

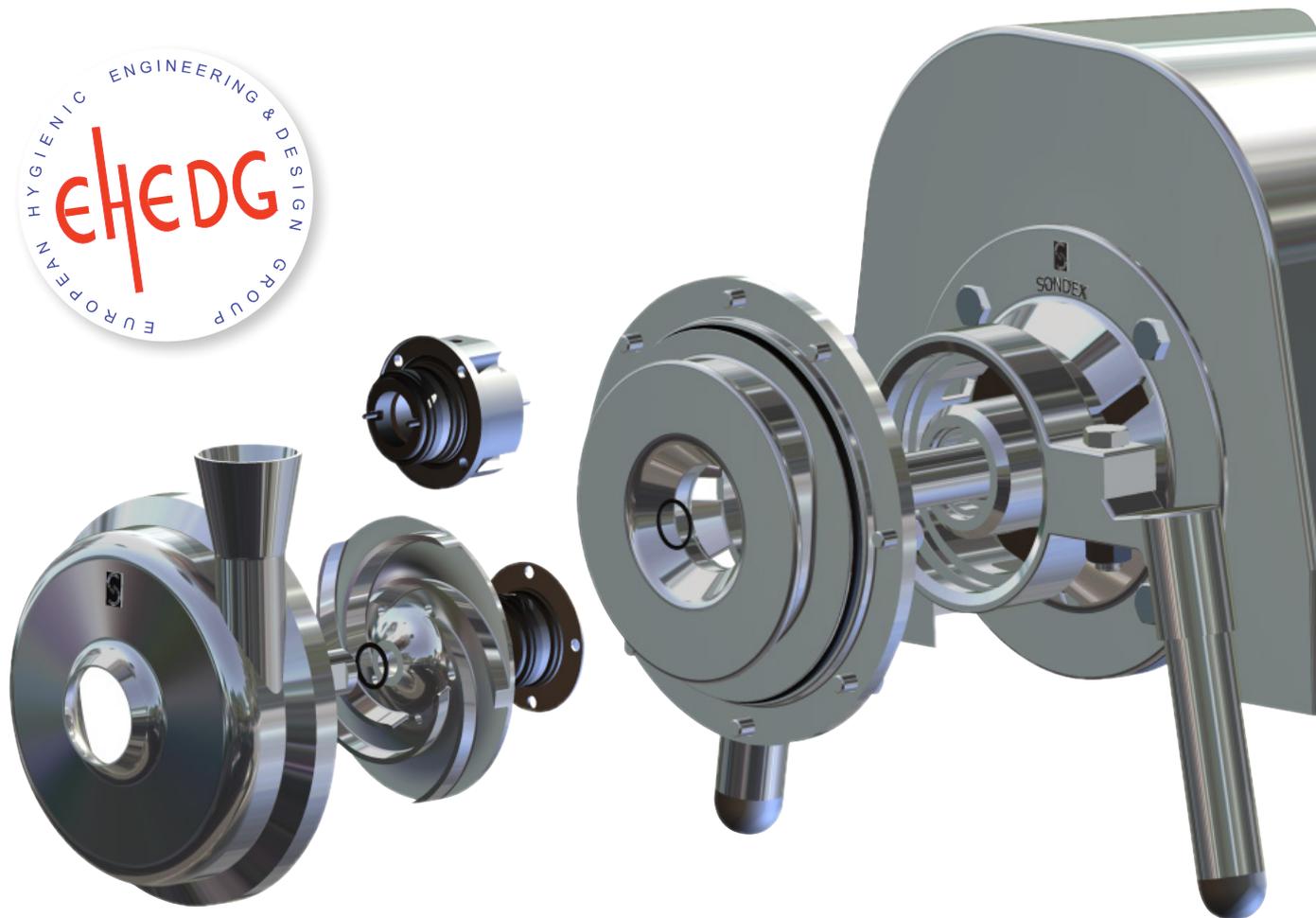


SONDEX

Sondex-FP Pumps

For Sanitary Applications





Sondex-FP Pumps for Sanitary Applications

Our centrifugal pumps are designed by the best technical engineers of the market with many years of experience. This ensures that the Sondex-FP range of pumps is the top of the art, and a surface roughness less than 1 RA. With optimized internal geometry and special o-rings, our centrifugal pumps are designed for Cleaning in Place (CIP) and offer exceptional levels of hygiene. All have been designed in accordance with EHEDG requirements.

