

Application

Simple and economic measurement of groundwater level and pressures in soil and rock can be carried out using Casagrande piezometer. Typical application includes:

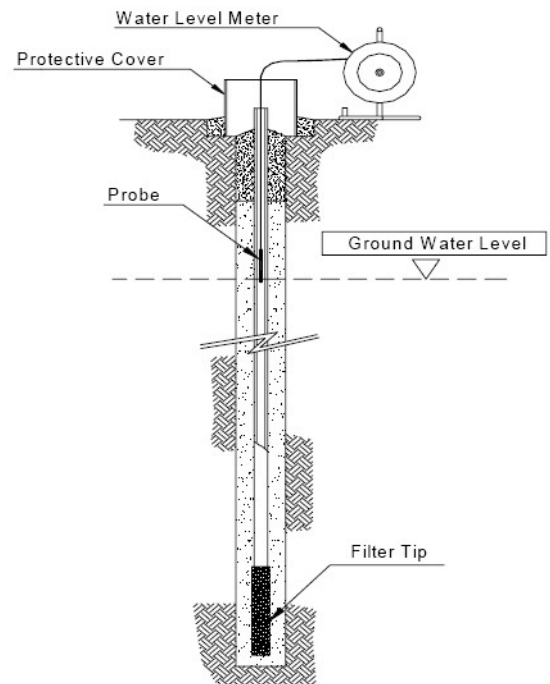
- Monitoring of Dam, Reservoir, Softground & Embankment
- Slope stability
- Groundwater levels for Dewatering & Drainage
- Groundwater sampling
- Permeability testing
- Contaminated soil monitoring

Description

Geovan Casagrande filter is made up of **Low Air Entry** porous plastic elements which are connected to standpipe tubing and lowered into a predrilled borehole. Alternative types may be driven or pushed into soft soil.

Where Casagrande piezometers are being installed then the porous element is surrounded by filter sand and a Bentonite seal placed above the response zone.

Water level measurements are normally taken using a water level meter (Dipmeter) or in the case of artesian pressure a Bourdon pressure gauge is attached to the top.



Specification

Material	HDPE
Mean pore size	40 microns Low Air Entry
Permeability	3×10^{-2} cm/sec
Diameter OD38mm	Length 400mm