

hydroo

HYDROO is present in all the European 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



Picture: Gorgs de les Planes de Hostoles (Garrotxa county, Catalonia).

Lovely place where you can visit the three main gorges, the gorge of Santa Margarida, the gorge of La Plana and the gorge of Molí dels Murris.

La Plana and the gorge of Molí dels Murris.

These natural pools of clean, transparent and fresh water together with its waterfall make it an idyllic and unique natural space.

oordinates:

Longitude: 2.5482400 Latitude: 42.0721300



hylite

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



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.



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.



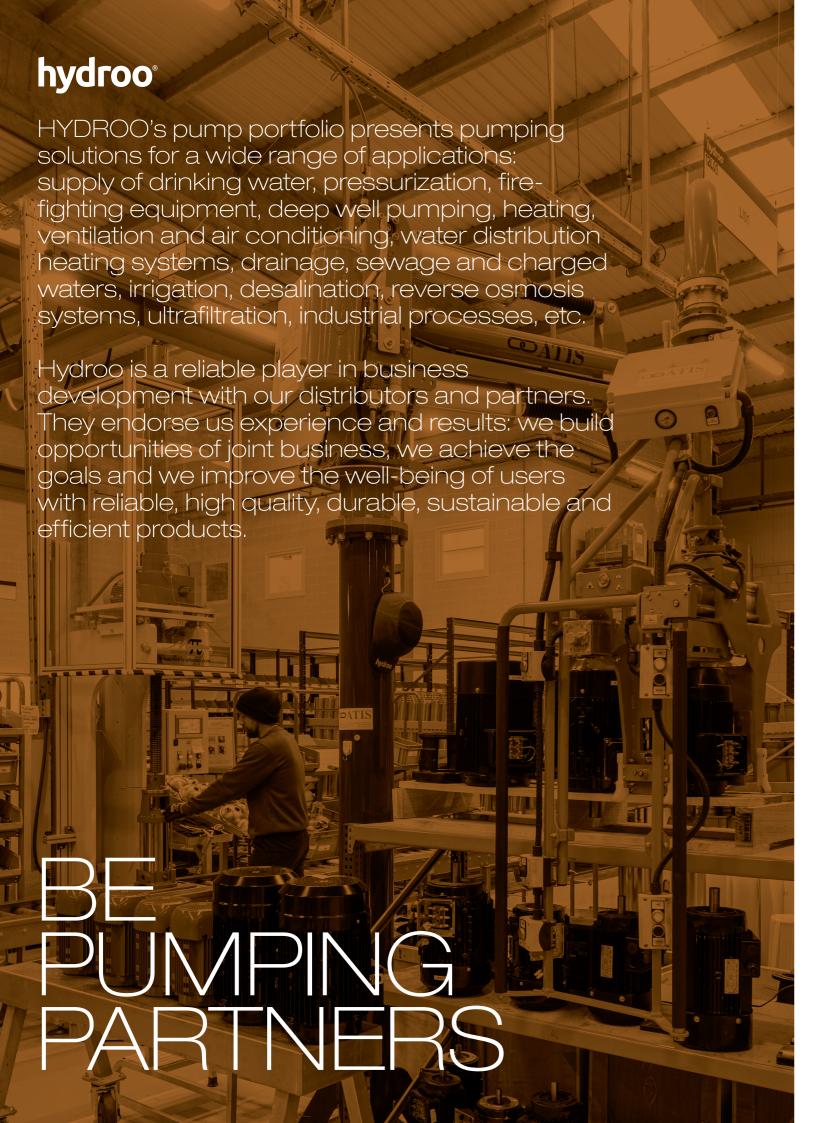
hynovative

Commitment to the implementation of the innovation process a strategic pilar of the company. Transfer new ideas to realities that evolve pumping industry and internalize the process 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**.



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

10.000/1/.7200

Solutions for flows up to 10.000 m³/h. Powers up to 1 MW. Pressures up to 72 bar (7.200 kPa)

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

5,000/7

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

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

50

Present in more than 50 international fairs

200.000

200.000 units installed in the industrial sector

We sell to 60 countries. Distributors all over the continents. Main partners in all the European countries. We are in the most important vendor lists.

