

HIDRO PUMP CATALOGUE

HIGH HEAD PRESURE DEWATERING PUMPS 415 VOLTS

50 Hz

STAINLESS STEEL

STANDARD



DEWATERING HIGH HEAD STAINLESS STEEL PUMPS 415V

At Hidro Pumps, we provide expertly designed equipment that offers practical and efficient solutions for a vast range of pumping applications. Our strength lies in our ability to deliver superior technology that solves complex fluid management challenges. Every product in our portfolio is a testament to our core principles of precision, power, and innovation, ensuring you receive a reliable and high-performance solution tailored to your specific operational needs.

Our comprehensive product range are engineered to perform in the most demanding industrial environments.

Designed for robust and efficient water removal, our dewatering pumps are essential for maintaining dry and safe conditions in construction sites, mines, and municipal works. These pumps are built to handle high volumes of water, even with light abrasives, providing dependable performance when you need it most.

Products

STAINLESS STEEL

Dewatering High Head Pumps

Power: 1.5kW / 2hp to 167kW / 225hp

Flow: 12l/s up to 50l/s

Height: 80m up to 300m

Voltage: 415v



Espada
HH15

Diablo
HH26

Gallardo
HH60

Lanzador
HP225

STANDARD

Dewatering High Head Pumps

Power: 1.5kW / 2hp to 167kW / 225hp

Flow: 12l/s up to 50l/s

Height: 80m up to 300m

Voltage: 415v



Espada
HH15

Diablo
HH26

Gallardo
HH60

Lanzador
HP225

Contact Your Local Dowdens Account Manager

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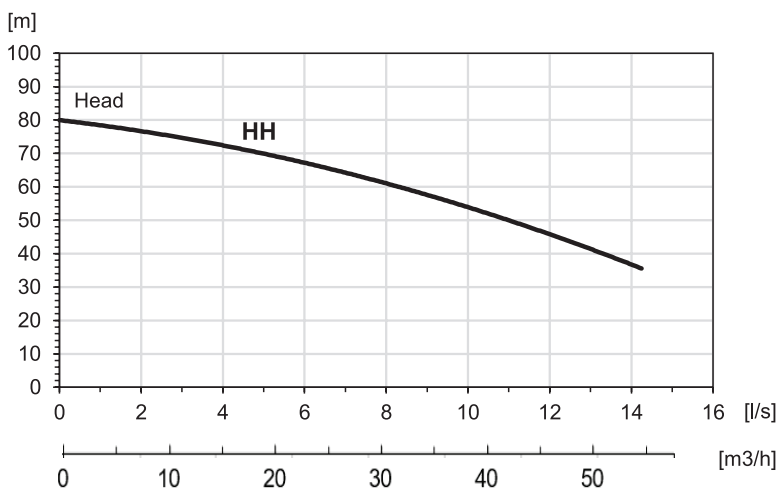
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STAINLESS STEEL



Electric submersible drainage pump, available in various aluminium and stainless steel alloys. For applications in mines, power plants and other industries to handle abrasive solids and water.

50 Hz	HH
Power, [kW / HP]	11 / 15
Voltage, V	380 / 400 / 500
Nominal current, A	20.8 / 19.8 / 15.8
Weight, kg	120
Max. height, mm	917
Max. width, mm	342
Discharge, in.	3"
Strainer opening Ø, mm	7



Models

HH: Maximum Pressure

Classification

Submersible electric pump

Electric motor

Three-phase squirrel cage motor.

Speed: 2950 RPM

Insulation class: H

Start: Direct

Max. number of starts per hour: 12

Motor protection

Three-phase squirrel cage motor.

Protection: IP 68

Cable

4Gx10mm² + 2x1.5mm², 20m^(*)

Mechanical seals

Double mechanical seal in water and oil chamber.

Rotary seal material: Silicon carbide

Stationary seal material: Silicon carbide

Elastomers: Viton

Bearings

Deep groove ball bearing C3.

Discharge connection

3" HH ^(*)

Limitations

Maximum submersion: 20m

Maximum liquid temperature: 40°C

Liquid pH range: 2 - 11

Available materials

Cover: Stainless steel

Cylinder: Stainless steel

Strainer: Stainless steel

Impeller: Stainless steel

Diffusers: Stainless steel + PU

Shaft: AISI 431 Stainless steel

Screws/Nuts: Stainless steel

This pump must be connected to an external electrical cabinet with adequate protections.

