

Meter Types

Fact Sheet

Two types of meters will be used to replace Dethridge wheels and other less accurate meters. The meters are: Electronic Flow Meters and FlumeGates™.

The new meters installed to supply your property will be chosen to best suit your requirements and the site. Farm Irrigation Designers engaged by NVIRP will talk with you about your water delivery requirements. The type of meters chosen will depend on several factors including:

- delivery share
- current irrigation layout
- historical water use
- future irrigation layout

Automated and manual outlets

In the past, FlumeGates™ were generally only used in an automated channel configuration and Electronic Flow Meters were used in a manual configuration with optional automation available. The modernisation program will be treating the meter type and automation as two separate matters. Outlets can be replaced with a fully automated, remote-read or on site read-only meter. The type of meter will be determined through the Farm Irrigation Assessment.

How do they work?

Automated outlets open and close without any manual operation at the site. They are controlled by the water order you enter into Watermove via a radio link. The automated outlets can also regulate irrigation flow. The electric motors at the site that open and close the outlet are powered by a battery and solar panel.

Manual outlets require irrigators to physically open, close and adjust the outlet during use. Some manual outlets will require lifting a door or winding a lifting mechanism and some will only require a simple push of the button on a control panel at the site.

Comparison of automated and manual outlets:

- manual outlets can be operated locally by the irrigator, whereas automated outlets are operated remotely by Goulburn Murray Water under the irrigators direction
- automated outlets allow an entire irrigation delivery to be programmed without intervention or adjustment
- automated outlets require customers to be accurate with their orders and modify the orders as needed to ensure their irrigation is completed as required
- automated outlets can maintain constant flows whereas manual outlets can vary depending on conditions and operation.



A 450 mm magflow meter, which can be operated automatically or manually



Foreground: FlumeGate™ meter
Background: 375 mm Magflow meter