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

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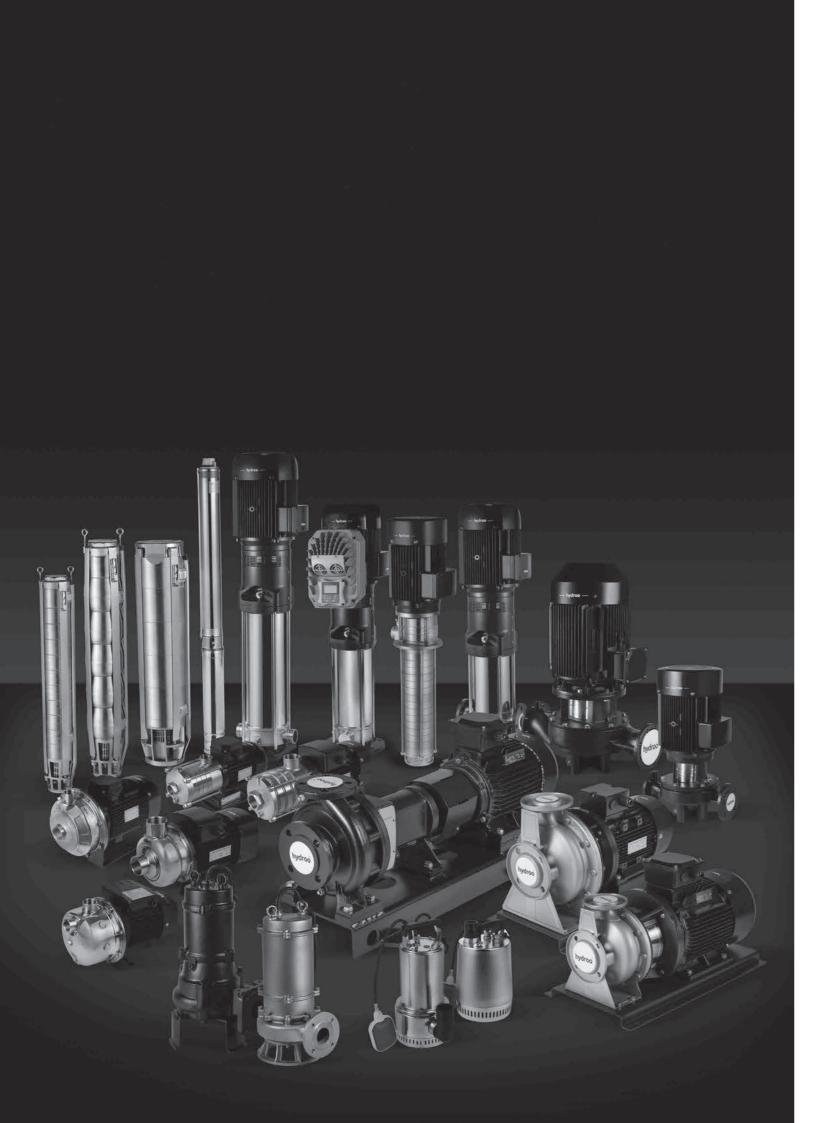
Corporate web in 10 languages

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

4/1,000/40/160

4 test benches for testing up to 1.000 m³/h, 40 bar, 160 kw, according to ISO 9906:2012 Grade 3B

Extensive level of services for the client: optimization of delivery times, HyV1deos marketing tools, Hy2ls 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



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HSCSingle stage double suction split case pump

VF, VXVertical multistage stainless steel centrifugal pump

VN, VD Vertical multistage stainless steel customized centrifugal pump	08
VTP, VTPS, VTPM High pressure twin pump set	09
VKF, VKX, VKN Immersion type multistage centrifugal pump	09
VYP Vertical multistage pump	10
HDROO SERIES	
HYP Multistage horizontal pump	10
HF, HX, HN Horizontal multistage stainless steel centrifugal pump	11
HJ Stainless steel self-priming jet pump	11
HPRESS Smart booster set	12
MDROO SERIES	
MX, MN Stainless steel horizontal single-stage centrifugal pump	12
MXO, MXC	

NDROO SERIES

Open impeller single stage pump

NSX, NSN Stainless steel horizontal single stage centrifugal pump	
NLF, NLFX Single stage end suction centrifugal pump	

VF, VX

Vertical multistage stainless steel pump

Applications

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

Performance range

Flow range: up to 240 m³/h Head: up to 305 m Temperature: up to +120 °C Speed: 2900 rpm or 3500 rpm Power: up to 110 kW

Operation conditions

Clean, non-flammable and non-explosive liquid Liquid temperature: -15 °C to +120 °C (180 °C) Ambient temperature: up to +40 °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 $2\overline{40}$ m³/h (VD from 25-240 m³/h) Head: up to 305 m Temperature: up to +120 °C Speed: 2900 rpm or 3500 rpm Power: up to 110 kW

