

Paddle wheel – with no certificate of approval

The paddle wheel is a self-contained meter for the measurement of water flow in a full pipe.

The following requirements do not replace the manufacturer requirements. The manufacturer requirements are essential for the successful operation and maintenance of this device and must always be used.

However, for use of this meter under this module of the standard the following requirements must be met, as a minimum, and have been formulated from recommendations/advice in manufacturer literature and where required with input from the manufacturer.

Requirements to be confirmed by validation type	
Ongoing (revalidation) or Faulty meter (maintenance)	Section 2.0, Section 3.0

1.0 Key terms

Term	Definition
Paddle wheel	Arad IRT; Elster R1000 / R1200 (Elster Amo or Elster Kent)

2.0 Installation

- For the respective installation scenarios, the meter must be installed in a straight uniform pipe and with the upstream and downstream lengths specified in the Meter Installation Plans in Appendix D (as a minimum).
- Must only be used in a full pipe while measuring.
- Correctly sized air release valve(s) must be installed prior to the upstream length of pipe for the meter.

3.0 Maintenance

- As a minimum, the measuring insert is to be replaced every 5 years during revalidation of the meter..