



Equipamentos para: Solo – Cimento – Concreto – Betume – Agregados – Metalografia – Areia de Fundação – Refratários
Rua Conselheiro Carrão, 275 - Bela Vista - CEP 01328-000 - São Paulo – SP - Brasil - TEL: 55 (11)3289-0211 - FAX: 55 (11) 3289-4516
Internet: <http://www.solotest.com> – E-mail: solotest@solotest.com

Monitoring well pipes

For many forms of soil investigation many monitoring well pipes are placed. Eijkelpamp has a wide variety of monitoring well pipes in it's program.

Monitoring well pipes are used, o.a. for the determination of the water level of ground water, but also for taking ground water samples for investigations for soil pollution. The Eijkelpamp monitoring well pipes are made of materials that do not cause contamination of the water samples to be taken, such as HDPE or PVC. A specific KIWA quality mark for the market of ground water sampling guaranties the quality. Level indicator pipes come in a range of sizes.

Quality monitoring well

The quality filter is typically a Eijkelpamp product. The filter comes standard with filtersand and filter gauze. Common blind types can be screwed on top of the filter or, even better, bentonite collars. These are blind pipes of one meter length each with a fixed collar of high-quality bentonite. That's why this quality level indicator pipe claims: Never again messing around with loose filter sand and bentonite stuck halfway the borehole or coming up again when pulling the pipe. In short: more security and ease.

Bentonite

When making a borehole, normally for the placing of a monitoring well, impermeable layers are drilled through. Should the impervious character of such a layer not be properly restored, later a pollution can spread easily and for a long time into a water bearing packet that was clean before the drilling took place. The bentonite, deposited on the earths crust by volcanic activity, consists for more than 80% of Mont-Morillonite clay material. This mineral has the peculiar property that it can, in dry state, absorb up to eight times it's own weight of water. It will then be completely watertight. That makes bentonite into a cheap and relatively easy way of sealing. Because of it's natural, slightly adsorbing character, it has no significant influence on the composition of ground water. Two qualities are available: Bentonite grains with a swelling capacity of 200% (QSM) and grains with a swelling capacity of more than 800% (QSE).