GNS-Supercompactor

FAKIR

Supercompactor for bulk or barreled radioactive waste

- Compaction force up to 12,000 kN
- Volume reduction up to the factor of 10 (depending on infill)
- Produced pucks fitting into 200 l drums
- Modular construction for easy modification
- Feed quality: 200 l drums (requiring optional pre-compactor as shown on photograph below), bulk waste for compaction in cartridges, FAKIR-drums
- Fully-automatic loading and unloading
- Fully-automatic puck measurement (mass, height, dose rate)
- Considerably process data acquisition for every puck
### Specifications

Supercompactor for bulk or barreled radioactive waste

- **System pressure:** max. 315 bar
- **Compaction Force:** 12,000 kN
- **Press chamber:** ø 540 mm
- **Fill length:** 1,000 mm
- **Hydraulic aggregate capacity:** appr. 3,500 l
- **Power consumption:** 120 kW
- **Electric connection:** 400 V / 50 Hz
- **Documentation:** considerably process data acquisition for every puck
- **Size (l * w * h):** appr. 10,000 * 2,200 * 5,500 mm (customizable)
- **Weight FAKIR:** 50,000 kg
- **Weight Pre-Compactor:** 12,000 kg
- **Weight Drum Overturner:** 910 kg
- **Weight hydraulic aggregate (without oil):** 3,000 kg
- **Control System:** use of failsafe S7-devices and peripherals
  variable handling by control desk and local controls
  variable parameter level by Win-CC