

## Turbo fillers for vacuum tankers

A turbo filler offers the advantage of achieving significantly higher filling levels than exclusive vacuum systems. In addition, the filler notably reduces foaming when handling pig slurry and, by reducing the vacuum, it also prevents vacuum induced volume increase when handling cattle slurry. This brings the double benefit of boosting filling levels and rates.

### Plenty of options

Kotte offers a choice of 6" and 8" turbo fillers to cater for every suction nozzle on the slurry tanker (Picture 1). Another option is an 8" turbo filler under the tank (Picture 2) for supply from either side through a T-fitting (connecting pipe required) or through a suction pipe (Picture 3).

Driven by an original Danfoss hydro motor, the small-diameter turbo filler leads to higher speeds and filling rates. On the other hand, the compact size of the filler does not affect the overall machine width if installed on one side of the tanker.



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**Easy retrofitting!**



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### Reliability

The use of original Danfoss hydro motors and the fact that the motor is isolated from its housing guarantee high operational reliability, because oil and slurry cannot mix in case of a defect.

### Easy retrofitting

A turbo filler can easily be retrofitted to every slurry tanker, provided the tanker is equipped with a suction nozzle. Tractor requirement is a 60-litre oil flow and a free return line.

## Benefits of turbo fillers

- ▶ achieve significantly higher filling levels than exclusive vacuum systems
- ▶ reduce foaming significantly when handling pig slurry
- ▶ avoid vacuum induced volume increase in cattle slurry
- ▶ increase filling rates significantly
- ▶ are less vulnerable to solid matter; optional cleaning flap on the side, optional cleaning outlet beneath the turbo filler
- ▶ allow for higher suction depths
- ▶ original Danfoss hydro motor
- ▶ the hydro motor is not flanged to the filler housing to avoid mixing of oil and slurry in case of a defect
- ▶ no leak-oil coupler required
- ▶ suction nozzle under the tank allows flexible filling from either side (optional combination with suction pipe) and on suction pipe
- ▶ prevents foaming, if used via turbo filler ball valve
- ▶ reduces the load on the compressor, operates on low vacuum levels



- ▶ tractor requirement: min. 60l/min oil flow, free return line, no leak-oil line required
- ▶ **option:** mechanical filler drive under tank
- ▶ **option:** turbo filler (centrifugal pump) on suction pipe end or filler hose end (Picture 4)

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