

# nrw-Anlagentechnik ASF 400

screw separator

## Use:

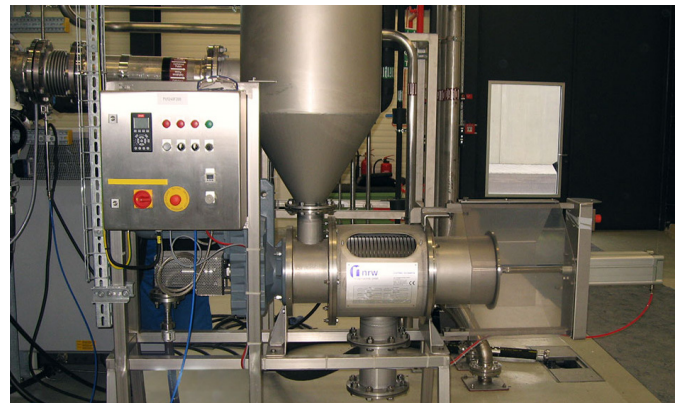
The filtration / separation, storage or removal of highly viscous liquids often entails substantial costs. Clearly the same goes for waste water with a high solids content.

ASF400 screw separators reliably filter these liquids and provide for a highly efficient dewatering. They are supplied comple-

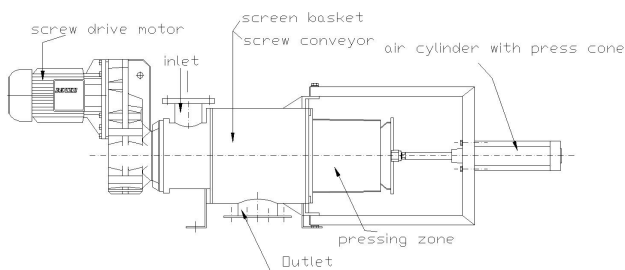
tely assembled ready for operation and are delivered ready for connection after they have undergone a test run at our plant. Customers are welcome to join us for the commissioning of their equipment at our premises and a subsequent plant tour.

## Your benefits:

- Compact, simple, all-stainless-steel machine
- Excellent separation performance even with flotation sludges
- Simple cleaning and easy changing of wear parts
- Exceptionally high screw service-life
- Low screw speed (5 to 24 rpm)
- Low noise
- Easily transportable for mobile use



## Design:



The central element of the ASF 400 series of screw separators is a screw which conveys the fluid to be dewatered from the inlet via the screen cage and into the press chamber. The press chamber is closed by means of a pneumatically operated sealing cone. A "plug", which closes the press chamber, forms here from the captured solids. The sealing cone counterpressure can be adjusted in order to achieve the required filter-press performance.

The machine is fed from the top, while the separated solids are discharged at the front and the cleaned substrate flows out at the bottom.

## Material:

Screw separators are made of stainless steel (material number 1.4301 or 1.4571) as a standard feature. The particularly wear resistant worm is made of stainless steel and carbide finished to ensure the screw's long service life even when in contact with highly abrasive media. The perforated basket can be produced with gap widths of 150-1100 microns. Custom designs that are tailored to meet your special requirements are available on request.

