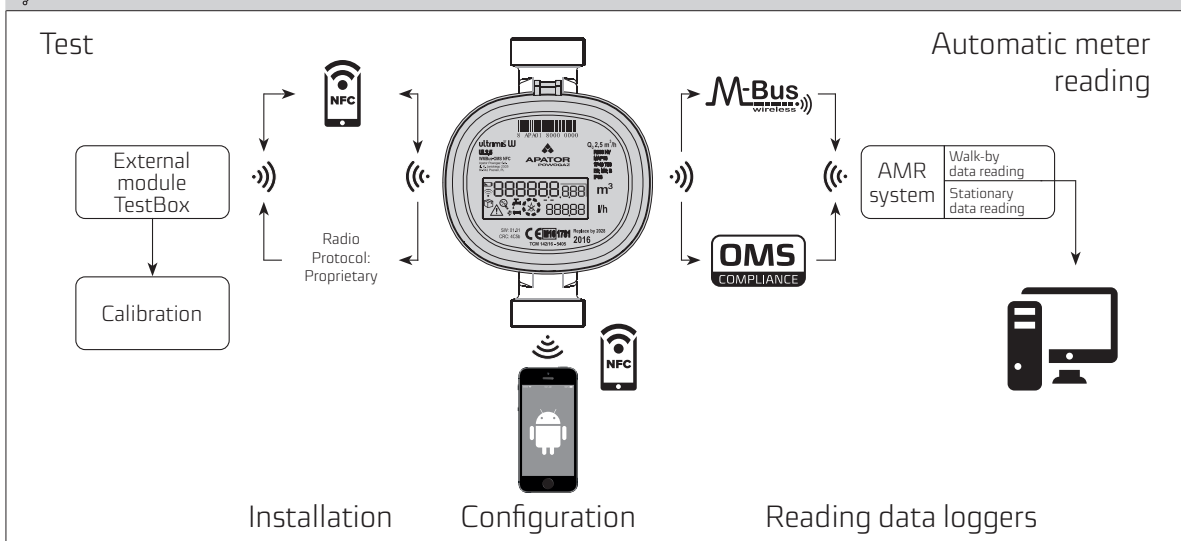
INSTALLATION POSSIBILITIES AND REQUIREMENTS

						
Ultrimis W UL, UL-01	✓	✓	✓		U0 D0	U5 D3

✂ INSTALLATION AND OPERATION GUIDELINES

 <p>Installation shall be performed by persons with authorisations related to the use of water supply and sewage networks</p>	 <p>Close all valves prior to installation/dismantling</p>	 <p>When installing/dismantling the valves, receptacle, clean the screw connection and rinse the installation in the mounting spot.</p>	 <p>Install the water meter in line with the flow of water</p>	 <p>It is recommended to install a sediment filter before the water meter</p>
 <p>Straight sections before and after the water meter should comply with the specifications listed in the table above ✂</p>	 <p>Protect from air locks, do not install at the highest point of the installation</p>	 <p>Do not install the water meter face down</p>	 <p>Protect from strain resulting from installing the water meter on non-coaxial installations</p>	 <p>Suitable to work in humid conditions or submerged as per IP68</p>
 <p>Protect from freezing</p>	 <p>Protect from high temperatures and UV radiation</p>	 <p>Do not expose to vibrations</p>	 <p>Do not use near acids, gas and electrical installations</p>	 <p>Protect from impact</p>
 <p>Protect from the hydrodynamic water hammer effect</p>	 <p>Protect from contaminants at the installation site</p>	 <p>Send damaged water meter to the service</p>	 <p>Recommended minimum pressure behind the water meter $P_{min} \geq 0,3 \text{ bar}$</p>	 <p>Do not place the used device together with municipal waste. Take it to a waste segregation point – comply with the rules of recycling.</p> <p>IMPORTANT: Detailed information on the operation of the device can be found at www.apator.com</p>

📡 AUTOMATIC METER READING



Aparator Powogaz S.A. reserves the right to modify and improve the manufactured devices without notice.

Uppgifterna gäller vid datumet för utfärdandet av detta dokument.
Tillverkaren har rätt att ändra och förbättra produkterna utan föregående meddelande.
Denna publikation är endast avsedd för informationsändamål.



KONTAKTUPPGIFTER

Postadress:
Ngenic Sverige AB
Kungsgatan 41
753 21 Uppsala

sales@ngenic.se
018 - 472 18 18
www.ngenic.se