

NETZSCH



iFD-Stator[®] 2.0

The further development of the proven iFD-Stator[®]

iFD-Stator® 2.0

THE NEXT GENERATION

Characteristics and Components

As market leader and the world's biggest manufacturer of progressing cavity pumps we have often proven our know-how and innovation potential. Customer benefits and quality of our new products are always the highest priority.

The iFD-Stator® concept, developed in 2007, is a revolutionary breakthrough from the conventional stator design. It offers significant advantages regarding capacity, cost-savings and environmental friendliness. The iFD-Stator® has been accredited by the German Environmental Foundation (Deutsche Bundesstiftung Umwelt). With the introduction of the new iFD-Stator® 2.0 the stator can be used in an even wider range of application.

Technical Profile

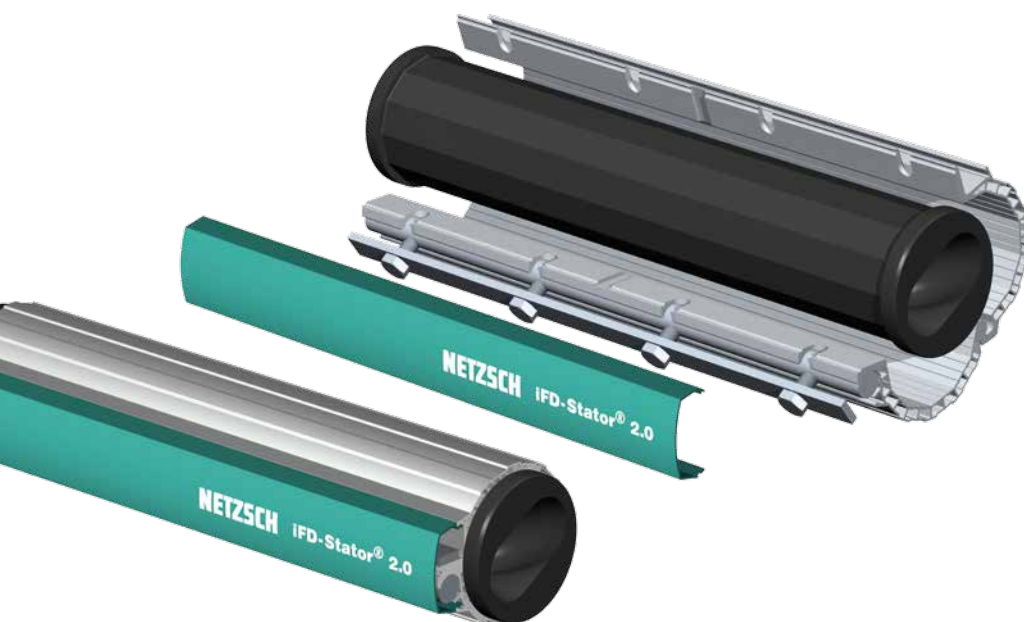
- Capacity range 0.5 to 50 m³/h, pressure up to 12 bar
- Temperature range 0 to 90°C
- 2S and 1L geometry

iFD stands for

- **I**ntegration of capacity and environmental protection
- **F**lexibility of the sealing line through the inter-relationship between the components
- **D**ual system consisting of stator and stator tube

