



We Help You Make A **Difference**



ANNUAL CATALOG

INDUSTRIAL PRODUCTS

REV.
FIFTH EDITION
PUMTEC

www.pump-tec.net

A Major Participant in Specialized
Firefighting & Water Sewage
Exhibitions



FIREX



Egypt
Energy



Watrex
Expo

FireSec
Expo



The background of the image shows industrial machinery, possibly a pump or motor assembly, with various pipes, valves, and electrical components. The entire image is covered with a semi-transparent blue overlay. The text 'Welcome' is written in a white, elegant script font, centered horizontally and positioned in the middle of the frame.

Welcome

HAPPY TO SERVE YOU!

The background image is a high-angle, blue-tinted photograph of an industrial facility. A worker wearing a blue uniform with reflective white stripes and a yellow hard hat is positioned in the lower center, working on a large, complex industrial pump system. The pump has various pipes, valves, and a large cylindrical component. The floor is made of metal grating. The overall scene is industrial and technical.

Pumptec was founded in 2003

with a simple philosophy in mind: build durable, high-quality pumps that work as hard as our customers.

We at Pump-tec supply, erect, and test several types of pumps (look to agencies) I.e. submersible wastewater, centrifugal pumps, fire fighting set, deep well pumps, self-priming pumps, HVAC pumps, and booster set, and our target is not only supplied high quality pumps but also a reliable system.

Since 2003, Pumptec ' human assets have more than 23 years of accumulated diversified experience and capabilities in national and international Pumps projects that have driven to success, and we look forward to this team to complete our success story in the kingdom of Saudi Arabia and the GCC countries

Osama Elmondy

S-WP PUMPS

DANPUMPS S-WP0

The smallest wastewater pumps - very efficient for low volume.

- Connection up to DN80
- Flow rate up to 68 m³/h
- Double mechanical seal
- Insulation class H motor



Model:

- S-WP0-37
- S-WP0-50
- S-WP0-65

DANPUMPS S-WP1

Our small range pumps, designed for a high flow rate combined with medium pressure.

- Connection up to DN80
- Flow rate up to 68 m³/h
- Double mechanical seal
- Insulation class H motor



Model:

- S-WP1-70
- S-WP1-80
- S-WP1-100

DANPUMPS S-WP2

Our middle range pumps, designed for a high flow rate combined with low pressure.

- Connection up to DN150
- Flow rate up to 380 m³/h
- IE3 motor class F, optional as class H, up to 11 kW 50 Hz and 12.6 kW 60 Hz
- Through let up to 100 mm



Model:

- S-WP2-80
- S-WP2-100
- S-WP2-150

DANPUMPS S-WP3

Also a middle range pump, designed for a high flow rate combined with high pressure.

- Connection up to DN150
- Flow rate up to 600 m³/h
- IE3 motor class F, optional as class H, up to 22 kW 50 Hz and 23.5 kW 60 Hz
- Through let up to 100 mm



Model:

- S-WP3-80
- S-WP3-100
- S-WP3-150

S-WP PUMPS

DANPUMPS S-WP4

A large range of pumps, designed for a high flow rate combined with high pressure.

- Connection up to DN300
- Flow rate up to 1600 m³/h
- IE3 motor class F, optional as class H, up to 65 kW 50 Hz and 75 kW 60 Hz
- Through let up to 130 mm



Model:

- S-WP4-100
- S-WP4-200
- S-WP4-300
- S-WP4-150
- S-WP4-250

DANPUMPS S-WP5

The large range pumps, designed for a high flow rate combined with low pressure.

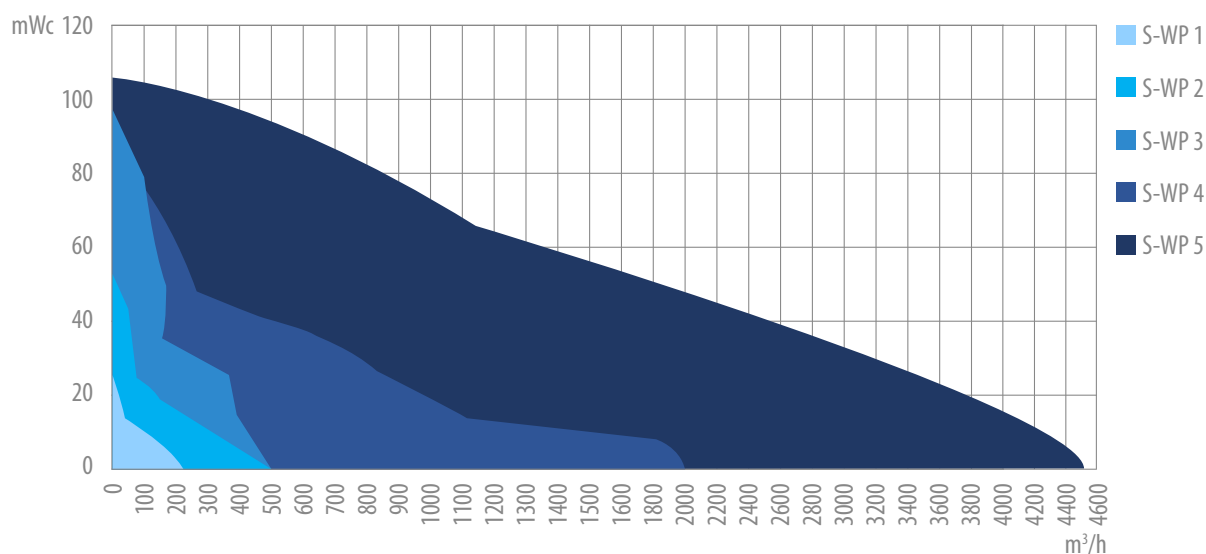
- Connection up to DN400
- Flow rate up to 4000 m³/h
- IE3 motor class F, optional as class H, up to 200 kW 50 Hz and 230 kW 60 Hz
- Through let up to 100 mm



Model:

- S-WP5-100
- S-WP5-200
- S-WP5-300
- S-WP5-400
- S-WP5-150
- S-WP5-250
- S-WP5-350

S-WP Pump Curves:



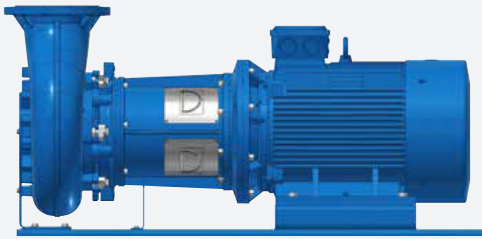
Features for all pumps:

- Channel, vortex and B-tween impeller
- Overheating and moisture protection
- Double mechanical cartridge seal*
- For dry installation closed cooling jacket is a standard option*
- Adjustable wear ring*

* Does not include S-WP0

DANPUMPS S-WN PUMPS

HORIZONTAL S-WN PUMPS



- Easy dry installation
- The pump is on a baseplate, where sliding makes service easy
- Pump parts are easily accessible
- Suitable for almost all indoor applications due to its low headroom requirements

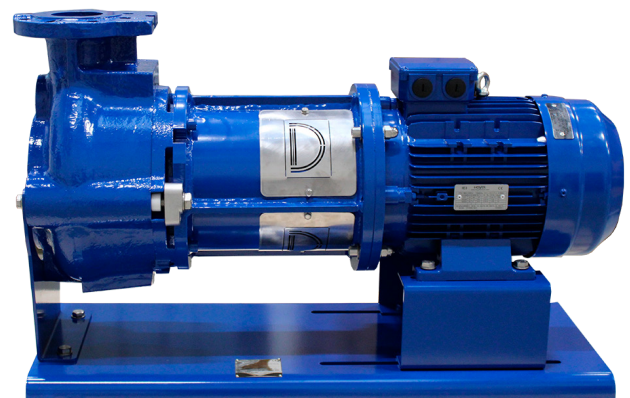
VERTICAL S-WN PUMPS

- Requires a smaller service area than a horizontal pump
- Adjustable legs which make installation easier
- Top pull-out construction, easy access to the pump parts and easy removal of the motor
- Easy disassembly when making service by crane

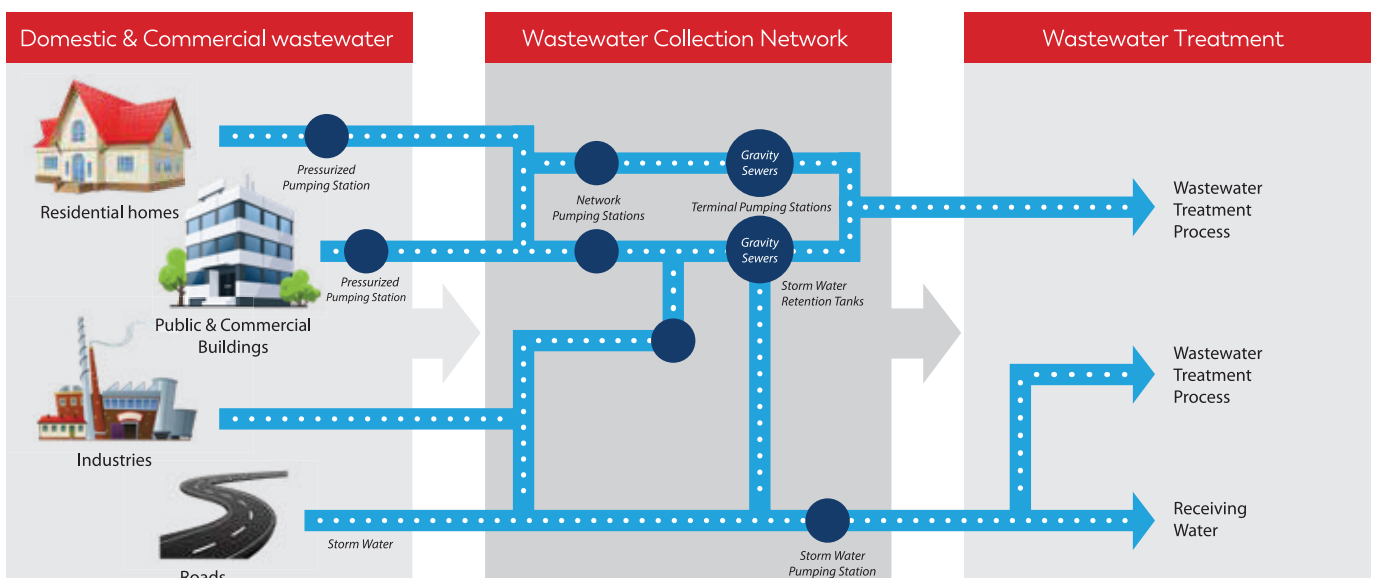


Features:

- All impellers fit in the same volute
- Cartridge seal
- High-efficiency motors from well-known suppliers
- Easy maintenance
- Dry-installed, therefore no risk of contamination
- No need for entry into pump stations
- Easy removal of the motor without disconnecting the pump
- Good service access to pump suction side
- Built-in frequency converter up to 22 kW



Wastewater collection process:



The design of the S-WN pump is a combination of high efficiency, intelligent design and practical features.

of the pump while at the same time reducing the carbon footprint,

motors – it gives you a user-friendly pump with a long-life cycle.

The motor and hydraulics of the S-WN pump create a great pump reliability and high pump efficiency, which r

- Reduced risk of overflows
- Reduced risk of interrupted service
- Reduced breakdown costs
- Reduced maintenance costs

- 

- 

- 

-

- Vortex impeller made of AISI 316 stainless steel

Pump Housing, Base Elbow, Sealing Housing

Grey Cast Iron
GJL-250 (GG25)
A-48 Class35

Impeller (cast iron), adapter

Ductile Cast Iron
GJS-400-15 (GGG-40)
A536 GR 65-45-15

Stainless Impeller (option)

Stainless Cast Steel
W.Nr.1.4401 / AISI 316

Shaft

Stainless Steel
W.Nr.1.4057 / AISI 431

Seal Sleeve, Screws

Stainless Steel
W.Nr.1.4301 / AISI 304

O-rings

Nitrile/ NBR

Oil

Mobil DTE 24
Premium Hydraulic

Mechanical Seal

Media Side: SIC/SIC
Cooling Side: SIC (Carbon)

