

Industrial Dispersing Unit nZVI slurry manufacturing from dry powder



Industrial dispersing unit is designed for direct manufacturing of nZVI slurry from the dry nano-powder (NANOFER 25P or NANOFER STAR).

The equipment provides manufacturing capacity of 50-150 kilograms of slurry in one batch and is dedicated particularly for on-site production of large volumes of nZVI slurries applied in groundwater remediation. Earliest application of fresh manufactured material ensures highest possible reactivity and mobility of nanoparticles. It is also possible to disperse other nano-powder materials besides nZVI in various liquids.

Industrial dispersing unit is equipped with vacuum pump and inert gas inlet with automatic pressure regulation enabling to process metal nano-powders and slurries under protective atmosphere. Protective inert atmosphere prevent product degradation by air oxygen. The unit includes also a water filter and cooling device.

- NANOFER 25P nano-powder is delivered in steel containers with maximum capacity of 10kg.
- NANOFER STAR is delivered in steel cans with maximum capacity 5kg of the dry product.
- Both dry powder products are packaged and shipped according to International Carriage rules (ADR/RID, IMDG, ICAO/IATA). Notice: NANOFER 25P is refused from aircraft transportation.

