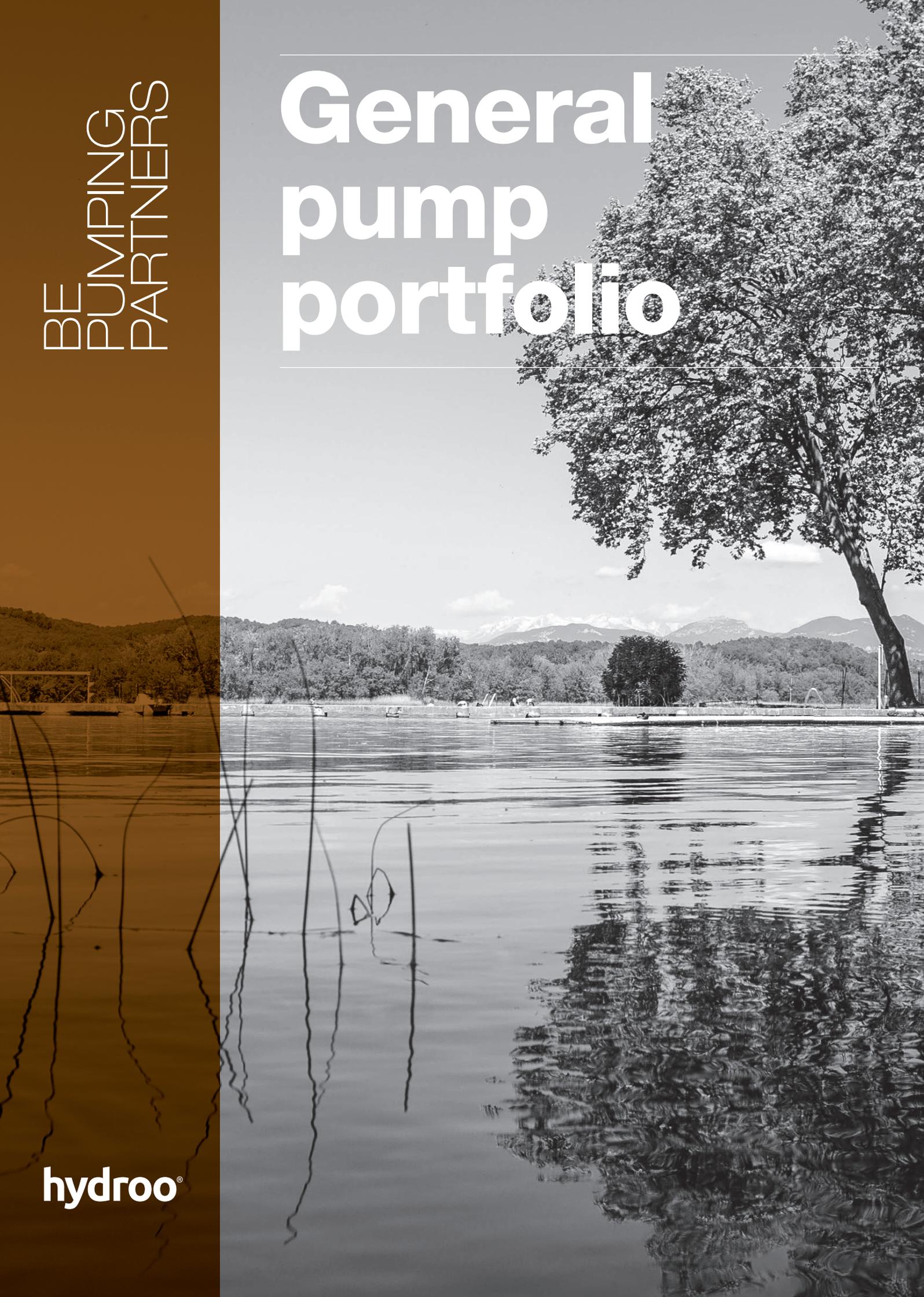


BE  
PUMPING  
PARTNERS

# General pump portfolio

hydroo®



HYDROO is present in all the global markets by means of a distribution network focused on the service and the valuation of the pumping business. HYDROO conceives, researches, develops, designs, industrializes, and manufactures a wide range of pumping solutions for the most demanding applications in industrial markets, irrigation, water supply and water treatment as well as in residential and commercial buildings. The values of operational excellence, experience, reliability, and passion for a well-done job guide the daily work of the Hydroo team together with our partners and distributors. The global challenges of water management require excellence in pumping technologies and a joint effort between designers, manufacturers, and pumping engineers. To meet the needs of the market in the more demanding installations Hydroo is firmly committed to manufacturing the best pumping equipment by following and sharing our values worldwide.

