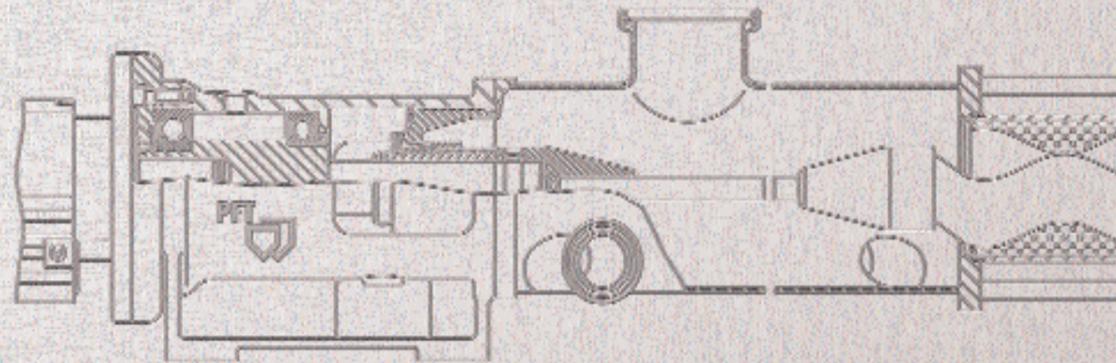


PFT ALLIGATOR



THE ECCENTRIC
SCREW PUMP FOR
THE FOOD AND
CHEMICAL INDUSTRIES



WE KEEP THINGS MOVING



PFT QUALITY

Compact Design – Innovative Technology

Thanks to its consistent modular design, the eccentric screw pump PFT ALLIGATOR opens up new opportunities for the food and chemical process technologies.

Fields of application:

- ▶ food technology
- ▶ chemical process technology
- ▶ dosing technology
- ▶ homogenizing
- ▶ gentle conveyance
- ▶ plant construction
- ▶ injection
- ▶ thick matter conveyance
- ▶ and many more.

Separate assemblies can be individually adapted to special requirements without the need to change the overall concept.

Individual solutions in all fields:

- ▶ wide variety of materials
- ▶ adaptation to existing control systems
- ▶ free choice of drive system
- ▶ flexible solution for shaft seals
- ▶ special designs with thermostat jacket
- ▶ quickly dismountable
- ▶ suitable for CIP
- ▶ low-pulsation conveyance
- ▶ high efficiency
- ▶ low life-cycle-costs
- ▶ high plant availability
- ▶ wear-optimized
- ▶ consistent design with bearing pedestal taking up axial forces
- ▶ hinged housing (for quick cleaning)

Thanks to the modern bearing pedestal design, various drive solutions are realized; the integrated cartridge system for shaft seals ensures high flexibility; also for retrofitting.

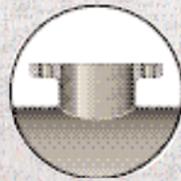
Also complete with control unit, measuring sensors and integration in process control system.

You, as our customer, and your conveying medium will always come first with PFT.



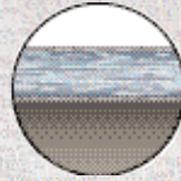
PFT ALLIGATOR

Individual solutions – flexible modular design



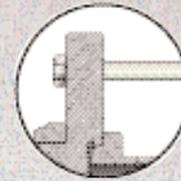
Connections

Flange connections made to customer specifications are available, e.g. DIN 2501, DIN 11851. Also with feeding hopper and preliminary conveyor screw.



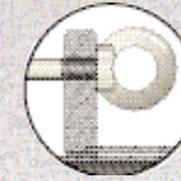
Housing

In various surface qualities. Optional: double-walled housing for temperature equalization.



Housing seals

Dead-space free design. Arrangement open to the product.