*Specifications are subject to change without notice.

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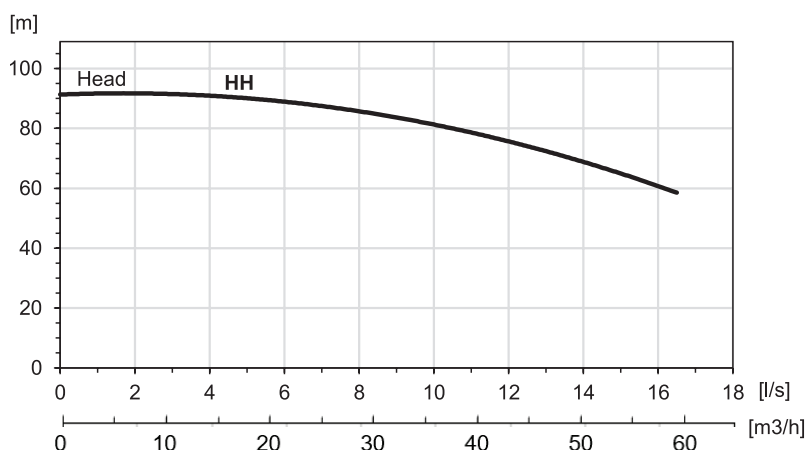
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Electric submersible drainage pump, available in various aluminium and stainless steel alloys. For applications in mines, power plants and other industries to handle abrasive solids and water.

50 Hz	HH
Power, [kW / HP]	19 / 26
Voltage, V	380 / 400 / 500
Nominal current, A	37.2 / 35.3 / 28.3
Weight, kg	320
Max. height, mm	1234
Max. width, mm	461
Discharge, in.	4"
Strainer opening Ø, mm	12



Models

HH: Maximum Pressure

Classification

Submersible electric pump

Electric motor

Three-phase squirrel cage motor.
Speed: 2950 RPM
Insulation class: H
Start: Direct
Max. number of starts per hour: 12

Motor protection

Thermal contacts in the winding.
Protection: IP 68

Cable

4Gx10mm² + 2x1.5mm², 20m^(*)

Mechanical seals

Double mechanical seal in water and oil chamber.
Rotary seal material: Silicon carbide
Stationary seal material: Silicon carbide
Elastomers: Viton

Bearings

Lower: Angular contact bearing C3
Upper: Deep groove ball bearing C3

Discharge connection

4" HH ^(*)

Limitations

Maximum submersion: 20m
Maximum liquid temperature: 40°C
Liquid pH range: 2 - 11

Available materials

Cover: Stainless steel
Cylinder: Stainless steel
Strainer: Stainless steel
Impeller: Stainless steel
Diffusers: Stainless steel + PU
Shaft: AISI 431 Stainless steel
Screws/Nuts: Stainless steel

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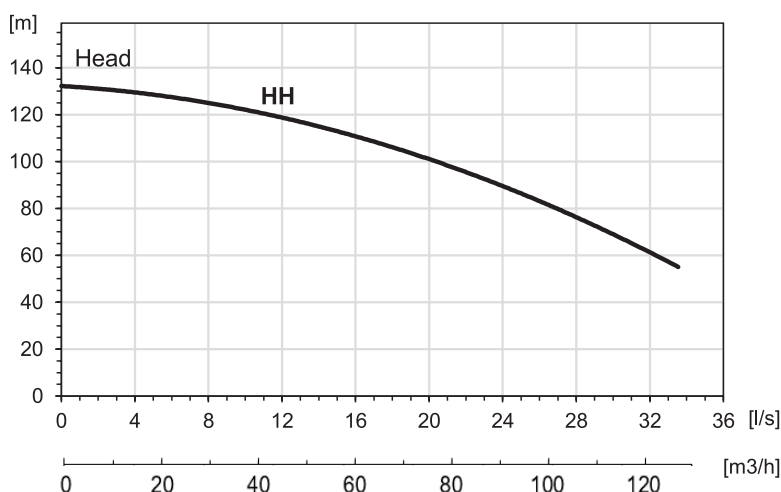
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Electric submersible drainage pump, available in various aluminium and stainless steel alloys. For applications in mines, power plants and other industries to handle abrasive solids and water.

