

# FLEXFILL 400

## GENERAL

Brand	Cimbria
Designation	Moduflex FlexFill
Model	400
Use	Designed for dust-free out-loading of dry bulk material.



## Technical Information FlexFill

The Cimbria Moduflex loading chute type: S400, H400, HDF400, K400 and N400 can be equipped with a FlexFill which spreads the material in the tank and also function as a closing cone. The disperser ensures a better and more efficient filling of the material recipient.

The FlexFill can be applied in connection with outlet type T for tanker truck with round tanker inlet, container or similar, and has a max capacity of 250 m<sup>3</sup>/h.

The FlexFill consists of a cone with distributor wings that are rotating with 700 rpm. The cone is placed inside the T-outlet and will not be opened before the entire outlet is lowered into the recipient. The cone is powered by a belt drive connected to a side-mounted 4 kW motor, 1500 rpm. The belt drive secures an "oil free transmission" to ensure non-contamination of the material.

The cone acts at the same time as an indicator, connected to a load relay that monitors the disperser motor, and indicates "stop matr", when the load limit is reached. A frequency inverter can be supplied as an option.

For safety reasons the FlexFill cannot be started before it has been lowered into the material recipient. This prevents that the personnel can be harmed by the rotating parts. This is ensured in a Moduflex control box where both "slack wire" signal and "outlet open" signal (inductive indicator) are given before the disperser can be started.

Also for safety reasons a timer in the control box prevents lifting the bellow for about 10 seconds after loading is completed.

The disperser is available in mild steel, AISI 304 and with full approval and certificates for location in ATEX zone 21 and 22.



FlexFill closed



FlexClose open