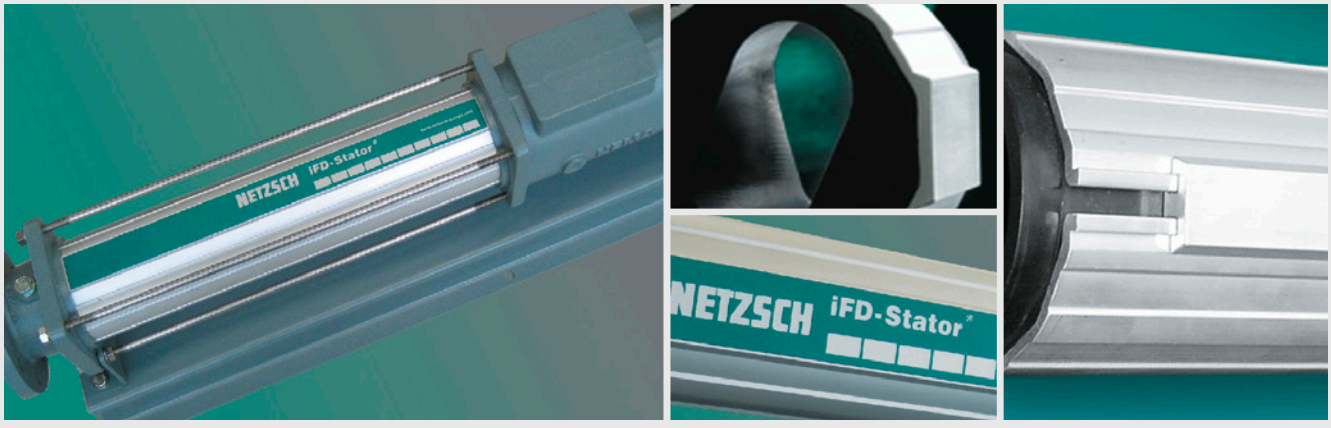
NETZSCH

Pumps & Systems

iFD-Stator®

Dual Stator System for NEMO PUMPS®



NETZSCH Pumps & Systems – Solutions you can trust

iFD-Stator® – The Dual Stator System

Characteristics and Components

As market leader and the world's biggest manufacturer of progressing cavity pumps we have proven our know-how and innovation potential again. We set ourselves the target to redefine the technological limits for progressing cavity pumps. Customer benefits and quality of our new products are always the highest priority.

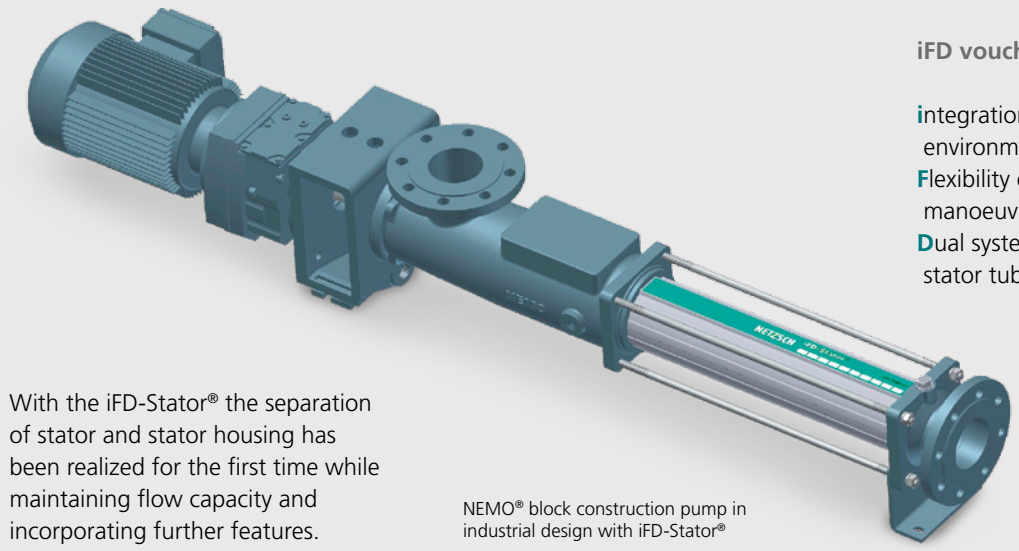
The iFD-Stator® concept is a revolutionary departure from the conventional, offering significant advantages regarding capacity, economy and environmental protection. The iFD-Stator® continues the series of successful product innovations which, over recent years, founded NETZSCH's reputation as technology leader in the pump industry. The iFD-Stator® has been promoted by the German Environmental Foundation (Deutsche Bundesstiftung Umwelt).

Technical Profile

- Capacities 0.5 to 50 m³/h
- Differential pressure up to 12 bar
- Elastomer quality NEMOLAST® S65
- S + L geometry

Advantages

- Compatible with all NEMO® Pumps of the NM® series
- Remarkably easier stator change
- Long lifetime, low life cycle costs, low energy costs
- High plant safety
- Optional adjustment to process parameters
- Reduced initial breakaway torque
- Narrow production tolerances
- Certified elastomer quality
- Environmental compatibility in production and disposal

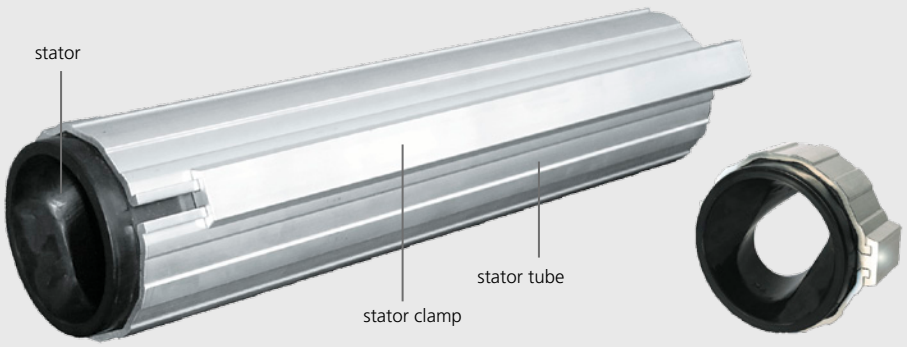


NEMO® block construction pump in industrial design with iFD-Stator®

With the iFD-Stator® the separation of stator and stator housing has been realized for the first time while maintaining flow capacity and incorporating further features.

iFD vouches for

integration of capacity and environmental protection
Flexibility of the sealing line through the manoeuvrability between the parts
Dual system consisting of stator and stator tube



NETZSCH iFD-Stator®

Seven Reasons

Economy

The local mobility/manoeuvrability of 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 and leads to reduction in investment costs and energy consumption.

Stator Assembly

During the assembly the stator is still over dimensioned and slides easily over the rotor. Optimum operating dimensions are achieved through axial compression of the stator.

Reuseabilty

The stator tube is reuseable. The problematic disposal of compound material is no longer an issue.

Stator Change

The two-part stator housing makes changing the stator quick and easy.

Patent

The iFD-Stator® is registrated for national and international patents.

Environmental Protection

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

DBU
Deutsche Bundesstiftung Umwelt

NETZSCH

NMP · 344 · 02 · 08/10 · 03 · Technical specifications are subject to change.