The Hydroo values are presented in 5 great concepts that we summarize in our motto Hy5, which are our principles and commitments:

# BE PUMPING PARTNERS



L'Estany de Banyoles (Pla del Estany county, Catalonia)

The lake of Banyoles is an amazing natural space, of great geological, ecological, landscape and cultural value. You can walk and enjoy their most emblematic corners or practice numerous sports and leisure activities nearby.

**Coordinates:**  
Longitude: 2.75656  
Latitude: 42.13101



## hymotion

Value proposal based on the reliability of products enhancing the quality, the development of efficient supply chains, the productivity with the love of craftsmen at every step of the manufacturing and production processes. We move with the commitment to improve pumping systems, make them more efficient, more reliable, more digitized, more at the service of the human development.



## hylite

Contribution to the preservation of the environment and sustainability. We reduce the environmental impact and the carbon footprint. We contribute to the development of the circular economy. Our team stands out for the highest standards of energy efficiency.



## hyficient

The use of the most advanced analytical, developed simulation tools allows us to optimize our R&D teamwork results. We maximize the study of materials, efficient hydraulics, mechanical improvements and the optimization of our motors up to 200 kW. The results are robust, reliable, flexible, adjustable, multipurpose, and user-friendly pumping equipment.



## hynovative

Commitment to the implementation of the innovation process a strategic pillar of the company. Transfer new ideas to realities that evolve pumping industry and internalize the process as a strategic in each job position to offer market improvements.



## hyliance

We are the factory of our customers. Without solution of continuity between the value chain starting in the components production plants and ending with amortization of the pumping equipment operating at full performance for years and giving satisfaction to distributors, project engineers and pumping systems managers. We make real our catchphrase **Be Pumping Partners**.

HYDROO's pump portfolio presents pumping solutions for a wide range of applications: supply of drinking water, pressurization, fire-fighting equipment, deep well pumping, heating, ventilation and air conditioning, water distribution heating systems, drainage, sewage and charged waters, irrigation, desalination, reverse osmosis systems, ultrafiltration, industrial processes, etc.

Hydroo is a reliable player for the business development of our distributors and partners. They endorse us experience and results: we build opportunities of joint business, we achieve the goals and we improve the well-being of users with reliable, high quality, durable, sustainable and efficient products.

# BE PUMPING PARTNERS

9001/14001

**ISO 9001, ISO 14001**  
Quality and commitment in improvement of the environment

High efficiency products, versatility and flexibility, wide range of solutions. Hydroo is a reference brand in reverse osmosis and water treatment, in the contribution to quality and sustainable crops production, industrial solutions and residential and commercial applications

300.000

**300.000 units installed in the industrial sector**

75

**We sell to 75 countries. Distributors all over the continents. Main partners in all the European countries. We are in the most important vendor lists.**

10,000/1/7200

**Solutions for flows up to 10,000 m³/h. Powers up to 1 MW. Pressures up to 72 bar (7200 kPa)**

Best constructive materials used for our pumps. Standard versions in AISI304, AISI316 and AISI904 SS.

Fast delivery time from the factory placed in Palol de Revardit (Catalonia-Spain)

11

**Corporate web in 11 languages**

7000/7

**7.000 sqm of production plant in Palol de Revardit. International group with 7 industrial plants in the USA, Europe, India and China**

2 Application Engineering teams to provide a prompt and accurate attention to our customers and partners. The best solution to each particular pumping installation.

10/32

**10 families of pumping solutions. 32 series of products, millions of possible models**

Our R&D teams have developed our own processes for CFD, mechanical advanced calculation, prototyping and patenting

5/1200/40/200

**5 test benches for testing up to 1,200 m³/h, 40 bar, 200 kw, according to ISO 9906:2012 Grade 3B**

50

**Present in more than 50 international fairs**

Extensive level of services for the client: optimization of delivery times, HyV1deos marketing tools, Hy2Is online service, HyX3Net supply chain on-line management, Hy4Select online selection software, phone direct technical assistance, HyA6tance online after-sales service, close and friendly based commercial attention

# INDEX



## VDR00 SERIES

<b>VF, VX</b> Vertical multistage stainless steel centrifugal pump	08
<b>VN, VD</b> Vertical multistage stainless steel customized centrifugal pump	08
<b>VTP, VTPS, VTPM</b> High pressure pump set	09
<b>VKF, VKX, VKN</b> Immersion type multistage centrifugal pump	09
<b>VYP</b> Vertical multistage pump	10

## HDR00 SERIES

<b>HYP</b> Horizontal multistage pump	10
<b>HX, HN</b> Horizontal multistage stainless steel centrifugal pump	11
<b>HJ</b> Stainless steel self-priming jet pump	11
<b>HPRESS</b> Smart booster set	12

## MDR00 SERIES

<b>MX, MN</b> Stainless steel horizontal single-stage centrifugal pump	12
<b>MXO</b> Open impeller single stage pump	13

