

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



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Specifications

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▪ 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 Overtuner:	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

