Reference Sheet 300.45

Loading chute S300MSYU/11 P300H2000

Type of project:	Open and closed loading of malt into rail wagons and open trucks
Scope of supply:	2 loading chutes and 2 FlexPositioners
Capacity:	150 – 250 m³
Client:	Mega Mänty / Raisio Malt Ltd., Finland
Year:	2008

Detail Information

The Finnish company Raisio Malt Ltd. in Finland needed loading equipment for outloading malt into rail wagons and open trucks.

The solution was two Moduflex loading chutes of the type S300 with 11 modules which give the chutes an extended length of 4117 mm. To minimize the risk of dust explosions the chutes are supplied with antistatic strips on the chutes and earth cable alongside the loading chute.

The chute is equipped with a multi outlet which is a combination of the tank outlet and the flat outlet i.e. the outlet is equipped with both an outlet cone and a dust skirt. For open loading the dust skirt is lowered and for closed loading the skirt is raised and fastened on the fittings on the two grips.

The chutes are equipped with capacitive indicators for level control. The loading process will be stopped when the material reaches the indicator in order to prevent the tank from being overfilled. During the open loading the level indicator ensures continuously hoisting of the chute head as the loading progresses.

The loading chutes are situated on the factory area where the railway track curves. In order to compensate for the curve, the loading chutes are fitted on positioning units which makes it possible for the operator to manoeuvre the chute directly above the material recipient.

The positioning units are of the type P300H2000 which each has a total horizontal travel length of 2 metres i.e. 1 metre from centre point. The FlexPositioner inlet is manufactured in Hardox 400.

Both loading chutes and positioning units are controlled by via a wireless remote control. A screen on the remote control allows the operator to monitor the loading rate and total loaded quantity continuously.