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 twin pump set

Applications

Water treatment by ultrafiltration RO systems / Booster systems / High pressure flushing systems / Water supply / Seawater desalination

Performance range

Flow range: up to 55 m³/h
Head: up to 740 m
Temperature: up to +120 °C
Speed: 2900 rpm or 3500 rpm
Power: up to 55 kW

Operation conditions

Clean, non-flammable and non-explosive liquid Liquid temperature: -15 $^{\circ}\mathrm{C}$ to +120 $^{\circ}\mathrm{C}$ Ambient temperature: up to +40 $^{\circ}\mathrm{C}$

Materia

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 m³/h
Head: up to 305 m
Temperature: up to +120 °C
Speed: 2900 rpm or 3500 rpm
Power: up to 45 kW

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



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VYP



| Vertical multistage | pump

Applications

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

Performance range

Flow range: up to 18 m³/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 an discharge in Cast Iron Diffusers in Technopolymer

HYP

Horizontal multistage pump

Annlications

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

Performance range

Flow range: up to 7,2 m³/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 an discharge in Cast Iron Diffusers in Technopolymer



HF, HX, HN



| Horizontal multistage | stainless steel pump

Applications

Cooling water system / Aquiculture /
Domestic water supply / General industrial
services / Washing / Environment

Performance range

Flow range: up to 32 m³/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

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 m³/h Head: up to 50 m Temperature: up to +60 °C Speed: 2900 rpm Power: up to 0,75 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



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HPRESS

Smart booster set

Applications

Domestic water supply and boosting / Garden and irrigation / General industrial

Performance range

Flow range: up to 6 m³/h
Head: up to 50 m
Temperature: up to +40 °C
Speed: 2900 rpm up to 5.000 rpm
Power: up to 0,75 kW
Self priming: up to 8 m

Operation conditions

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

Material

AISI304 SS Diffusers in Technopolymer



MX, MN

Stainless steel horizontal single-stage pump

Applications

Water treatment systems / Water supply for family houses, for small hotel and small office buildings / Garden and irrigation systems / Other pressure boosting systems

Performance range

Flow range: up to 26 m³/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



MXO, MXC

Open impeller single stage pumps

Applications

Cooling systems / Main HVAC applications / Industrial washing machines / Supply of water in buildings / Farms or fountains

Performance range

Flow range: up to 60 m³/h Head: up to 22 m Temperature: up to +90 °C Speed: 2900 rpm Power: up to 3 kW

Operation conditions

Clean, non-flammable and non-explosive liquid

Material

AISI304 SS



NSX, NSN



Stainless steel horizontal single-stage pump

Applications

Cooling water / Water supply / Distribution / Drainage / General industrial services

Performance range

Flow range: up to 200 m³/h Head: up to 70 m Temperature: up to +100 °C Speed: 2900 rpm or 3500 rpm Power: up to 37 kW

Operation conditions

Clean, non-flammable and non-explosive liquid

Material

AISI304 SS, AISI316 SS

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NLF, NLFX

Single stage end suction pump

Applications

Cooling water / Water supply / Distribution / Drainage / General industrial services

Performance range

Flow range: up to 800 m³/h
Head: up to 160 m
Temperature: up to +110 °C
Speed: 1450/2900 rpm or 1750/3500 rpm
Power: up to 160 kW

Operation conditions

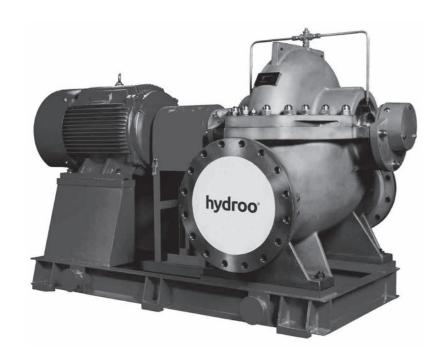
Clean, non-flammable and non-explosive liquid

Material

Cast Iron, Bronze, AlSI304 SS, AlSI316 SS, Duplex



HSC



Single stage double suction split case pump

Applications

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

Performance range

Flow range: up to 10.000 m³/h Head: up to 200 m Temperature: up to +110 °C Speed: 710 rpm up to 3500 rpm