## NDR00 SERIES

<b>NSX, NSN</b> Stainless steel horizontal single stage centrifugal pump	13
<b>NLF, NLFX</b> Single stage end suction centrifugal pump	14

<b>HSC</b> Single stage double suction split case pump	14
<b>HHP</b> Multistage high pressure horizontal pump	15
<b>LS</b> Vertical turbine pump	15
<b>HZ</b> Polymeric end suction pump	16
<b>HQ</b> Stainless steel self-priming gas-liquid pump	16

## TDR00 SERIES

<b>TF, TX</b> Vertical in-line circulation pump	17
<b>TR, TRE</b> Wet rotor circulating pump	17

## KDR00 SERIES

<b>KN</b> Stainless steel swimming pool pump	18
<b>KOOLI</b> Swimming pool pump	18

## SDR00 SERIES

<b>SX, SN, SD</b> Stainless steel submersible borehole pump	19
<b>HYO, HYA</b> Submersible motor	19
<b>SXB</b> 5" Submersible monoblock electropump	20
<b>S3P, S3,5P</b> 3", 3,5" submersible pump	20
<b>ST4</b> 4" submersible pump	21
<b>SO4</b> 4" rewindable oil filled submersible motor	21

## WDR00 SERIES

<b>WRAINOX, WRAIN, WUP</b> Submersible stainless steel drainage pump	22
<b>WF, WX, WN</b> Submersible sewage pump	22
<b>WG, WV</b> Submersible sewage grinder and vortex pump	23
<b>WPF, WPS</b> Non-clogging self-priming sewage pump	23

## EDR00 SERIES

<b>HC</b> Pump controller	24
<b>VSDN, VSD1 - 5</b> Variable frequency driver	24

## XDR00 SERIES

<b>XBOOST</b> Variable speed booster set	25
<b>XFIRE</b> Fire-fighting set	25

# VF, VX

Vertical multistage stainless steel pump

### Applications

Cooling water systems / Municipal water supply and boosting / Domestic water supply / Irrigation / General industrial services / Washing plants / Boiler feed and condensate systems / Water treatment plants

### Performance range

Flow range: up to 240 m<sup>3</sup>/h  
Head: up to 305 m  
Temperature: up to +120 °C  
Speed: 2900 rpm or 3500 rpm  
Power: up to 110 kW  
Standard motor IE3. IE4-IE5 available on request

### Operation conditions

Clean, non-flammable and non-explosive liquid  
Liquid temperature: -15 °C to +120 °C  
Ambient temperature: up to +40 °C  
Low NPSH version  
High temperature version up to 180°C

### Material

Cast Iron, AISI304 SS



# VN, VD

Vertical multistage stainless steel customized pump

### Applications

Municipal water supply / General industrial services / Water treatment / RO Systems / Ultrafiltration

### Performance range

Flow range: up to 240 m<sup>3</sup>/h (VD from 25-240 m<sup>3</sup>/h)  
Head: up to 305 m  
Temperature: up to +120 °C  
Speed: 2900 rpm or 3500 rpm  
Power: up to 110 kW  
Standard motor IE3. IE4-IE5 available on request

### Operation conditions

Clean, non-flammable and non-explosive liquid  
Salty water allowed  
Liquid temperature: -15 °C to +120 °C  
Ambient temperature: up to +40 °C

### Material

AISI316 SS, AISI904 SS, Duplex



# VTP, VTPS, VTPM

High pressure pump set

### Applications

Ultrafiltration / RO systems / Booster systems / High pressure flushing systems / Water supply / Seawater desalination

### Performance range

Flow range: up to 55 m<sup>3</sup>/h  
Head: up to 740 m  
Temperature: up to +120 °C  
Speed: 2900 rpm or 3500 rpm  
Power: up to 55 kW  
Standard motor IE3. IE4-IE5 available on request

### Operation conditions

Clean, non-flammable and non-explosive liquid  
Liquid temperature: -15 °C to +120 °C  
Ambient temperature: up to +40 °C

### Material

AISI304 SS, AISI316 SS, AISI904 SS, Duplex



# VKF, VKX, VKN

Immersion type multistage pump

### Applications

Machine tools cooling systems / Industrial washing systems / Chiller units / Industrial filtration systems / Other industrial applications

### Performance range

Flow range: up to 55 m<sup>3</sup>/h  
Head: up to 305 m  
Temperature: up to +120 °C  
Speed: 2900 rpm or 3500 rpm  
Power: up to 45 kW  
Standard motor IE3. IE4-IE5 available on request

### Operation conditions

Clean non-explosive liquid  
Coolant fluids and cutting lubricating liquids  
Liquid temperature: -15 °C to +70 °C  
Warm water type: -15 °C to +120 °C