Motor

Hoyer /IE3 / Class F
Optional as class H

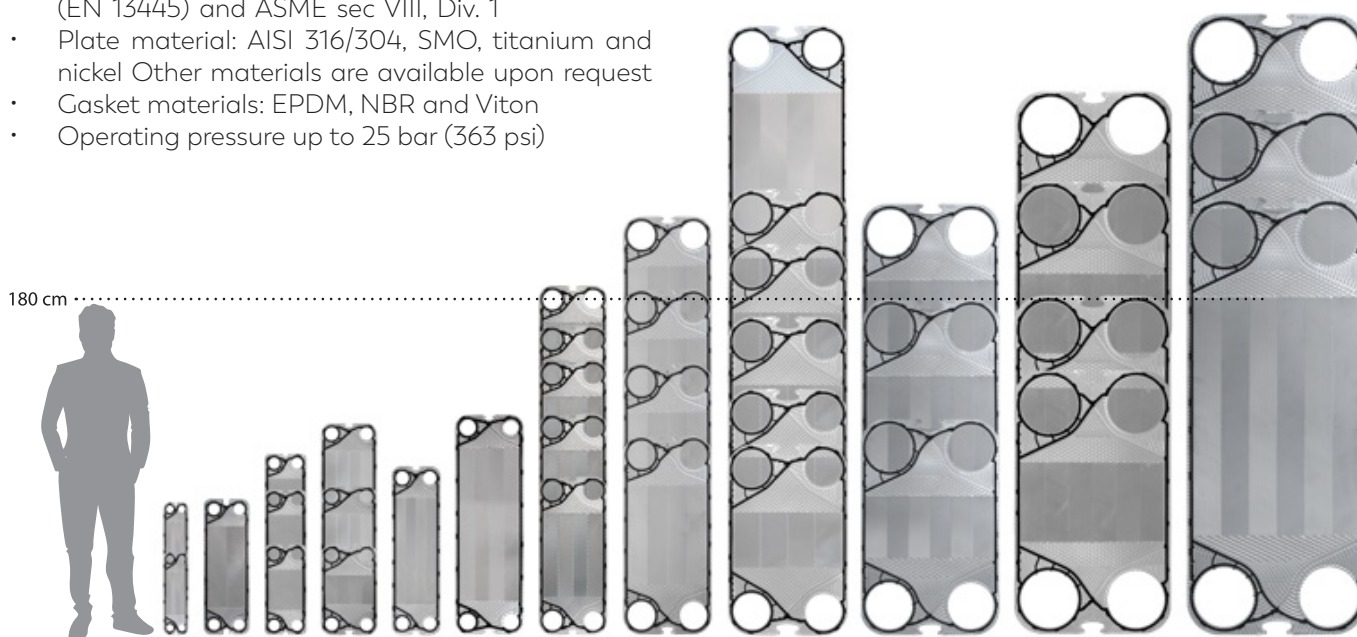
A COMPREHENSIVE PLATE PROGRAM

FOR OPTIMAL PERFORMANCE

Plates are available in various pressing depths, chevron pattern angles, and corrugation shapes, designed and selected to deliver optimal performance. Each product range has unique plate features tailored for specific applications..

Specifications:

- Connections from DN 25 to DN 500
- Frames designed according to PED 68/2014/EU (EN 13445) and ASME sec VIII, Div. 1
- Plate material: AISI 316/304, SMO, titanium and nickel Other materials are available upon request
- Gasket materials: EPDM, NBR and Viton
- Operating pressure up to 25 bar (363 psi)



1 Plate Reinforcement For Carrying and Guiding Bar:

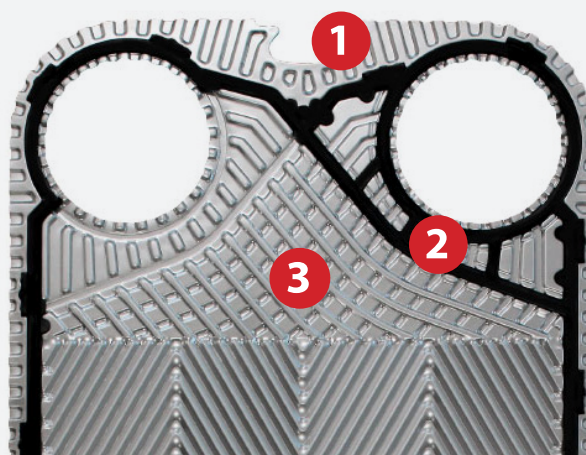
- Ensures problem-free service of the plate pack
- Prevents misalignments of the plate pack

2 Dual Internal Seals:

- Prevent fluid leakage

3 A Short Design of the Inlet Area:

- Provides an optimal distribution of the fluid over the entire heat transfer surface
- Enhances heat transmission efficiency



A COMPREHENSIVE PLATE PROGRAM

FRAME CONSTRUCTION

SonFlow's plate heat exchangers are constructed to be extremely sturdy and with a robust structure. We offer different frame designs depending on the task and size of the plate heat exchanger.

Our frames are designed to provide easy access for inspection, maintenance, and cleaning, including CIP-cleaning. With our frames, these tasks can be carried out smoothly and quickly, minimizing downtime and increasing productivity.



TRADITIONAL PLATE HEAT EXCHANGERS

Efficient and Reliable for Standard Duties

SonFlow's traditional gasketed plate heat exchangers are the ideal choice for a wide range of applications across various market segments. Featuring innovative technologies and intelligent design, our traditional plate heat exchangers are an excellent investment and the preferred choice for standard duties.

Our plate heat exchangers are engineered to meet specific temperature demands and capacities, making them ideal for HVAC, industrial, and hygienic applications.

CUSTOMIZED FOR YOUR NEEDS

We customize each heat exchanger to meet your exact requirements. The versatile design and high thermal efficiency make them the perfect solution for a wide range of applications. Trust SonFlow to provide tailored, high-performance heat exchange solutions for your specific needs.

TRADITIONAL BENEFITS:

- Lower operating costs
- Cost-effective
- Easy assembly
- Increased energy efficiency
- Easy cleaning
- Eliminates dead spots that cause corrosion and fouling

INDUSTRIES:

- General cooling/heating
- HVAC
- Refrigeration
- Industrial
- Marine
- Food & beverages
- Chemicals
- Mining
- Electronics
- Data centres



PLATE HEAT EXCHANGERS CERTIFIED BY AHRI

At SonFlow, we are proud to labeling our products AHRI-Certified. Our goal is to provide our customers with the best possible solution.

The AHRI certification program provides independent assurance to our customers that our plate heat exchangers will perform exactly as specified, and that they can trust our products to deliver the performance they need.

WHO IS AHRI?

AHRI, or the Air Conditioning, Heating, and Refrigeration Institute is the trade association representing manufacturers of HVACR and water heating equipment. And it is the only globally recognized third-party performance certification for plate heat exchangers. SonFlow plate heat exchanger range is certified in the following **AHRI Certification Program**:

- Liquid to Liquid Heat Exchangers (LLHE) - ANSI/AHRI 400
- Certification Program as an Original Equipment
- Manufacturer (OEM).