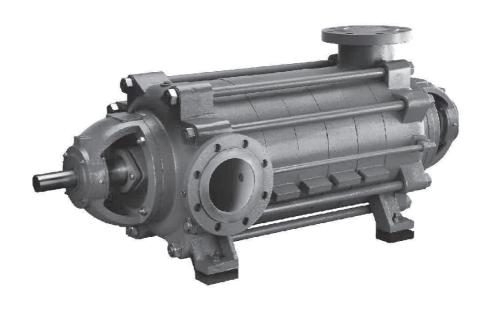
Operation conditions

Clean, non-flammable and non-explosive liquid

Material

Cast Iron, Bronze, AlSI304 SS, AlSI316 SS, Duplex

HHP



Multistage high pressure horizontal pump

Applications

Municipal water supply & drainage / Small boiler feed systems / Water supply for high buildings / Mining drainage / Seawater desalination / Gardening irrigation systems / Firefighting systems / Other industrial systems

Performance range

Flow rate: 3.75 ~ 1020 m³/h Head: 19 ~ 1080 m Temperature: up to +80 °C

Operation conditions

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

Material

Cast Iron, Cast steel, Stainless steel

LS

Vertical turbine pump

Applications

Cooling Water / Seawater and raw water intake / Industrial process pumps / Utility circulating water / Condenser circulating water pumps / Ash sluice / 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, AlSI304 SS, AlSI316 SS, Duplex



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HZ

Polymeric end suction pump

Applications

Alkali & acid production / Metal smelting industry / Chemical synthesis / Paper-making industry / Pickling processes in electroplating / Other corrosive liquids transferring

Performance range

Flow range: up to 60 m³/h Head: up to 52 m Temperature: up to +120 °C Speed: 2900 rpm Power: up to 18,5 kW

Operation conditions

Clean liquids Medium density: Max 1.35x 103kg/m³ Pressure: Max 10bar

Materia

FEP = Fluorinated ethylene propylene



TX, TF

Vertical in-line circulation pump

Application

Cooling water / Water supply / Distribution / Drainage / Irrigation / General industrial services / Boosting

Performance range

Flow range: up to 750 m³/h
Head: up to 90 m
Temperature: up to +110 °C
Speed: 1450/2900 rpm or 1750/3500 rpm
Power: up to 132 kW

Operation conditions

Clean, non-flammable and non-explosive liquid

Material

Cast Iron, AISI304 SS



HQX



Stainless steel self-priming gas-liquid pump

Applications

Alkali & acid production / Metal smelting industry / Chemical synthesis / Paper-making industry / Pickling processes in electroplating / Other corrosive liquids transferring

Performance range

Flow range: up to 18 m³/h
Head: up to 70 m
Temperature: up to +120 °C
Speed: 2900 rpm
Power: up to 7,5 kW
Gas-liquid ratio 1:9 (Gas suction volume 8-10%)

Operation conditions

Clear and low viscosity líquids

Material

AISI304 SS

TR, TRE, TRB, TRBE, TRX

D State Later Transmission Communication Com

Wet rotor circulating pump

Application:

Domestic boilers / Air conditioning systems

Performance range

Flow range: up to 10 m³/h Head: up to 8,5 m Speed: 2900 rpm Power: up to 230 W TR / TRB / TRX: 3 speeds TRE / TRBE: electronic

Operation conditions

Clean, non-flammable and non-explosive liquid

Material

Casing Cast Iron
Impeller Technopolymer
Shaft an bearing in ceramics

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KN

Stainless steel swimming pool pump

Applications

Water filtration in comercial and large swimming pools

Performance range

Flow range: up to 200 m³/h Head: up to 70 m Temperature: up to +100 °C Speed: 2900 rpm or 3500 rpm Power: up to 37 kW

Operation conditions

Clean, non-flammable and non-explosive liquid

Material

AISI316 SS



KOOLI



Residential swimming pool pump

Applications

Water filtration in residential swimming pools

Performance range

Flow range: up to 33 m³/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 AlSl316 SS Mechanical seal in CSi/Graphite/AlSl316 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 m³/h Head: up to 450 m Temperature: up to +50 °C Speed: 2900 rpm or 3500 rpm Power: up to 350 kW Immersíon depth: up to 300 m Sizes: 4" to 12"

Operation conditions

Clean, non-flammable and non-explosive liquid

Material

AISI304 SS, AISI316 SS, Duplex



HYO, HYA



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

Application

Borehole wells / Open tanks / Dams

Performance range

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

Material

AISI304 SS, AISI316 SS, Duplex

18 | **hydroo**"