### Material

Cast Iron, AISI304 SS, AISI316 SS



# VYP



## Vertical multistage pump

### Applications

Cooling water systems / Domestic water supply / Irrigation / Washing plants

### Performance range

Flow range: up to 18 m<sup>3</sup>/h  
Head: up to 140 m  
Temperature: up to +40 °C  
Speed: 2900 rpm  
Power: up to 4 kW

### Operation conditions

Clean, non-flammable and non-explosive liquid

### Material

Impellers in AISI304 SS  
Suction and discharge in Cast Iron  
Diffusers in Technopolymer

# HX, HN



## Horizontal multistage stainless steel pump

### Applications

Cooling water systems / Aquiculture / Domestic water supply / General industrial services / Washing plants

### Performance range

Flow range: up to 35 m<sup>3</sup>/h  
Head: up to 88 m  
Temperature: up to +110 °C  
Speed: 2900 rpm or 3500 rpm  
Power: up to 7,5 kW

### Operation conditions

Clean, non-flammable and non-explosive liquid  
Liquid temperature: -15 °C to +110 °C  
Ambient temperature: up to +40 °C

### Material

Cast Iron, AISI304 SS, AISI316 SS

# HYP

## Horizontal multistage pump

### Applications

Cooling water systems / Domestic water supply / Irrigation / Washing plants

### Performance range

Flow range: up to 7,2 m<sup>3</sup>/h  
Head: up to 55 m  
Temperature: up to +40 °C  
Speed: 2900 rpm  
Power: up to 1,1kW  
Self priming: up to 2 m

### Operation conditions

Clean, non-flammable and non-explosive liquid

### Material

Impellers in AISI304 SS  
Suction and discharge in Cast Iron  
Diffusers in Technopolymer



# HJ

## Stainless steel self-priming jet pump

### Applications

Water supply from wells or reservoirs / Domestic, civil and industrial applications / Garden and irrigation

### Performance range

Flow range: up to 5 m<sup>3</sup>/h  
Head: up to 50 m  
Temperature: up to +60 °C  
Speed: 2900 rpm  
Power: up to 0,92 kW  
Self priming: up to 9 m

### Operation conditions

Clean, non-flammable and non-explosive liquid  
Liquid temperature: -15 °C to +60 °C  
Ambient temperature: up to +40 °C

### Material

AISI304 SS



# HPRESS

## Smart booster set

### Applications

Domestic water supply and boosting / Garden and irrigation

### Performance range

Flow range: up to 20 m<sup>3</sup>/h  
Head: up to 70 m  
Self priming: up to 8 m  
Temperature: up to +40 °C  
Speed: 2900 rpm up to 5.000 rpm  
Power: up to 2,2 kW  
Motor efficiency IE5

### Operation conditions

Clean, non-flammable and non-explosive liquid  
Available operation in parallel up to 2 units

### Material

AISI304 SS  
Diffusers in Technopolymer



# MXO

## Open impeller single stage pumps

### Applications

Cooling systems / HVAC applications / Industrial washing machines

### Performance range

Flow range: up to 58 m<sup>3</sup>/h  
Head: up to 21 m  
Temperature: up to +70 °C  
Speed: 2900 rpm  
Power: up to 3 kW

### Operation conditions

Clean, non-flammable and non-explosive liquid

### Material

AISI304 SS



# MX, MN

## Stainless steel horizontal single-stage pump

### Applications

Water treatment systems / Water supply for residential and commercial buildings / Garden and irrigation systems

### Performance range

Flow range: up to 26 m<sup>3</sup>/h  
Head: up to 40 m  
Temperature: up to +85 °C  
Speed: 2900 rpm or 3500 rpm  
Power: up to 2,2 kW

### Operation conditions

Clean, non-flammable and non-explosive liquid

### Material

AISI304 SS, AISI316 SS



# NSX, NSN

## Stainless steel horizontal single-stage pump

### Applications

Water supply / Cooling water and HVAC systems / General industrial services

### Performance range

Flow range: up to 240 m<sup>3</sup>/h  
Head: up to 100 m  
Temperature: up to +100 °C  
Speed: 2900 rpm or 3500 rpm  
Power: up to 75 kW  
Standard motor IE3.  
IE4-IE5 available on request

### Operation conditions

Clean, non-flammable and non-explosive liquid

### Material

AISI304 SS, AISI316 SS



# NLF, NLFX

Single stage end suction pump

## Applications

Water supply / Cooling water and HVAC systems / Drainage / General industrial services

## Performance range

Flow range: up to 1000 m<sup>3</sup>/h  
Head: up to 160 m  
Temperature: up to +110 °C  
Speed: 1450/2900 rpm or 1750/3500 rpm  
Power: up to 200 kW  
Standard motor IE3.  
IE4-IE5 available on request