Focus on Sustainability

Another benefit of the AHRI certification program and standards is that it helps our customers save energy and promote a better environment. By making the performance standards visible, we can ensure our customers, that our plate heat exchangers will perform optimally with reduced lifetime operating costs.

At SonFlow we are dedicated to make environmentally conscious and sustainable choices, for the products we produce and at our production facilities. The AHRI certification is an important step for us in this pursuit.



AHRI CERTIFIED

AHRI Certified® is the trusted mark of performance for heating, air conditioning, water heating, and commercial refrigeration equipment. Products earning the mark are subject to rigorous, independent, annual evaluation to ensure that they perform according to the participant's published claims. Certifying equipment and component performance allows consumers to compare products based on independently verified performance ratings. To find AHRI Certified products, go to www.ahridirectory.org.



FREE FLOW PLATE HEAT EXCHANGERS

For Fibres, Particles and High Viscous Products

SonFlow's free flow plate heat exchanger series is specifically designed for challenging media containing solids, particles, fibers, and highly viscous products.

The unique corrugations of the free flow plates tailored for applications where the traditional plate heat exchanger has a higher risk of fouling or clogging.

For the free flow plate series, the key focus lies on reliability and high performance. When a plate heat exchanger is not suited for the operating media, it increases maintenance intervals and the risk of fouling.

OPTIMIZED FLOW DISTRIBUTION

The optimized flow distribution reduces fouling and minimizes uneven temperature zones, ensuring high performance over time. The design prevents unnecessary energy losses, reduces maintenance costs, and minimizes unplanned downtime.

PLATE DESIGN

The wide channels allow difficult media to flow freely. The horizontal wave pattern, which avoids contact points in the flow direction, ensures gentle treatment of the output product. Depending on the plate type, the gap between the heat transfer plates can be up to 12 mm.

If necessary, we can combine various types of heat exchangers to ensure that you receive the most suitable solution.



FREE FLOW BENEFITS:

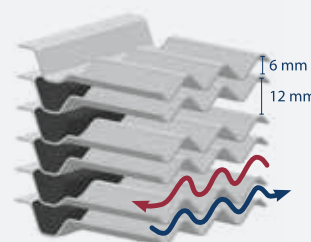
- Suitable for media containing solids, particles, fibers, and highly viscous liquids
- The wide channels enable efficient flow and heat transfer
- Free flow gap without contact points minimizes the risk of fouling and clogging

INDUSTRIES:

- Dairy/food/beverage industries
- Sugar industry
- Biogas industry
- Wastewater industry
- Pulp and paper industry
- Mining industry

High and Low

The SonFlow SFF151 and SFF301 free flow Plate Heat Exchanger are designed to mix both viscosity and flow. They feature two plate patterns: "SonFlow HIGH" and "SonFlow LOW", which can be configured with a 6/12 mm or 9/9 mm plate gap.



SANITARY PLATE HEAT EXCHANGERS

Exceptional Hygiene Standards and Product Quality

SonFlow offers a comprehensive range of plate heat exchangers designed for sanitary applications, all crafted from high-quality stainless steel. Our sanitary plate heat exchangers are engineered to meet the stringent hygiene standards essential in production processes. We understand the critical role of maintaining hygiene to achieve superior product quality, reduce bacterial presence, and extend product shelf life.



Gentle Handling

To preserve the quality of your final product, it is crucial to handle the medium gently throughout various processes. SonFlow's sanitary plate heat exchangers ensure that products quality is maintained during both heating and cooling phases.

INDUSTRIES:

- Dairies
- Food industry
- Beverage industry
- Breweries
- Pharmaceutical industry

SANITARY BENEFITS:

- Made from high-quality stainless steel
- Designed to meet stringent sanitary hygiene standards
- Ensures consistent and reliable performance, crucial for maintaining production efficiency and product quality

Pasteurization and Sterilization

One of the primary applications for our sanitary plate heat exchangers is in pasteurization and sterilization processes. With precise temperature control, our heat exchangers ensure that the medium is heated to the exact temperature required to eliminate harmful microorganisms without compromising the quality of the product.

Heating and Cooling of Products

Maintaining the structure, taste, and nutritional value of your products requires uniform, rapid, and precise heating or cooling. SonFlow's sanitary plate heat exchangers offer precise temperature control, which is crucial for achieving the desired quality and taste.

CONDENSER AND EVAPORATOR PLATE HEAT EXCHANGER

Advanced Plate Heat Exchanger Designed for Efficient Handling of Low-Pressure Vapour

The SonFlow condenser and evaporator are designed for handling condensing low-pressure vapour and evaporating duties. The unit is ideal for use in the food, sugar, biogas, pulp and paper, mining, petrochemical, chemical, and alcohol industries.

- Handling duties with large temperature differences between the hot and cold side
- Specially developed plate pattern for condensing and evaporating low-pressure vapour
- High thermal efficiency
- Reduced risk of fouling due to turbulence on the cooling water side
- Reduced pressure drop
- Optimized effective area thanks to ingenious design
- Extension from DN500 to DN1000

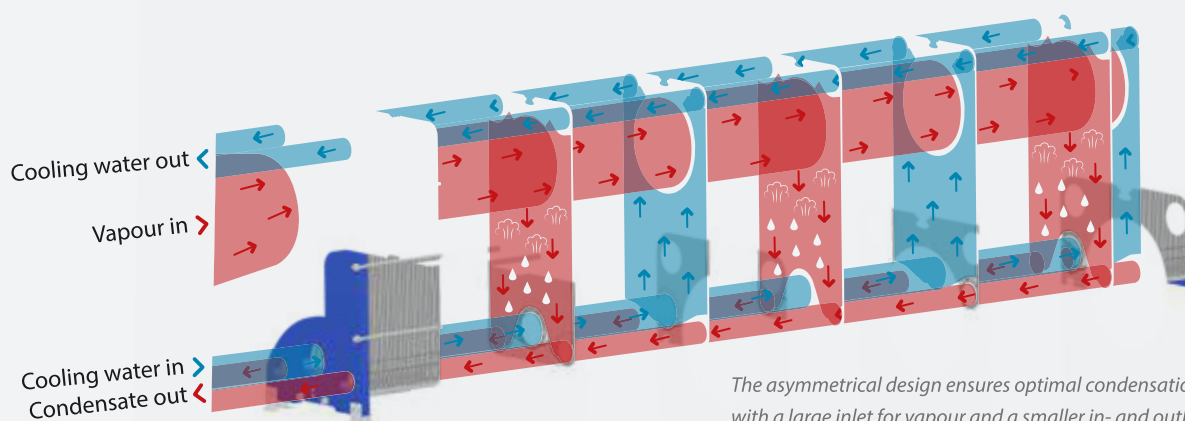


CONDENSER/EVAPORATOR BENEFITS:

- Design pressure: 0.6 mpa
- Design temperature: 180°
- Designed for CIP-Cleaning
- The gasket design makes it more costeffective
- Easy cleaning of both circuits(no welded plates)

INDUSTRIES:

- Dairy/food/beverage industry
- Sugar industry
- Biogas industry
- Pulp and paper industry
- Mining industry
- Chemical industry
- Petrochemical industry
- Alcohol industry



The asymmetrical design ensures optimal condensation conditions, with a large inlet for vapour and a smaller in- and outlet for cooling water and condensate.

BRAZED PLATE HEAT EXCHANGERS

for High Pressure and Extreme Temperature App

SonFlow's efficient brazed heat exchangers (SFB), are permanently sealed and suitable for various applications across multiple market segments. The brazed heat exchanger series key focus lies in reliability and high performance.

Our talented team, with more than 45 years of experience in heat exchangers, has developed and thoroughly tested these heat exchangers, using advanced heat transfer technology.

Features

Designed for optimal performance, reduced maintenance costs, and downtime. The unit are energy efficient and environmentally friendly.

Plate Design

The design of the corrugated plates optimizes heat transfer with a large yet compact surface area, meeting specific temperature demands and capacities.

BRAZED BENEFITS:

- Lower operating costs
- Cost-effective
- Easy assembly
- Increased energy efficiency
- Low weight
- Compact design
- High flexibility

INDUSTRIES:

- General cooling/heating
- HVAC
- Refrigeration
- Industrial
- Marine
- Data centres
- Heat pump
- Solar heating



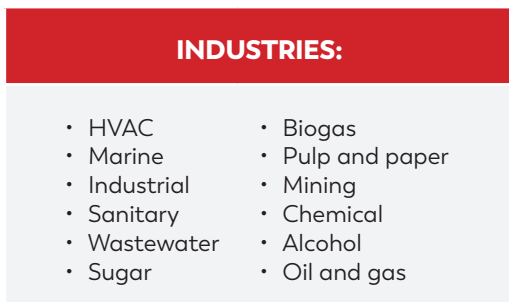
Construction

The brazed heat exchanger is constructed by a package of thin corrugated metal plates, stabilized by two thicker plates. A thin copper foil between the thin plates melts and seals the unit during a vacuum brazing process.

We customize each solution based on customer requirements for an ideal pressure drop and flow rate. We also determine the number of plates and the size of the brazed heat exchangers based on the specific task.

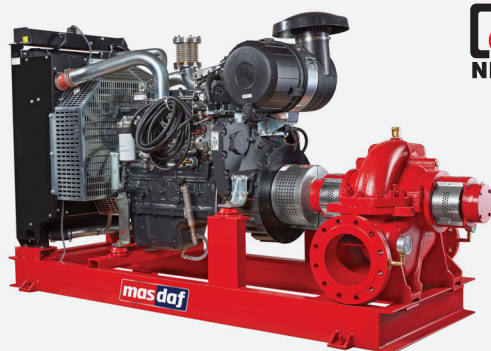


SonFlow plate heat exchangers are solving heat transfer process challenges in many different



YPSP NFPA

Double Suction Split Case Centrifugal Fire Pump



FIELDS OF APPLICATION:

- Medium and large-sized fire extinguishing systems in residential and commercial buildings,
- Medium and large-sized fire extinguishing systems in industrial facilities.

Design:

- Pump design that conforms to NFPA 20 standards,
- Dynamic impeller balanced to ISO 21940-11 standards,
- Flange that conforms to EN 1092-2 and DIN 2533 standards,
- Versatile casing design,
- Low NPSH and high efficiency,
- Different types of motor options (electric / diesel),
- Easy maintenance.

Standard Material Specification:

Note: Consult our experienced sales team for different material options.

- Casing
- Impeller
- Sealing
- Sealing

- GG 25 (GJL - 250)
- Bronze
- AISI 316
- Soft Packing

Technical Specifications:

- | | |
|---------------------|-------------------------------|
| • Flow Range | • 50 – 1800 m ³ /h |
| • Pump Head Range | • 20 – 185 m |
| • Speed Range | • 1500 – 3600 rpm |
| • Temperature Range | • 0 – 60 °C |

NM NFPA

End Suction Centrifugal Fire Pump



FIELDS OF APPLICATION:

- Medium-sized fire extinguishing systems in residential and commercial buildings,
- Medium-sized fire extinguishing systems in industrial facilities.

Design:

- Pump design that conforms to NFPA 20 standards,
- Dynamic impeller balanced to ISO 21940-11 standards,
- Conforming to DIN 24255 and EN 733 standards,
- Flange that conforms to EN 1092-2 and DIN 2533 standards,
- Flexible coupling on the pump motor connection mounted on the chassis,
- Different types of motor options (electric / diesel),
- Easy maintenance.

Standard Material Specification:

Note: Consult our experienced sales team for different material options.

- Casing
- Impeller
- Shaft
- Sealing

- GG 25 (GJL - 250)
- Bronze
- AISI 316
- Soft Packing

Technical Specifications:

- | | |
|---------------------|------------------------------|
| • Flow Range | • 11 – 227 m ³ /h |
| • Pump Head Range | • 30 – 140 m |
| • Speed Range | • 3000 – 3600 rpm |
| • Temperature Range | • 0 – 60 °C |

YNM UL-FM

End Suction Centrifugal Fire Pump



FIELDS OF APPLICATION:

- Medium-sized fire extinguishing systems in residential and commercial buildings,
- Medium-sized fire extinguishing systems in industrial facilities.

Design:

- Conforming to UL 448 and FM 1319 standards,
- Flange structure that conforms to ANSI/ASME B16.1 Class 250,
- Electric motor that conforms to UL 1004-5, Use of diesel motor that conform to UL 1247/ FM 1333,
- Use of control panel that conform to UL 218 and FM 1321 / FM 1323,
- Easy maintenance.