SXB

5" compact submersible pump

Applications

For water supply from wells or reservoirs /
For domestic use, for civil and industrial applications /
For garden use and irrigation

Performance range

Flow range: up to 8,5 m³/h
Head: up to 110 m
Temperature: up to +40 °C
Speed: 2900 rpm
Power: up to 2 kW
Sand content: 50 g/m³
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

For water supply from wells or reservoirs /
For domestic use, for civil and industrial applications /
For garden use and irrigation

Performance range

Flow range: up to 6 m³/h
Head: up to 155 m
Temperature: up to +40 °C
Speed: 2900 rpm
Power: up to 1,1 kW
Sand content: 150 g/m³
Immersíon 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

For water supply from wells or reservoirs /
For domestic use, for civil and industrial applications /
For garden use and irrigation

Performance range

Flow range: up to 24 m³/h Head: up to 300 m Temperature: up to +40 °C Speed: 2900 rpm Power: up to 7,5 kW Sand content: 150 g/m³ Immersíon 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

Borehole wells / Open tanks / Dams

Performance range

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

Material

AISI304 SS





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WRAINOX, WUP

Submersible stainless steel vortex pump

Applications

Raw water / Domestic and semiindustrial waster water / Rain water / Sewage works / General industrial services / Construction

Performance range

Flow range: up to 36 m³/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



WF, WX



Submersible sewage pump

Applications

Raw water / Domestic and semiindustrial waster water / Rain water / Sewage Works / General industrial services / Construction

Performance range

Flow range: up to 1100 m³/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

WG, WV

Submersible sewage grinder and vortex pump

Applications

Raw water / Domestic and semiindustrial waster water / Rain water / Sewage works / General industrial services / Construction

Performance range

Flow range: up to 80 m³/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



WPF, WPX



Non-clogging self-priming sewage pump

Application

Rain water and common sewage / Industrial sewage water / Wine and sugar industry / Sewage water in the city

Performance range

Flow range: up to 700 m³/h Head: up to 70 m Temperature: up to +100 °C Power: up to 90 kW

Operation conditions

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

Material

Cast Iron, AISI304 SS

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HC

Electronic pump controllers

Applications

Residential and irrigation installations

Performance range

Automatic device for electric pump integral control

Electronic pressure switch with dry contact output for control panels

Electronic pressure switch

Automatic digital pumpdriver G1 ¼". On-off and pressure-dependent mode





HC2



HC3



HC4



VSD1-5

Variable frequency driver

Applications Industrial and irrigation installations

Perfomance range

Energy savings

Process control and regulation

Speeding up or slowing down

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

VSD1

VSD3



VSD2



VSD5



XBOOST

Variable speed booster sets

Applications

Water supply for residential & public buildings / Garden irrigation / Water supply for industrial uses / Other applications

Performance range

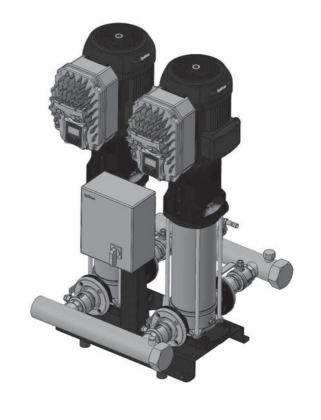
Flow range: up to 1440 m³/h Head: up to 305 m Temperature: up to +120 °C Speed: 2900 rpm or 3500 rpm Size: up to 4 pump units as standard.

Operation conditions

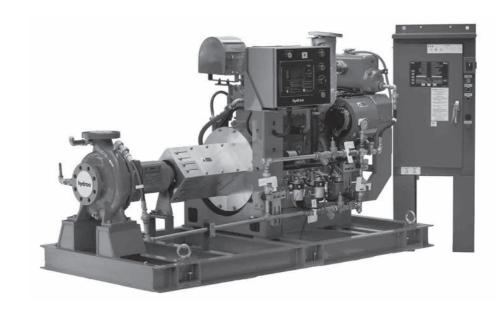
Clean, non-flammable and non-explosive liquid Liquid temperature: -15 °C to +120 °C Ambient temperature: up to +40 °C

Material

Cast Iron, AISI304 SS, AISI316 SS



X-FIRE



Packaged Firefighting sets

Applications

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

Performance range

Flow range: up to 4500 m³/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

PRESURIZACIÓN HORIZONTAL | 25

Notes	





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