

Solids handling pump KOS 740

Compact and powerful

Requirements:

Market requirements call for a favourably-priced and robust piston pump with low life-cycle costs. With these requirements in mind, this piston pump is designed to extend the range of the conventional piston pump to smaller-scale applications.

In terms of design, the KOS 740 piston pump has the same features as its „big brother“, e.g.:

- Working pressure up to 6 MPa (60 bar)
- Wear parts made from austenitic manganese steel
- The hydraulic and delivery cylinders come from the high volume production

The KOS 740 is used successfully for applications in which delivery rates of up to 10 m³/h for paste-like material are required, for example refuse-derived fuels for the cement industry.



KOS 740 in biogas plant in Schlitters/Austria



Oil sludge



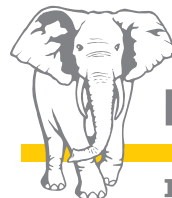
Sewage sludge



Bio waste

Other areas of application for the KOS 740 include:

- In sewage treatment plants, for conveying mechanically dewatered sewage sludge from wire presses and centrifuges with a solids content of up to 25 % and a proportion of inorganic material (e.g. sand) of up to 60 %
- For conveying biomass for methanation: This biomass contains a considerable proportion of foreign bodies, such as shards of glass, bone fragments and pieces of metal. Thanks to the S transfer tube technology, these foreign bodies do not present a problem for the KOS 740.
- In the cement industry, the KOS 740 is used for conveying refuse-derived fuels. These sludges are usually mixed with solvents. Because the KOS 740 piston pump can work „fully hydraulically“, it can pump this type of sludge without any further measures being necessary.



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