Standard Material Specification:

Note: Consult our experienced sales team for different material options.

- Casing
- Impeller
- Shaft
- Sealing

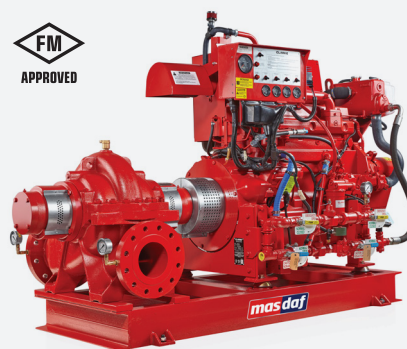
- GG 26
- Bronze
- AISI 316
- Soft Packing

Technical Specifications:

- | | |
|---------------------|------------------------------|
| • Flow Range | • 11 – 284 m ³ /h |
| • Pump Head Range | • 59 – 109 m |
| • Speed Range | • 3000 rpm |
| • Temperature Range | • 0 – 60 °C |

YPSP UL-FM

Double Suction Split Case Centrifugal Fire Pump



FIELDS OF APPLICATION:

- Medium and large-sized fire extinguishing systems in residential and commercial buildings,
- Medium and large-sized fire extinguishing systems in industrial facilities.

Design:

- Conforming to UL 448 and FM 1311 standards,
- Flange structure that conforms to ANSI/ASME B16.1 Class 250,
- Electric motor that conforms to UL 1004-5, Use of diesel motor that conform to UL 1247/ FM 1333,
- Use of control panel that conform to UL 218 and FM 1321 / FM 1323,
- Easy maintenance.

Standard Material Specification:

Note: Consult our experienced sales team for different material options.

- Casing
- Impeller
- Shaft
- Sealing

- GG 26
- Bronze
- AISI 316
- Soft Packing

Technical Specifications:

- | | |
|---------------------|------------------------------|
| • Flow Range | • 23 – 454 m ³ /h |
| • Pump Head Range | • 44 – 188 m |
| • Speed Range | • 1800 – 3000 rpm |
| • Temperature Range | • 0 – 60 °C |

KME

Horizontal Type High Pressure
Multistage Centrifugal Pump



FIELDS OF APPLICATION:

- High pressure water supply systems at high flow rates in residential and commercial buildings,
- Water distribution and high-pressure water supply systems in industrial facilities,
- Power plants,
- Agricultural irrigation systems.

Design:

- Conforming to EN, EUP, EU and ISO directives,
- Dynamic impeller balanced to ISO 21940-11 standards,
- Flanges that conform to DIN 2535,
- Balancing with wear rings and balancing holes,
- Design suitable for different assembly alternatives,
- Different option for rotation direction,
- Flexible coupling connection.

Standard Material Specification:

Note: Consult our experienced sales team for different material options.

- | | |
|--------------------------------|-----------------------|
| • Casing (Suction - Discharge) | • GG 25 (GJL - 250) |
| • Impeller | • GG 25 (GJL - 250) |
| • Stage Casing | • GG 25 (GJL - 250) |
| • Diffuser | • GG 25 (GJL - 250) |
| • Shaft | • AISI 420 (X20 Cr13) |
| • Sealing | • Soft Packing |

Technical Specifications:

- | | |
|---------------------|------------------------------|
| • Flow Range | • 30 – 800 m ³ /h |
| • Pump Head Range | • 30 – 480 m |
| • Speed Range | • 1500 rpm |
| • Temperature Range | • 0 – 110 °C |

OMK

Horizontal Shaft Multistage Centrifugal Pump



FIELDS OF APPLICATION:

- High pressure water supply systems at medium-scale flow rates in residential and commercial buildings,
- Water distribution and high-pressure water supply systems in industrial facilities,
- Power plants,
- Agricultural irrigation systems.

Design:

- Conforming to EN, EUP, EU and ISO directives,
- Dynamic impeller balanced to ISO 21940-11 standards,
- Flanges that conform to DIN 2535,
- Ball bearing use,
- Wear ring option,
- Flexible coupling use,
- Design suitable for different assembly alternatives,
- Different option for rotation direction,
- Ease of maintenance.

Standard Material Specification:

Note: Consult our experienced sales team for different material options.

- | | |
|-------------------------------|-----------------------|
| • Casing (Suction -Discharge) | • G 25(GJL - 250) |
| • Impeller | • GG 25 (GJL - 250) |
| • Stage Casing | • GG 25(GJL - 250) |
| • Last Stage Diffuser | • GG 25(GJL - 250) |
| • Shaft | • AISI 420 (X20 Cr13) |
| • Sealing | • Soft Packing |

Technical Specifications:

- | | |
|---------------------|-----------------------------|
| • Flow Range | • 5 – 180 m ³ /h |
| • Pump Head Range | • 30 – 400 m |
| • Speed Range | • 1500 – 3600 rpm |
| • Temperature Range | • 0 – 110 °C |

UKMS

Self-Priming Waste Water Pump



FIELDS OF APPLICATION:

- The discharge of domestic and industrial crude sewage fluids,
- Sewage treatment plants,
- The discharge of industrial waste waters with sludge and particulates,
- All kinds of drainage and discharge operations.

Design:

- Conforming to EN, EUP, EU and ISO directives,
- Lock lever that requires no further installation.
- Diesel and electric motor options,
- Particulate permeability up to 76 mm (3"),
- Ease of maintenance through the suction cover,
- Possibility of maintenance without disconnecting from the installation.

Standard Material Specification:

Note: Consult our experienced sales team for different material options.

- Casing
- Impeller
- Shaft
- Sealing

- GG 25 (GJL - 250)
- GG 25 (GJL - 250)
- AISI 420 (X20 Cr13)
- Mechanical Seal

Technical Specifications:

- | | |
|---------------------|------------------------------|
| • Flow Range | • 50 – 730 m ³ /h |
| • Pump Head Range | • 4 – 40 m |
| • Speed Range | • 650 – 2900 rpm |
| • Temperature Range | • 0 – 60 °C |

KYP

Thermal Oil Pump



FIELDS OF APPLICATION:

- Transfer of heat transfer oil in industrial plants.

Design:

- Conforming to EN, EUP, EU and ISO directives,
- Dynamic impeller balanced to ISO 21940-11 standards,
- Flange that conforms to EN 1092-2 and DIN 2533 standards,
- Closed impeller,
- Radial blades,
- Flexible coupling connection,
- Ease of maintenance,
- Design that requires no external cooling.