Quick-cleaning design

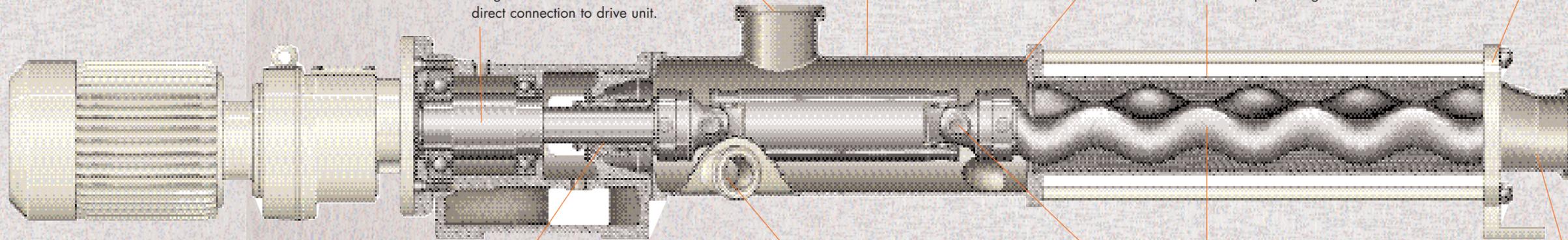
e.g. modular design.

Bearing pedestal

Bearing pedestal with integrated hollow shaft for direct connection to drive unit.

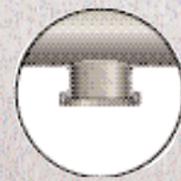
STATOR

Stator materials approved for food processing.



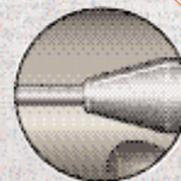
Shaft seal

Shaft seals, design open to medium, therefore dead-space free. High flexibility thanks to cartridge system.



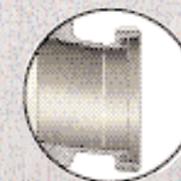
Cleaning nozzle

Cleaning nozzle in various types and arrangements for individual adaptation to CIP method, with complete emptying.



Joint shaft

Cardan shaft, optional: flexible shafts.



Pressure nozzle

Eccentric arrangement for self-emptying. Also available with cleaning nozzle.

PFT ADVANTAGES

THE MEDIUM COMES FIRST

Due to modern process technology, media of ever-increasing qualities can be produced. As a result, steady rises in product requirements are to be compensated by means of plant engineering. The gentle and hygienic conveyance of such sensitive materials has to be ensured.

So the development in process technology is more and more frequently directed towards continuous and closed processes. And this is where pumps keep things moving.

These growing demands on state-of-the-art pump technology require continuous further development in all fields.

- ▶ joint technology, ranging from cardan joints to flexible shafts
- ▶ various surface qualities realizable
- ▶ with preliminary conveyor screw for non-free flowing media
- ▶ good handling in batch operation
- ▶ self-priming
- ▶ positiv displacement principle
- ▶ standardized connections
- ▶ connection to the drive unit by means of a standard flange
- ▶ optionally as a mobile version
- ▶ additional cleaning nozzle realizable
- ▶ special housing for self-emptying
- ▶ multi-step design
- ▶ gentle conveyance
- ▶ high dosing accuracy
- ▶ conveying capacity almost independent of pressure and viscosity fluctuations
- ▶ in the immersible version, the conveying device is directly immersed in the medium

The PFT ALLIGATOR is a reliable partner for the conveyance of media sensitive to shear and loaded with solids. It has become firmly established in modern plant engineering.

We will individually adapt the design of our pump technology to your plant engineering requirements.

PFT WORLDWIDE



Master every challenge with the eccentric screw pump PFT ALLIGATOR and PFT machine technology.

PFT offers you a perfectly co-ordinated range of machines for conveying, transporting, mixing, pumping and processing.

For a wide variety of media, including sewage, cement, toothpaste, food and all kinds of slurries.

On request, PFT offers special and complete solutions, with control units and all accessories, our time-tested service and individual advice.

Everything from one supplier.

WE KEEP THINGS MOVING



Knauf PFT GmbH & Co. KG
Postfach 60
97343 Iphofen
Germany

Phone +49 9323 31-766
Fax +49 9323 31-770
e-Mail info@pft-iphofen.de
Internet www.pft.de