## Operation conditions

Clean, non-flammable and non-explosive liquid

## Material

Cast Iron, Bronze, AISI304 SS, AISI316 SS, Duplex



# HHP

Multistage high pressure horizontal pump

## Applications

Municipal water supply / Boiler feed systems / Water supply for high buildings / Mining / Seawater desalination / Irrigation systems / Firefighting systems / Other industrial systems

## Performance range

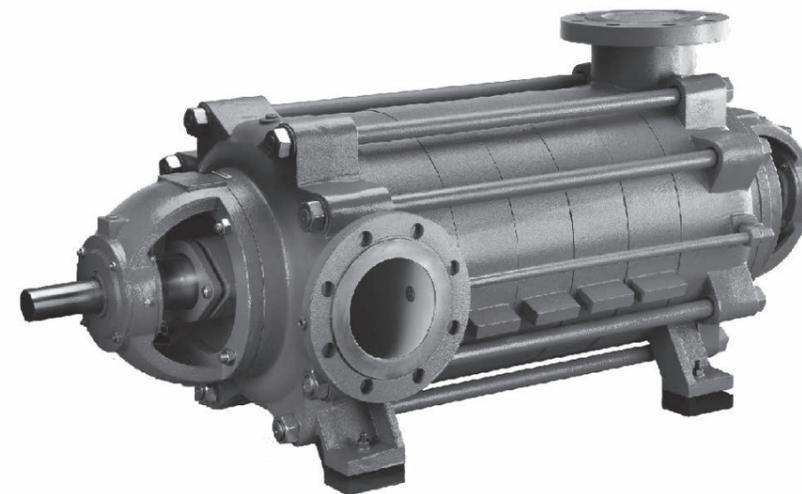
Flow rate: 3.75 ~ 1020 m<sup>3</sup>/h  
Head: 19 ~ 1080 m  
Temperature: up to +80 °C

## Operation conditions

Horizontal multistage pump  
Bare shaft versions with flexible coupling and standard electric motors

## Material

Cast Iron, Cast steel, Stainless steel



# HSC

Single stage double suction split case pump

## Applications

Cooling water / Water supply / Fire protection / Metal manufacturing / Irrigation / General industrial services / Seawater

## Performance range

Flow range: up to 10.000 m<sup>3</sup>/h  
Head: up to 200 m  
Temperature: up to +110 °C  
Speed: 710 rpm up to 3500 rpm  
Standard motor IE3.  
IE4-IE5 up to 200kW available on request

## Operation conditions

Clean, non-flammable and non-explosive liquid

## Material

Cast Iron, Bronze, AISI304 SS, AISI316 SS, Duplex



# LS

Vertical turbine pump

## Applications

Cooling Water / Seawater and raw water intake / Industrial process pumps / Fire-fighting

## Performance range

**LSC:** Single or multistage pump with centrifugal or mixed-flow enclosed type impeller, designed for high pressure service

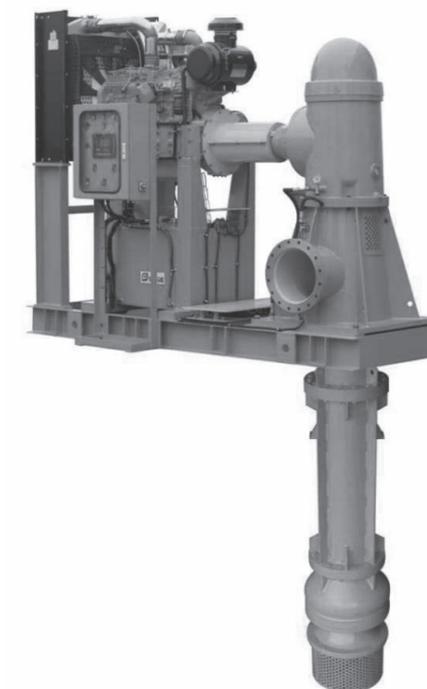
**LSM:** Single stage pump with mixed-flow semi-open or enclosed type impeller, designed for high capacity, medium to high head services

**LSA:** Single stage pump with axial-flow impeller, designed for high capacity, low head services

**LSG:** Right angle gear box driven vertical turbine pump

## Material

Cast Iron, Bronze, AISI304 SS, AISI316 SS, Duplex



# HZ

## Polymeric end suction pump

### Applications

**Metal and chemical industry / Alkali & acid pumping / Pulp and paper industry / Pickling processes in electroplating / Other corrosive liquid transferring**

### Performance range

Flow range: up to 140 m<sup>3</sup>/h  
Head: up to 93 m  
Temperature: up to +120 °C  
Speed: 2900 rpm  
Power: up to 55 kW