Standard Material Specification:

Note: Consult our experienced sales team for different material options.

- Casing
- Impeller
- Shaft
- Sealing

- GGG 40
- GG 25 (GJL - 250)
- AISI 420 (X20 Cr13)
- Soft Packing + Mechanical Seal

Technical Specifications:

- | | |
|---------------------|------------------------------|
| • Flow Range | • 10 – 400 m ³ /h |
| • Pump Head Range | • 5 – 113 m |
| • Speed Range | • 1500 – 3600 rpm |
| • Temperature Range | • Up to 300 °C |

SPLT

Double Suction Split Case Centrifugal Pump



FIELDS OF APPLICATION:

- Water supply systems in residential and commercial buildings,
- The transfer of fluids in industrial plants.
- Treatment plants,
- Power plants,
- Agricultural irrigation systems.

Design:

- Conforming to EN, EUP, EU and ISO directives,
- Dynamic impeller balanced to ISO 21940-11 standards,
- Flanges that conform to DIN 2535,
- Inlet and outlet flanges are on the same axis,
- Versatile casing design,
- Different motor drive options,
- Low NPSH and high efficiency,
- Long-lasting bedding,
- Easy maintenance.

Standard Material Specification:

Note: Consult our experienced sales team for different material options.

- | | |
|--|---|
| <ul style="list-style-type: none"> • Casing (Suction - Discharge) • Impeller • Shaft • Sealing | <ul style="list-style-type: none"> • GG 25 (GJL - 250) • GG 25 (GJL - 250) • AISI 420 (X20 Cr13) • Soft Packing |
|--|---|

Technical Specifications:

- | | |
|---|--|
| <ul style="list-style-type: none"> • Flow Range • Pump Head Range • Speed Range • Temperature Range | <ul style="list-style-type: none"> • 30 – 4500 m³/h • 15 – 180 m • 1000 – 3600 rpm • 0 – 110 °C |
|---|--|

NM

End Suction Centrifugal Pump



FIELDS OF APPLICATION:

- Water supply systems in residential and commercial buildings,
- Heating, cooling and air conditioning systems,
- Industrial processes.

Design:

- Dynamic impeller balanced to ISO 21940-11 standards,
- Conforming to DIN 24255 and EN 733 standards,
- A flange that conforms to EN 1092-2 and DIN 2533 standards,
- Regulation in conformity with the European Directive on Ecodesign,
- Flexible coupling on the pump motor connection mounted on the chassis,
- Easy maintenance through the pump construction structure,
- Rapid spare parts due to common parts design.

Standard Material Specification:

Note: Consult our experienced sales team for different material options.

- | | |
|--|---|
| <ul style="list-style-type: none"> • Casing • Impeller • Shaft • Sealing | <ul style="list-style-type: none"> • GG 25 (GJL - 250) • GG 25 (GJL - 250) • AISI 420 (X20 Cr13) • Soft Packing |
|--|---|

Technical Specifications:

- | | |
|---|---|
| <ul style="list-style-type: none"> • Flow Range • Pump Head Range • Speed Range • Temperature Range | <ul style="list-style-type: none"> • 5-3500 m³/h • 5 - 145 m • 1000 - 3600 rpm • -25 - 140°C |
|---|---|

INM GENIO

Inline Circulation Pump with Frequency Driver



FIELDS OF APPLICATION:

- Water supply systems in residential and commercial buildings,
- Heating, cooling and air conditioning systems,
- Industrial processes.

Design:

- Dynamic impeller balanced to ISO 21940-11 standards,
- Single stage suction-discharge flanges on the same axis,
- Flange that conforms to EN 1092-2 and DIN 2533 standards,
- Regulation in conformity with the European Directive on Ecodesign,
- Easy mounting of the frequency inverter on the motor,
- Besides the compact structure of the inverter integrated into the system, its usage in smart applications,
- Plug-in motor shaft, using an adapter and flange in pump motor connection,
- Easy maintenance through the pump construction structure.

Standard Material Specification:

Note: Consult our experienced sales team for different material options.

- | | |
|------------|-----------------------|
| • Casing | • GG 25 (GJL - 250) |
| • Impeller | • GG 25 (GJL - 250) |
| • Shaft | • AISI 420 (X20 Cr13) |
| • Sealing | • Mechanical Seal |

Technical Specifications:

- | | |
|---------------------|-----------------------------|
| • Flow Range | • 2 – 360 m ³ /h |
| • Pump Head Range | • 2 – 105 m |
| • Speed Range | • 1000 – 3600 rpm |
| • Temperature Range | • -25 – 120 °C |

OMNIA SERIES

Wet Rotor Circulating Pump



OmniA 25 - 80 180 S

Series Name _____
 Nominal flange diameter (mm) _____
 Maximum Head x 10 (m) _____
 Distance Between Flanges (mm) _____
 S: Stainless steel body
 Z: Body bronze

FIELDS OF APPLICATION:

- HVAC systems
- Floor Heating Systems

Design Specification:

- High efficiency and compact motor design.
- Low-noise and low-vibration operation.
- User interface with three control modes: constant pressure, proportional pressure, and constant speed.
- Automatic performance optimization with SmartAdapt function.
- LED display/screen indicating energy consumption.
- Silent operation with automatic night mode.

Sealing Applications

- The wet-rotor design eliminates the need for a mechanical seal, providing a hermetically sealed construction.
- The motor stator is separated from the rotor chamber by a stainless steel can, ensuring hydraulic sealing.
- This structure eliminates the risk of external leakage and minimizes the need for maintenance.

Technical Specifications:

- | | |
|----------------------|----------------------------|
| • Suction Flange | • G 1 1/2" |
| • Discharge Flange | • G 1 1/2" |
| • Operating Pressure | • 10 Bar |
| • Temperature Class | • TF110 |
| • Flow Range | • 0 - 24 m ³ /h |
| • Man. Head Range | • 1 - 12 m |
| • EEI | • 0,18 ≥ - ≥ 0,23 |

MULTIHEXA

High-Pressure Stainless Steel Booster Set



FIELDS OF APPLICATION:

- Pressurized water supply systems in residential and commercial buildings,
- The supply of process water in industrial facilities,
- Agricultural irrigation.

