

FLEXSEAL

Technical information – FlexSeal

The Cimbria Moduflex loading chutes type S300, D300, F300, H300, K300 and N300 can be equipped with a FlexSeal which is an inflatable seal mounted on the chute outlet. The FlexSeal is for tanker truck loading.

The FlexSeal consists of an outlet covered with a 2 mm bonded rubber layer which inflates and in that way actively seals the chute outlet to the tanker inlet hatch.

Function of the FlexSeal

The outlet with the FlexSeal is lowered into the tanker truck and rests on the tanker inlet hatch. The conical construction of the tanker outlet ensures a tight connection at any time between the chute outlet and the tanker truck hatch. By pushing the “matr. Start” button, the air to the outlet is opened and the FlexSeal inflates and by that actively seals the outlet. Once the inflation is achieved, a timer signals material start. When the loading process is over, the air pressure is turned off and the FlexSeal is automatically deflated. As a safety procedure, the chute outlet cannot be hoisted until the FlexSeal is completely deflated.

A pressure relief valve mounted on the outlet ensures that the pressure will not exceed 0,21 bar.

The air pressure equipment handles external air pressure connection within 2-8 bar.

Availability of the FlexSeal:

The FlexSeal can be used when the loading chute is equipped with a FlexFill, a FlexClose or a TH-outlet.

The FlexSeal is available in AISI 304 with a 2 mm remaline 155 rubber, foodstuff approved by FDA.

The air pressure equipment is standard available for use in areas either without ATEX zone classification or with zone 22 classification.

The FlexSeal is designed to fit tanker inlets from Ø450 to Ø550.