### Operation conditions

Clean liquids  
Medium density: Max 1.35Kg/dm<sup>3</sup>  
Pressure: Max 10bar

### Material

FEP = Fluorinated ethylene propylene



# TX, TF

## Vertical in-line circulation pump

### Applications

**Cooling water / Water supply / Irrigation / General industrial services / Boosting**

### Performance range

Flow range: up to 750 m<sup>3</sup>/h  
Head: up to 90 m  
Temperature: up to +110 °C  
Speed: 1450/2900 rpm or 1750/3500 rpm  
Power: up to 132 kW  
Standard motor IE3. IE4-IE5 available on request

### Operation conditions

Clean, non-flammable and non-explosive liquid

### Material

Cast Iron, AISI304 SS



# HQ

## Stainless steel self-priming gas-liquid pump

### Applications

**Liquid-gas pump / Bubbling / DAF & sewage systems / Ozone handling**

### Performance range

Flow range: up to 73 m<sup>3</sup>/h  
Head: up to 70 m  
Temperature: up to +120 °C  
Speed: 2900 rpm  
Power: up to 18,5 kW  
Gas-liquid ratio 1:9 (Gas suction volume 8-10%)

### Operation conditions

Clear and low viscosity liquids

### Material

AISI304 SS



# TR, TRE

## Wet rotor circulating pump

### Applications

**Domestic boilers / Air conditioning systems**

### Performance range

Flow range: up to 45 m<sup>3</sup>/h  
Head: up to 15 m  
Speed: 2900 / 3500 rpm  
Power: up to 13000 W  
TR: 3 speeds  
TRE: electronic

### Operation conditions

Clean, non-flammable and non-explosive liquid

### Material

Casing Cast Iron  
Impeller Technopolymer  
Shaft and bearing in ceramics



# KN

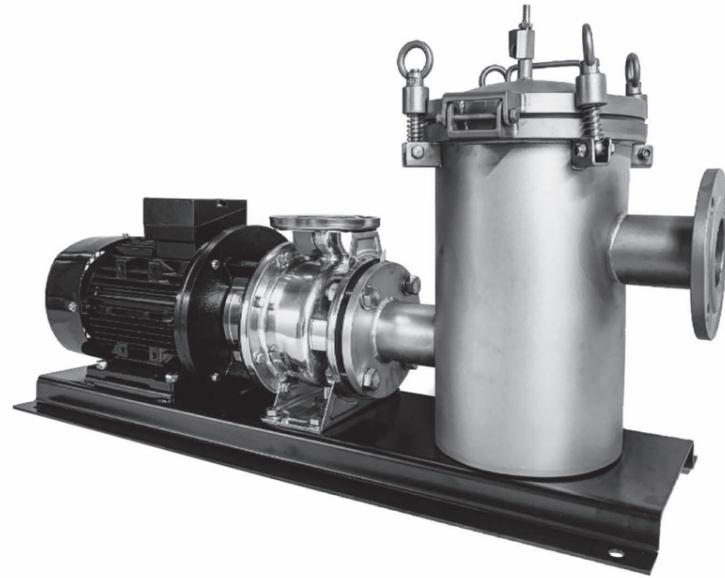
Stainless steel swimming pool pump

**Applications**  
Water filtration in commercial and large swimming pools

**Performance range**  
Flow range: up to 200 m<sup>3</sup>/h  
Head: up to 70 m  
Temperature: up to +100 °C  
Speed: 2900 rpm or 3500 rpm  
Power: up to 37 kW  
Standard motor IE3.  
IE4-IE5 available on request

**Operation conditions**  
Clean, non-flammable and non-explosive liquid

**Material**  
AISI316 SS



# SX, SN, SD

4", 6", 8", 10", 12" stainless steel submersible pump

**Applications**  
Water supply from deep wells and dams / Irrigation / Sprinkling and boosting / Fire-fighting applications / Washing systems / Mining

**Performance range**  
Flow range: up to 540 m<sup>3</sup>/h  
Head: up to 450 m  
Temperature: up to +50 °C  
Speed: 2900 rpm or 3500 rpm  
Power: up to 350 kW  
Immersion depth: up to 300 m  
Sizes: 4" to 12"

**Operation conditions**  
Clean, non-flammable and non-explosive liquid

**Material**  
AISI304 SS, AISI316 SS, Duplex



# KOOLI

Residential swimming pool pump

**Applications**  
Water filtration in residential swimming pools

**Performance range**  
Flow range: up to 33 m<sup>3</sup>/h  
Head: up to 23 m  
Temperature: up to +40 °C  
Speed: 2900 rpm  
Power: up to 2,2 kW