Design:

- Conforming to EN, EU and ISO directives,
- Vertical Multistage Stainless Pump, and a control panel,
- System comprised of a chassis, a collector and accessories,
- Pump inlets and outlets that are on the same axis,
- Pumps that are protected against dry operation, out-of-phase operating, and overloading,
- Clockwise rotation of the pump when viewed from the motor side,
- High resistance against operation without water,
- Panel with equal aging and switch number protection.

Standard Material Specification:

Note: Consult our experienced sales team for different material options.

- | | |
|---|--|
| <ul style="list-style-type: none"> • Suction-Discharge Casing • Impeller • Shaft • Sealing • Pump Shield | <ul style="list-style-type: none"> • GG25 / AISI 304 • AISI 304 • AISI 304 • Mechanical Seal • AISI 304 |
|---|--|

Technical Specifications:

- | | |
|---|--|
| <ul style="list-style-type: none"> • Flow Range • Pump Head Range • Speed Range • Temperature Range | <ul style="list-style-type: none"> • 6x(1 – 180) m³/h • 10 – 290 m • 3000 rpm • 0 – 60 °C |
|---|--|

MULTIHEXA GENIO

High-Pressure Stainless Steel Booster Set with Frequency Driver



FIELDS OF APPLICATION:

- Pressurized water supply systems in residential and commercial buildings,
- The supply of process water in industrial facilities,
- Fire extinguishing systems,
- Agricultural irrigation.

Design:

- Conforming to EN, EU and ISO directives,
- System comprised of a Vertical Multistage Stainless Pump, on-motor inverter, a chassis, a collector and accessories,
- Easy mounting of the frequency inverter on the motor,
- Besides the compact structure of the inverter integrated into the system, its usage in smart applications,
- Pump inlets and outlets that are on the same axis,
- Pumps that are protected against dry operation, out-of-phase operating, and overloading,
- Clockwise rotation of the pump when viewed from the motor side, High resistance against operation without water,
- Panel with equal aging and switch number protection.

Standard Material Specification:

Note: Consult our experienced sales team for different material options.

- | | |
|---|--|
| <ul style="list-style-type: none"> • Suction-Discharge Casing • Impeller • Shaft • Sealing • Pump Shield | <ul style="list-style-type: none"> • GG25 / AISI 304 • AISI 304 • AISI 304 • Mechanical Seal • AISI 304 |
|---|--|

Technical Specifications:

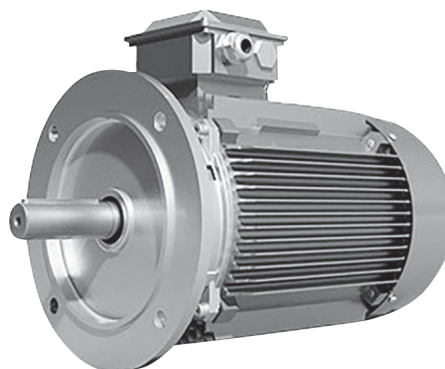
- | | |
|---|--|
| <ul style="list-style-type: none"> • Flow Range • Pump Head Range • Speed Range • Temperature Range | <ul style="list-style-type: none"> • 6x(1 – 120) m³/h • 10 – 170 m • 3000 rpm • 0 – 60 °C |
|---|--|

ELECTRIC MOTORS

IEC ELECTRIC MOTORS

IEC Electric Motors

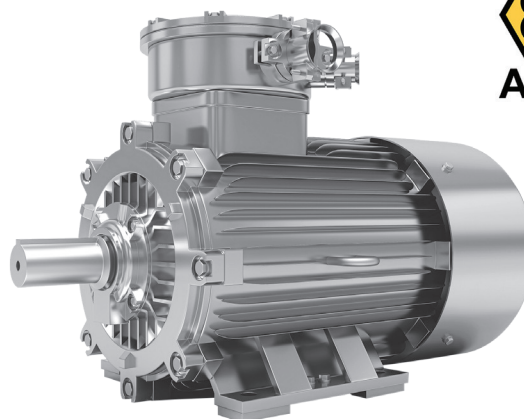
- 3 Phase & 1 Phase
- 0.09-400 kW
- Cast Iron & Aluminium housing
- 2,4,6,8,10 and 12 pole
- 56-400L Frame
- IE1-IE2-IE3-IE4



FLAMEPROOF ELECTRIC MOTORS

Flameproof Electric Motors

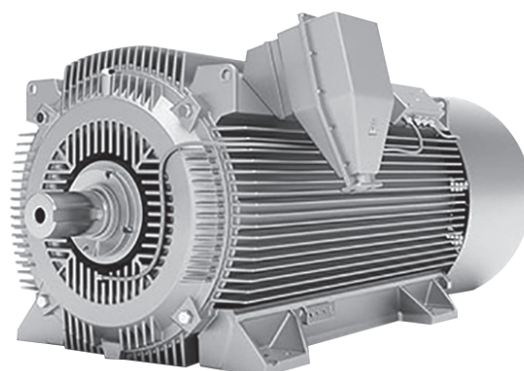
- 3 Phase
- 0.18-355 kW
- Special Cast Iron housing
- 2,4 and 6 pole
- 63-355L Frame
- IE3 - IE4
- ATEX certified by Italy ECM and Turkey IEP
- II 2G Ex db IIB T4 Gb
- II 2D Ex tb IIIA T125 °C Db



MIDDLE & HIGH VOLTAGE ELECTRIC MOTORS

Middle & High Voltage Electric Motors

- Maximum efficiency, consistent performance and reliability over time.
- High flexibility in use.
- Low noise and low vibrations.
- Compliance with international IEC standards
- IC 01-411-416-511-611-IC 81W Cooling methods





REV.
FIFTH EDITION
PUMPTec

INDUSTRIAL PRODUCTS

CAIRO

50 L, El Mokhtar Street, Off El-Nasr St., New Maadi, Cairo, Egypt.
Phone: (+202) 25162733 | 25162732 | 25162739
Fax: (+202) 27045844
E-mail: info@pump-tec.net
Website: www.pump-tec.net

RIYADH

Office 22 Rama Mall, Prince Bandar Ibn Abd Al Aziz, An Nahdah,
Riyadh, Saudi Arabia.
Riyadh Metro Station, Al Andalus (The Purple Line).
Mobile: (+96)6 55 435 7417 | (+966) 54 640 9959

DUBAI

P.O. Box 17, Dubai, United Arab Emirates.



PUMPTec CATALOG

Design & layout | VOW Advertising
Copyright © PumpTec. All Rights Reserved
www.pump-tec.net