

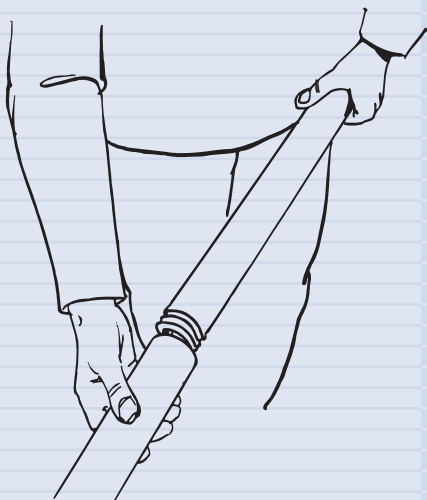


GROUNDWATER MONITORING PIPES

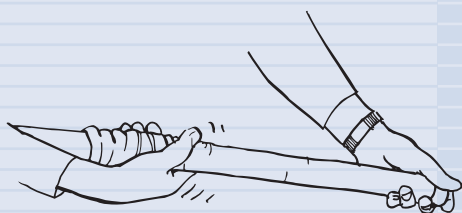
You will return to the contents of P2 WATER by clicking the pictogram

P2.01

The monitoring well pipes are screwed together for a leak-proof connection.



Filter gauze is slipped over the slotted part of the monitoring well pipe.



Traditional monitoring pipes

10.01 Monitoring well pipes & accessories

Monitoring well pipes are used to compose monitoring wells and piezometers. Monitoring well pipes are available in different materials and diameters, and are supplied in PE packaging.

All pipes have the following properties:

- Free of dust and sawdust.
- Demonstrably very low level of leaching.
- Large open surface.
- Normalized slit width (0.3 mm).

HDPE pipes with screwthread connection

These pipes cause no water pollution and provide high monitoring quality. HDPE provides satisfactory results, and it is much cheaper than Teflon. The pipes are provided with leak-proof threaded connections. The pipes are easily connected during sinking, and a smooth well pipe is realized. Suitable for deep monitoring wells.

HDPE pipes with clamping socket connections

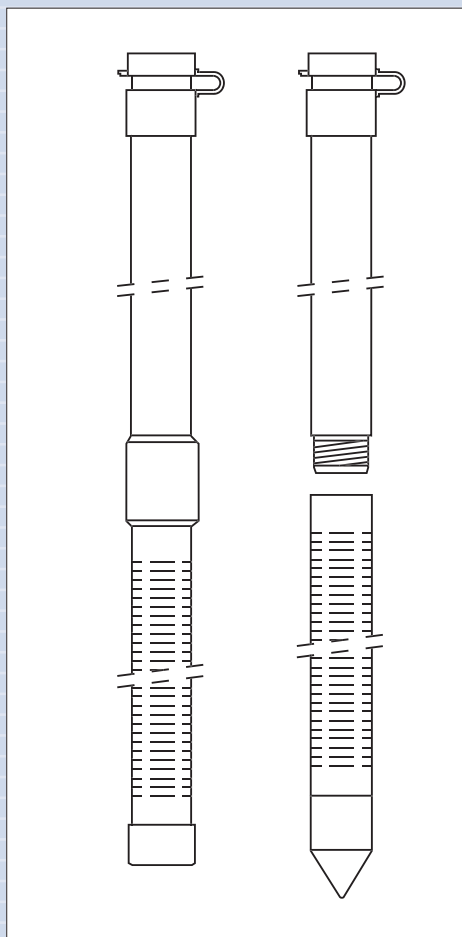
These HDPE pipes are provided with a clamping socket and have a thin wall. The pipes are suited for application in wells that monitor the first water containing layer at 6 meter at most.

PVC pipes without trace metals with connection mouths

These PVC pipes are produced with a fully organic stabilizer, causing no contamination. The pipes can be used for all organic and anorganic analysis. The pipes are provided with waterproof connection mouths, no glue is required for mounting. A sturdy slim well pipe is realized.

Accessories for well pipes

- Top and bottom caps for all pipes.
- Filter gauze from unique specially produced un-oiled yarn, used to prevent silting up.



Clamping socket and screw-thread connection



The monitoring well pipes are packed in PE bags

GROUNDWATER MONITORING PIPES

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P2.01

- Hand operated bailer boring equipment for the usual drilling of a well (see P1.02).
- Electrical percussion hammer, used for installation of small diameter wells (see P1.10).

products for application in a standard auger hole that help to reduce the complexity and the time of installation, avoid the necessity for cleaning, and improve the efficiency and the quality of the monitoring well system.