Easy service and High-Tech Seal Design

One of the aims when designing the new range of pumps was to obtain an easy service of the pumps and this has been fully achieved. Front-loaded shaft seals and without special tools a fast and simple

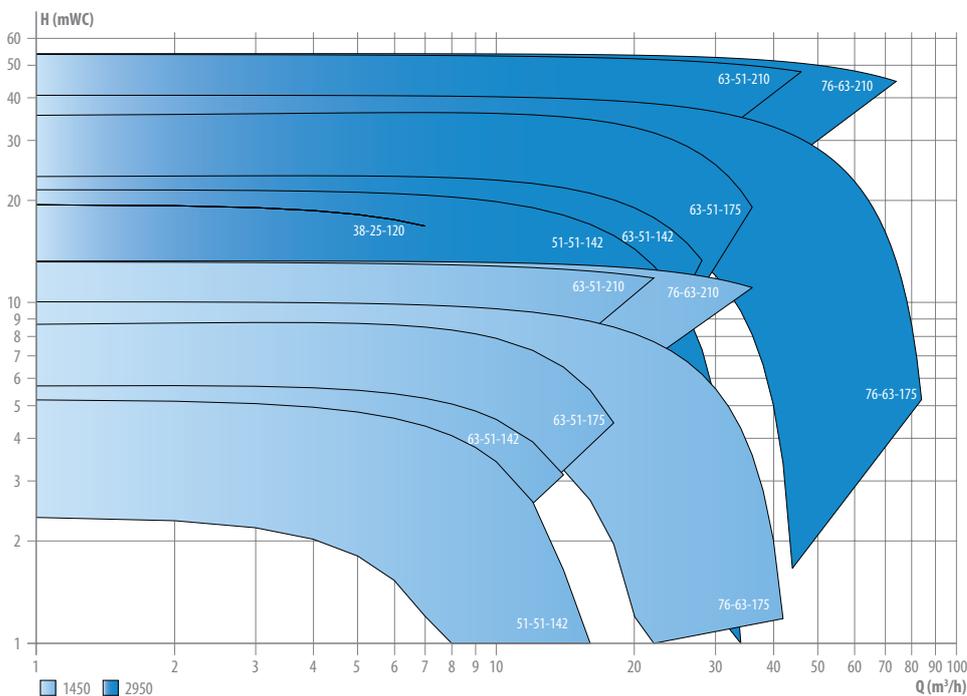
change of the seal is possible. Holes through the impeller serves to equalize the pressure on both sides of the impeller. This will minimize a surface wear of the mechanical shaft seal and the bearings in the motor.

As a special feature the supporting leg of the pump is designed to grant a perfect support during operation and a stable set-up of the pump. Before service the supporting leg is moved under the motor making the service of the pump considerably easier than for other pumps.

The seal can be a single or a double mechanical seal, in a variety of material combinations. The double mechanical seal is designed



Performance Curves - Complete Sondex-FP Range - 50 Hz with max. and min. impeller diameter



Sondex-FP Pumps can be used in the processing of many products:

- Apple juice
- Fruit juice
- Juice
- Beer
- Tomato ketchup
- Molasses solution
- Whey
- Egg Whole
- Egg Yolk
- Wort
- Yeast cream
- Yoghurt
- Milk
- Evaporated milk
- Condensed milk
- Buttermilk
- Butter oil
- Cream

as a flushed seal in case preventing the pump from running dry. To simplify the spare parts inventory our pumps share the same mechanical shaft seal. This together with the easy service reduces the maintenance costs.

Impeller and Volute Design

Our impellers and volutes are designed with the newest design tools for an optimum performance and a high efficiency. The special design of the volute ensures a gentle product handling. The volute and the back plate are designed so, that the outlet connection can be turned into any position without effecting the efficiency of the pump.

Motor Size and Flexibility

The shaft and back plate design makes it easy to change to a bigger or smaller norm. motor, if the pump duty should be changed. This makes the Sondex-FP pump the most flexible pump on the market.

Noise Level and NPSH

The Sondex-FP pump is designed with a low noise level and a good NSPH securing a good suction capacity and gentle product treatment. The risk of cavitations is minimized due to the good NSPH value. Sondex-FP pumps secures a gentle product treatment and high energy efficiency. The aim of the Sondex-FP pump range was to present the most trouble-free and hygienic pumps on the market ever.

About Sondex

Sondex is a Danish company specialized in development, production of pumps, plate heat exchangers, units and freshwater distillers. Since the very start in 1984 Sondex has grown into one of the leading companies on the world market and has one of the biggest range of plate heat exchangers known on the market today.

The complete pump programme from Sondex is in constant development and the option of supplying the market with customized solutions makes Sondex one of the most flexible suppliers.

Subsidiaries and a global net of highly educated suppliers take care of sale and marketing of our products. Sondex has daughter companies and agents throughout the world making assembling and service for our customers.

Additional Products from Sondex



Plate Heat Exchangers

Standard	Brazed
Semi-Welded	Plate & Shell
All-Welded	Spiral Heat Exchanger
Sonder Safe	Evaporator
Free Flow	Condenser



Unit Solutions

- District Heating Solutions
- Sondex Steam Units
- Sondex Solar Units
- Customized Solutions
- Aqua Hygia



Freshwater Distiller

- Single Stage
- Multi Stage



Sondex A/S
Jernet 9
DK-6000 Kolding
Denmark

Tel. +45 76 306 100
Fax +45 75 538 968
Fax +45 75 505 019

info@sondex.dk
www.sondex.net

