

NETZSCH

iFD-Stator[®] Dual Stator System for NEMO PUMPS[®]



The heart of your process. ■

iFD-Stator® – The Dual Stator System Characteristics and Components

General

As market leader and the world's biggest manufacturer of progressive cavity pumps we have proven our know-how and innovation potential again. We set ourselves the target to redefine the technological limits for progressive 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 industrial sector. The iFD-Stator® has been promoted by the German Environmental Foundation (Deutsche Bundesstiftung Umwelt).

Technical Profile

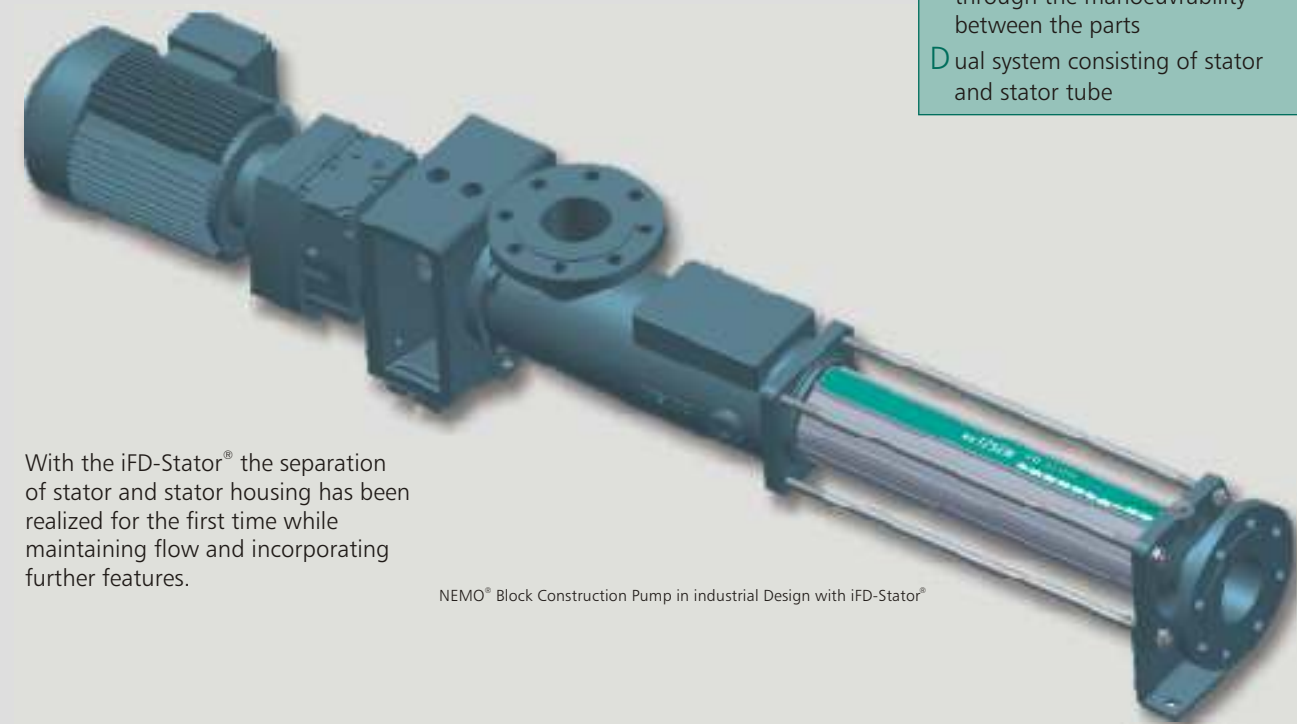
- Capacities 0,5 to 50 m³/h
- Differential pressure up to 12 bar
- Elastomer quality NEMOLAST® S65
- S + L geometry

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

iFD vouches for

- I ntegration of capacity and environmental protection
- F lexibility of the sealing line through the manoeuvrability between the parts
- D ual system consisting of stator and stator tube



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 and incorporating further features.

NETZSCH iFD-Stator®



1 Stator



2 Stator Tube

3 Stator Clamp

Eight Reasons

Economy

The local mobility/manoeuvrability of the stator (1) in the stator housing (2 + 3) 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 (1) is over dimensioned and slides easily over the rotor. Optimum operating dimensions are achieved through axial compression of the stator.

Reuseability

The stator tube (2 + 3) is reuseable. The problematic disposal of compounded material is no longer an issue.

Stator Change

The two-part stator housing (2 + 3) makes changing the stator (1) quick and easy.

Process Adjustment

With the additional option of the new regulator, the iFD-Stator® can be infinitely adjusted to varying process parameters. The simple adjustment to the ideal temperature range, working pressure and continuous wear compensation, results in a longer lifetime.

Patent

The iFD-Stator® is registered 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.

NETZSCH

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