

## Industrial Dispersion Unit device for manufacturing of nanoscale Zero-Valent Iron (nZVI) slurry

Industrial dispersion unit is designed for direct manufacturing of nZVI slurry from the dry nano-powder ([NANO FER 25P](#) or [NANO FER STAR](#)).

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

Industrial dispersing unit is equipped with vacuum pump and inert gas inlet that are controlled by automatic pressure regulation, enabling to process metal nano-powder and slurry products under inert protective atmosphere. The protective atmosphere prevents product degradation by air oxygen. The unit includes also a water filter and cooling device.



### NANO FER packaging:

- NANO FER 25P nano-powder is delivered in steel containers with maximum capacity of 10kg.
- NANO FER 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: NANO FER 25P is refused from aircraft transportation.