High quality prefab monitoring pipes

10.05 Quality monitoring well

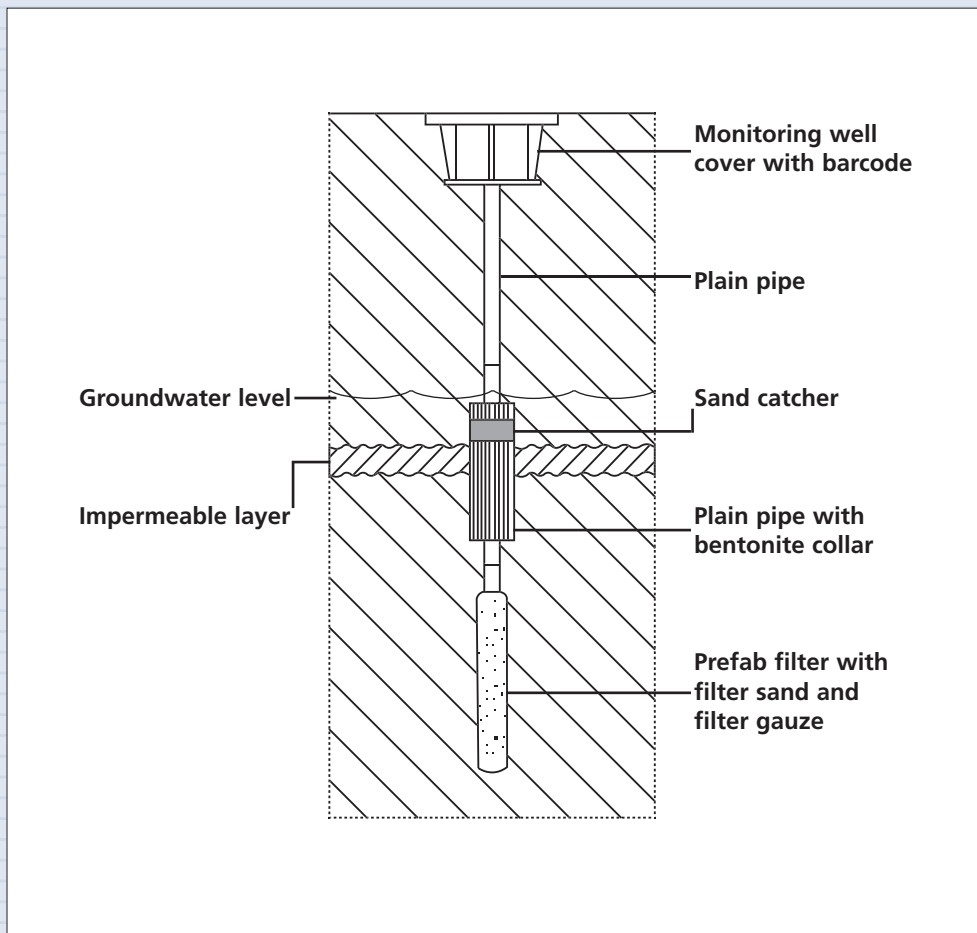
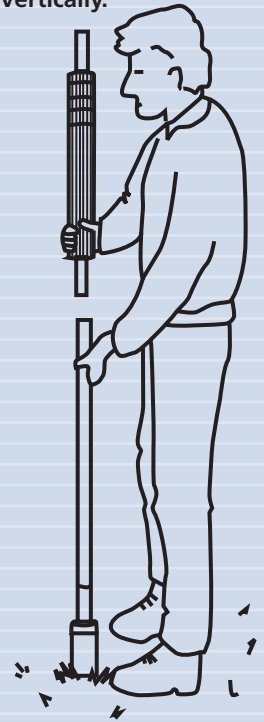
The assemblation of the filter parts and applying filter sand in a traditional monitoring well system is time spending, while storage and transportation of filter sand causes dirt and spoiling. The traditional use of bentonite in a auger hole around a well pipe often results in an insufficient sealing, as bentonite swells slowly, allowing sand to penetrate until the bore is completely sealed. An insufficiently centred filter system often causes unsatisfactory filtering and bentonite sealing. A traditional monitoring pipe system requires more cleaning as necessary, while the amount of water flowing through is affected also. Our program consists of a series of

The quality monitoring well consists of three components: a ready-to-use all-in-one filter pipe, plain pipes with bentonite collar and a sand catcher and is also available in a longer version.

Prefab filter with filter sand and filter gauze

The prefab filter consists of a filter pipe with filter sand around the perforated pipe (outside diam. max. 60 mm), fixed by a filter gauze. After installation of the filter in the auger hole, only larger soil particles are stopped by the gauze, while smaller particles are stopped by the pre-packed filtering sand. The function of the pipe slits is to stop the pre-packed filter sand only. The resulting filter is efficient, while the filter gauze

Prefab filter and plain pipe with bentonite collar are screwed together vertically.



Overview of high quality monitoring well pipe