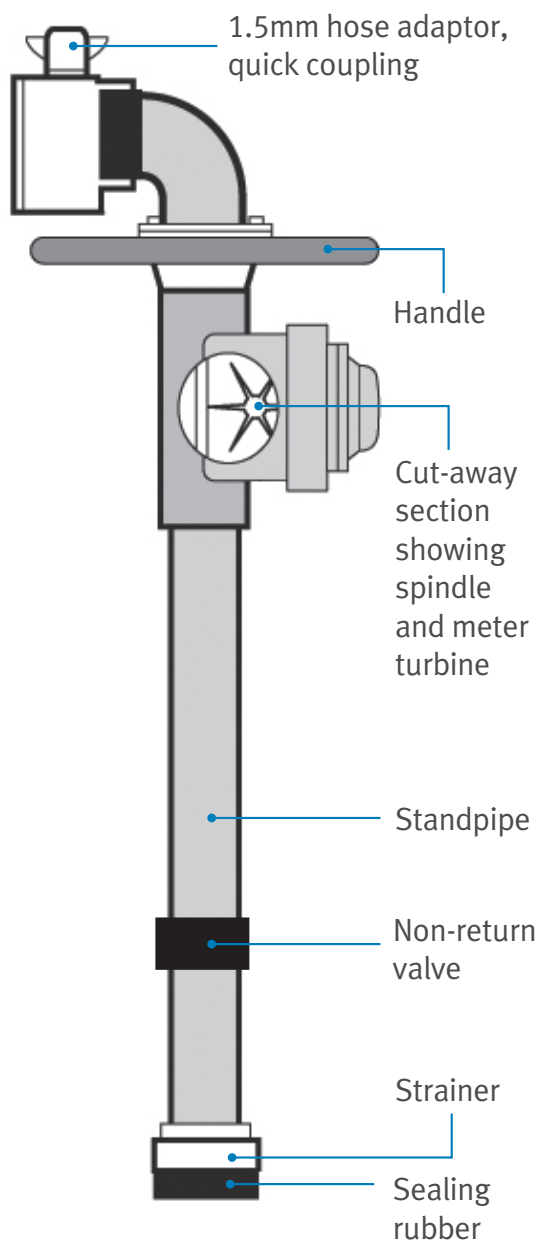


Standpipe usage guide

What is a metered standpipe?

A 65mm metered standpipe uses an aluminium-bodied turbine meter in the vertical leg of the standpipe to meter water flow rates up to 30 kilolitres per hour.

The standpipe's handles and head are aluminium and its head swivels to accommodate the lay of the hose. It is equipped with a stainless strainer and a non-return valve.



Operating instructions

1. Clear any debris from the hydrant.
2. Ensure that the standpipe is vertical and, using the handles, turn the complete standpipe in a clockwise direction until the base seals against the hydrant. Sealing is achieved using reasonable 'hand force' on the handles. Do not use a pipe to apply extra leverage.
3. Using the correct hydrant key, SLOWLY turn the spindle anticlockwise to start the water flow.

Note: Only reasonable force should be required to open the hydrant. If the hydrant does not open or has strong resistance to opening, please report it to Watercare on 09 442 2222.

- Overloading the spindle in an attempt to open a malfunctioning hydrant could damage the hydrant.
- The hydrant spindle can be turned anticlockwise to achieve the required flow rate.
- If the standpipe does not seal, it may need a new rubber washer.

Number of turns to flow: 8 to 10 turns

Note: This applies to fully functional hydrants and may therefore vary if a hydrant is malfunctioning.

4. To ensure there is no sudden drop in water pressure and to avoid settlement in watermain being disturbed, the water draw rate should be no more than 600L/minute. To determine the draw rate, please record the total volume through the meter in one minute.
5. After use, use the hydrant key to turn the spindle clockwise to close the hydrant.
 - This must be done SLOWLY to avoid pipe damage through water hammer and to assist the hydrant to reseal itself.
 - On some hydrants the closing procedure may need to be repeated until resealing is achieved. If there is leaking from connection to hydrant, this may be due to work sealing rubber.
 - If the hydrant will not shut down correctly, please report it to the Watercare on 09 442 2222.

Care and maintenance

The metered standpipes have been engineered with robust, yet simple features to ensure reliable field service. However, it is important that reasonable care is taken to avoid damage.

- The metered standpipes have been made of lightweight materials, where possible, for ease of operation and transport. They should be handled with care.
- Check and clear the strainer in the base after each operation.
- The sealing rubber is subject to wear. If worn on one side it can be reversed. Spare rubber seals can be obtained by emailing standpipes@water.co.nz