**Operation conditions**  
Clean, non-flammable and non-explosive liquid

**Material**  
Hydraulic part in Technopolymer  
Shaft in AISI316 SS  
Mechanical seal in CSi/Graphite/AISI316 SS



# HYO, HYA

4" – 10" rewindable oil filled and water cooled submersible motor

**Applications**  
Borehole wells / Open tanks / Dams

**Performance range**  
Temperature: up to +50 °C  
Speed: 2900 rpm or 3500 rpm  
Power: up to 185 kW  
Immersion depth: up to 250 m  
Sizes: 3" to 10"

**Material**  
AISI304 SS, AISI316 SS, Duplex



# SXB

5" compact submersible pump

**Applications**  
Water supply from wells or reservoirs / Domestic applications / Garden and irrigation

**Performance range**  
Flow range: up to 8,5 m<sup>3</sup>/h  
Head: up to 110 m  
Temperature: up to +40 °C  
Speed: 2900 rpm  
Power: up to 2 kW  
Sand content: 50 g/m<sup>3</sup>  
Immersion depth: up to 50 m  
Size: 5"

**Operation conditions**  
Clean, non-flammable and non-explosive liquid

**Material**  
AISI304 SS, POM



# S3P, S3,5P

3", 3,5" submersible pump

**Applications**  
Water supply from wells or reservoirs / Domestic applications / Garden and irrigation

**Performance range**  
Flow range: up to 6 m<sup>3</sup>/h  
Head: up to 155 m  
Temperature: up to +40 °C  
Speed: 2900 rpm  
Power: up to 1,1 kW  
Sand content: 150 g/m<sup>3</sup>  
Immersion depth: up to 120 m  
Sizes: 3" and 3,5"

**Operation conditions**  
Clean, non-flammable and non-explosive liquid

**Material**  
AISI304 SS, POM  
Check valve in AISI304 SS



# ST4

4" submersible pump

**Applications**  
Water supply from wells or reservoirs / Domestic applications / Garden and irrigation

**Performance range**  
Flow range: up to 24 m<sup>3</sup>/h  
Head: up to 300 m  
Temperature: up to +40 °C  
Speed: 2900 rpm  
Power: up to 7,5 kW  
Sand content: 150 g/m<sup>3</sup>  
Immersion depth: up to 120 m  
Sizes: 4"

**Operation conditions**  
Clean, non-flammable and non-explosive liquid

**Material**  
AISI304 SS, POM  
Check valve in AISI304 SS



# SO4

4" rewindable oil filled, water cooled submersible motor

**Applications**  
Water supply from wells or reservoirs / Domestic applications / Garden and irrigation

**Performance range**  
Temperature: up to +50 °C  
Speed: 2900 rpm or 3500 rpm  
Power: up to 7,5 kW  
Immersion depth: up to 120 m  
Sizes: 4"

**Material**  
AISI304 SS



# WRAINOX, WRAIN, WUP

Submersible stainless steel drainage pump

## Applications

Raw water / Domestic and semi-industrial waste water / Rain water / General industrial services / Construction / Fountains and dams water recirculation

## Performance range

Flow range: up to 36 m<sup>3</sup>/h  
Head: up to 20 m  
Temperature: up to +40 °C  
Speed: 2900 rpm or 3500 rpm  
Power: up to 1,5 kW  
Solid diameter < 45 mm

## Operation conditions

Non-flammable and non-explosive liquid

## Material

AISI304 SS  
Double mechanical seal



# WG, WV

Submersible sewage grinder and vortex pump

## Applications

Raw water / Industrial waste water / Rain water / Wastewater treatment plants / General industrial services / Construction

## Performance range

Flow range: up to 80 m<sup>3</sup>/h  
Head: up to 47 m  
Temperature: up to +40 °C  
Speed: 2900 rpm  
Power: up to 11 kW

## Versions

Grinder and Vortex impellers

## Material

Cast iron



# WF, WX, WN



Submersible sewage pump

## Applications

Raw water / Industrial waste water / Rain water / Wastewater treatment plants / General industrial services / Construction

## Performance range

Flow range: up to 1100 m<sup>3</sup>/h  
Head: up to 66 m  
Temperature: up to +40 °C  
Speed: 2900 rpm, 1450 rpm or 980 rpm  
Power: up to 75 kW

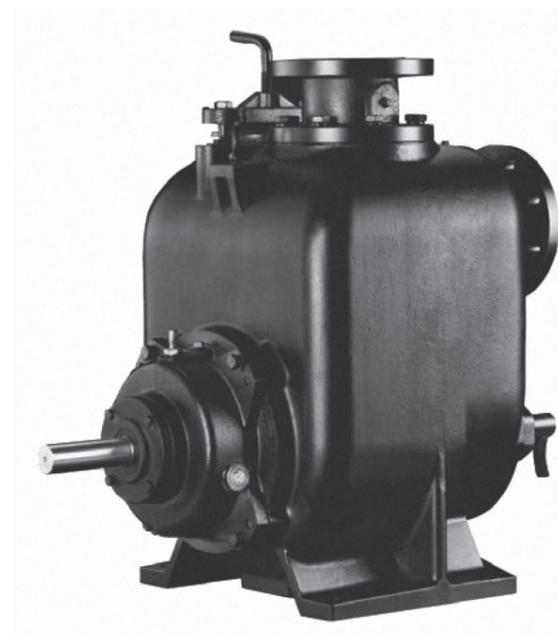
## Versions

Double and multiple channel

## Material

Cast iron, AISI304 SS  
Double mechanical seal

# WPF, WPS



Non-clogging self-priming sewage pump

## Applications

Rain water and common sewage / Industrial sewage water / Wine and sugar industry / Waste water treatment plants

