MACTENN PRODUCT RANGE

MINIMAXFLO®

The MiniMaxflo® is a sensible altenative to high material conveying systems, such as lean-phase and medium-phase pneumatic conveying systems. High efficiency material transfer without material degradation is achieved in a very compact, low cost system. This is a perfect choice for low transfer rate requirements for fragile and abrasive materials.

MAXFLO®

The ultimate system for handling difficult-to-convey materials and hot, abrasive and wet materials, or for providing gentle handling of products to prevent degradation of friable materials or separation of blended materials.

SUPERMAXFLO®

The SuperMaxflo® achieves a solid dense phase conveying regime for very low material velocities, with little or no degradation of the most fragile materials, such as food products.

MACPUMP® & VARIFLO®

The Macpump® conveys high capacities over great distances. It is capable of conveying materials such as cement, lime and fly ash at rates of 250 t/h up to distances of 2,000 m.

The Variflo® is a continuous transfer system for longer distances and rates in excess of the Maxflo® range.

MAXSANDFLO®

Designed specifically for dry sand conveying, MaxSandflo® is based on proven dense phase pneumatic principles. Air introduction, simplified system controls, and top discharge have been designed specifically for this use. MaxSandflo® can be manufactured without custom modifications and sold “off-the-shelf” for fast, easy installation.

MULTIASHFLO®

Designed specifically for conveying hot, abrasive ash, MultiAshflo® conveys bottom ash, clinkers or fly ash from fluid boiler beds, baghouses or electrostatic precipitators at temperatures up to 350 °C. It may be arranged in multiples of one to 10 units in a single line. It uses about 50 % less power than existing fly ash conveying systems.

MACTENN INFLATEK® VALVE

Mactenn Inflatek® Valves are fitted to all the Mactenn dense phase pneumatic conveying systems.
Used in a variety of applications in almost every process, the Mactenn Inflatek® Valve enables continuous reliable operation, where conventional valves fail to perform.
Other benefits include

- continuous wear compensation when handling abrasive materials or operating under high pressure differential.
- inflatable seal provides compensation throughout temperature range of 0 °C to 350 °C.
- closes and seals through packed material.
- seal protection by cleaning ring removing particles adhering to the dome surface.
- drive options include automatic double acting actuators.
- reliability – heavy duty valve rated for hundreds of thousands of cycles between inspections in approved applications.

The Mactenn Inflatek® inflatable seat valve is an innovative departure from the traditional valve seat approach to achieving sealing efficiency and acceptable valve seat life. It is unique in its ability to close and seal through a moving column of material.

Standard Options

Size Options:	50 mm to 400 mm
Design Temperature:	100 °C to 350 °C
Design Pressure:	7 Barg.
Flanges:	PN 16, PN 10 or ANSI 150
Construction:	Cast Iron A278, Stainless Steel 304/316.

Non-Standard Options

Size Options:	To 1,100 mm
Design Temperature:	<600 °C
Design Pressure:	To 43 Barg.

PRESSURE TIGHT SEALING

The inflatable flexible seats entrap particles that are normally the cause of seat erosion. Particles are induced to move across valve seats under the influence of pressure differentials on either side of the closing member. Entrapping particles within a flexible face during the period of valve closure, prevents particle movement and considerably reduces valve seat wear. Inflatable seats allow automatic wear compensation. The seal is easily removed for inspection.