

(ABG) Above Ground Water Meter Box

- Pre-plumbed above ground water meter installation inside a polymer protective housing.
- The rectangular polymer meter box to be 770 mm (Height) X 275 mm (length) X 153 mm (width).
- The meter box lid to be manufactured from UV stabilised polymer.
- The meter box shall be a closed unit to protect the meter. The top cover shall be lockable with a tamper proof locking device which only operates with a unique Key. The lid shall be removable for shut offs and meter maintenance.
- The meter counter and meter serial number to be read through a reading slot which has a spring-loaded sliding cover insert for protection of meter counter from the elements.
- Meter box inlet and outlet connectors shall be polymer 20mm parallel female threads to accept a suitable 20mm male pipe adaptor.
- Working pressure for the complete meter box assembly - 1 600 kPa.
- The above ground meter box to contain a 15mm polymer volumetric water meter 114 mm long which is approved to Class 'C' under Section 22 of the Legal Metrology Act 2014 (Act 9 of 2014). The meter must be verified by registered Verification Officers in an S.A.N.A.S. accredited verification laboratory that is recognised as competent to carry out verification under the Code of Practice S.A.N.S. 10378: 2012.
- All internal pipe work and fittings will be 20mm Ø (OD) plastic. All joints and fittings to be fusion welded.
- All ABG meter box plumbing to be pressure tested with air pressure at a pressure of 600 kPa prior to dispatch to ensure there are no leaks.
- The meter box to have an internal high-quality plastic elbow valve fitted upstream of the meter for municipal/maintenance use. This valve to be operated with a key.
- A second S.A.B.S. approved polymer ball valve to be installed down stream of the meter for use of the consumer. This valve is to be operated by means of an external valve handle accessed on the outside of the box.
- The water meter to have an approved pulse facility capable of generating two pulses per litre for optional upgrading to Automatic Meter Reading ETC.
- The water Meter to incorporate an internal non-return valve to prevent false pulses and to prevent meter/meter box reversal.