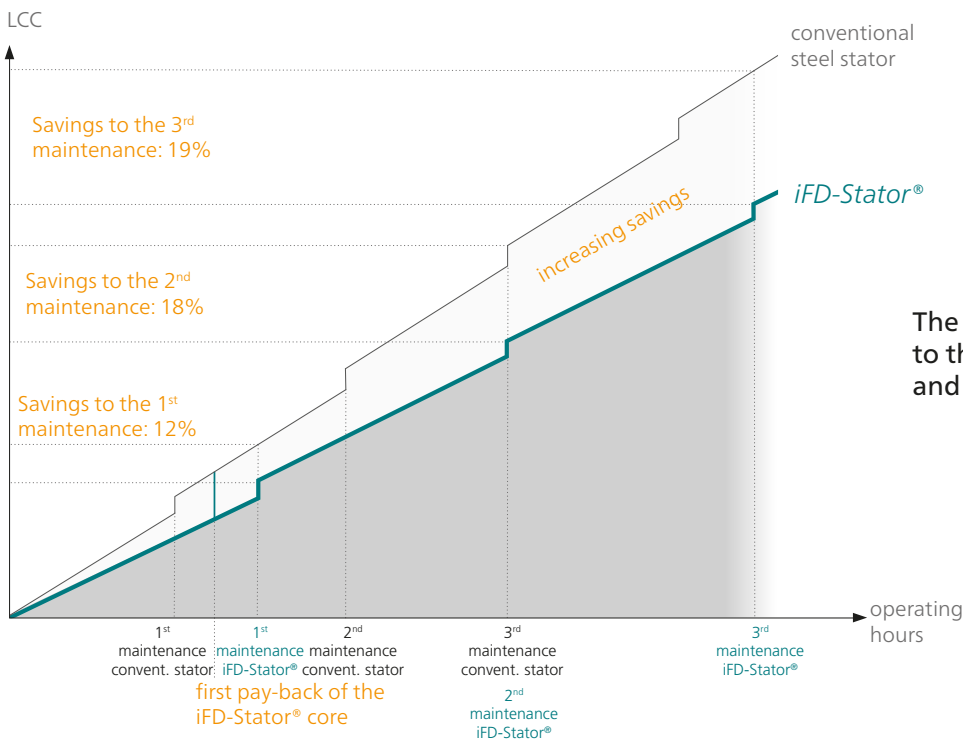
Advantages

- Compatible with all NEMO® Pumps of the NM® series due to interchangeable dimensions
- Faster stator change due to simple opening of the stator housing, without pre-tensioning
- Long lifetime, low life cycle costs, low energy costs due to reduced starting torques
- Higher degree of efficiency
- Reliable performance through robust construction, certified elastomer quality and from a modern production process
- Certified according to ATEX
- Environmentally friendly in production and disposal



Convince yourself how simple it is to replace the iFD-Stator® 2.0 by watching our video!

Pay-back within the 1st maintenance cycle



The fast pay-back is due to the savings of energy and maintenance costs.

Economy

The inter-relationship between the stator in the stator housing prolongs lifetime and reduces life cycle costs.

Life Cycle Costs

The reduced initial breakaway torque allows the selection of smaller drives which leads to the reduction in investment costs and energy consumption.

Easy to Assembly and Disassembly

The two-part housing makes assembly and disassembly of the

stator very easy and therefore the maintenance time required is reduced.

Stator Assembly

The stator can be easily slid onto the rotor. When the stator tube is fastened, the perfect compression is generated between the rotor and stator.

Reuseability


The stator tube is reusable and only the stator elastomer needs to be replaced. Therefore, the replacement of a stator is significantly less costly.

Patent

The unique and innovative design of iFD-Stator® 2.0 is registered for national and international patents.

Environmental Protection

Accredited by the German Environmental Foundation (Deutsche Bundesstiftung Umwelt) for its innovative characteristics and the diverse aspects of environmental friendliness.



The NETZSCH Group is a mid-sized, family-owned German company engaging in the manufacture of machinery and instrumentation with worldwide production, sales, and service branches.

The three Business Units – Analyzing & Testing, Grinding & Dispersing and Pumps & Systems – provide tailored solutions for highest-level needs. Over 3,400 employees at 210 sales and production centers in 35 countries across the globe guarantee that expert service is never far from our customers.

The NETZSCH Business Unit Pumps & Systems offers with NEMO® progressing cavity pumps, TORNADO® rotary lobe pumps, NOTOS® multiple screw pumps, macerators/grinders, dosing technology and equipment custom built and challenging solutions for different applications on a global basis.

NETZSCH Pumps & Systems – Solutions you can trust ■

BLUECOMPETENCE

Alliance Member

Partner of the Engineering Industry
Sustainability Initiative

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