## Performance range

Flow range: up to 700 m<sup>3</sup>/h  
Head: up to 70 m  
Temperature: up to +100 °C  
Power: up to 90 kW  
Standard motor IE3.  
IE4-IE5 available on request

## Operation conditions

Non-flammable and non-explosive liquid  
Sewage and raw waters from dams, rivers and lakes

## Material

Cast Iron, AISI304 SS

# HC

## Electronic pump controllers

**Applications**  
Residential and irrigation installations

**Main features**  
Automatic devices for electric pump integral control

Electronic pressure switches with dry contact output for control panels

Automatic digital pumpdriver G1 1/4". On-off and pressure-dependent mode

HC1



HC3



HC2



HC4



# XBOOST

## Variable speed booster sets

**Applications**  
Water supply for residential & commercial buildings / Garden irrigation / Water supply for industrial uses

**Performance range**  
Flow range: up to 1440 m<sup>3</sup>/h  
Head: up to 305 m  
Temperature: up to +120 °C  
Speed: 2900 rpm or 3500 rpm  
Size: up to 4 pump units as standard.  
Standard motor IE3. IE4-IE5 available on request

**Operation conditions**  
Clean, non-flammable and non-explosive liquid  
Liquid temperature: -15 °C to +120 °C  
Ambient temperature: up to +40 °C

**Material**  
Cast Iron, AISI304 SS, AISI316 SS



# VSDN, VSD1-5

## Variable frequency driver

**Applications**  
Industrial and irrigation installations

**Main features**  
Energy savings

Process control and regulation

Speeding up or slowing down

Smart system control: Electrical protections, alarms & input/output data management

VSD1



VSD2-3



VSDN



VSD5



# X-FIRE

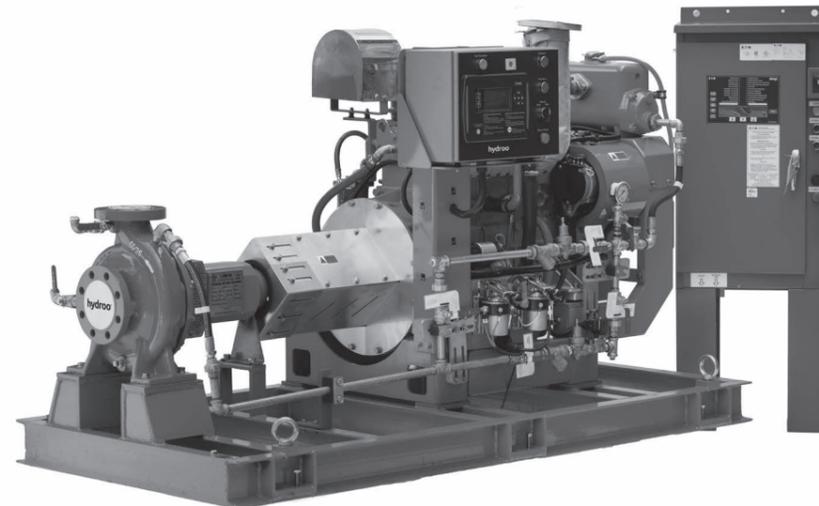
## Packaged Fire-fighting sets

**Applications**  
Fire service applications including: Office buildings / Hospitals / Airports / Manufacturing facilities / Warehouses / Power station / Schools / Hotels

**Performance range**  
Flow range: up to 4500 m<sup>3</sup>/h  
Head: up to 200 m  
Electric or diesel drivers  
Standards: EN12845

**Operation conditions**  
Clean, non-flammable and non-explosive liquid

**Material**  
Cast Iron, AISI304 SS







202603-BRO-GEN-EN  
subject to amendments

# BE PUMPING PARTNERS

## **HYDROO Pump Industries SL**

Carrer La Banyeta Nova, 11  
Poligon Industrial La Banyeta  
17843 Palol de Revardit  
Catalonia. Spain

Tel. +34 972 394 654  
E-mail: [info@hydroo.com](mailto:info@hydroo.com)

[www.hydroo.com](http://www.hydroo.com)