50 Hz	HH
Power, [kW / HP]	45 / 60
Voltage, V	380 / 400 / 500
Nominal current, A	86.4 / 82.1 / 65.7
Weight, kg	385
Max. height, mm	1358
Max. width, mm	533
Discharge, in.	4"
Strainer opening Ø, mm	12

**Models**

HH: Maximum Pressure

Classification

Submersible electric pump

Electric motor

Three-phase squirrel cage motor.

Speed: 2950 RPM

Insulation class: H

Start: Direct / Star-Delta

Max. number of starts per hour: 12

Motor protection

Thermal contacts in the winding.

Protection: IP 68

Cable

Star-Delta: 2 Cables 4Gx10mm² + 2x1.5mm², 20m^(*)

Direct: 1 Cable 4Gx25mm² + 2x1.5mm², 20m^(*)

Mechanical seals

Double mechanical seal in water and oil chamber.

Rotary seal material: Silicon carbide

Stationary seal material: Silicon carbide

Elastomers: Viton

Bearings

Lower: Double angular contact ball bearing C3

Upper: Deep groove ball bearing C3

Discharge connection

4" HH

Limitations

Maximum submersion: 20m

Maximum liquid temperature: 40°C

Liquid pH range: 2 - 11

Available materials

Cover: Stainless steel

Cylinder: Stainless steel

Strainer: Stainless steel

Impeller: Stainless steel

Diffusers: Stainless steel + PU

Shaft: AISI 431 Stainless steel

Screws/Nuts: Stainless steel

This pump must be connected to an external electrical cabinet with adequate protections.

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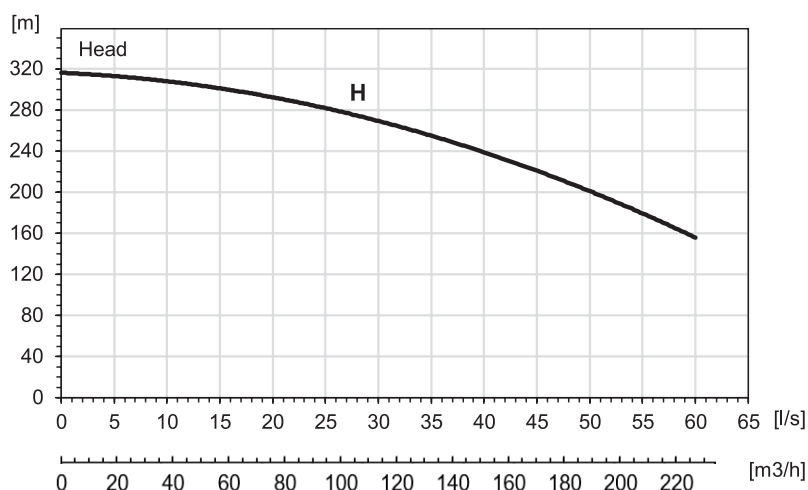
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STAINLESS STEEL


* Reference image

Electric submersible drainage pump, available in various aluminium and stainless steel alloys. For applications in mines, power plants and other industries to handle abrasive solids and water.

50 Hz	H
Power, [kW / HP]	167 / 225
Voltage, V	380 / 400 / 500
Nominal current, A	300 / 285 / 228
Weight, kg	1560
Max. height, mm	1525
Max. width, mm	712
Discharge, in.	6"
Strainer opening Ø, mm	12


Models

H: 3 Stage High Pressure

Classification

Submersible electric pump

Electric motor

Three-phase squirrel cage motor, 2 poles.

Speed: 2950 RPM

Insulation class: H

Start: Star-Delta, Soft Starter

Max. number of starts per hour: 12

Motor protection

Thermal contacts in the winding.

Protection: IP 68

Cable

4Gx50mm² + 2x1.5mm², 20m^(*)

Mechanical seals

Double mechanical seal in water and oil chamber.

Rotary seal material: Silicon carbide

Stationary seal material: Silicon carbide

Elastomers: Viton

Bearings

Upper: 2 Angular contact bearings

Lower: Cylindrical roller bearing

Discharge connection

6" H

Limitations

Maximum submersion: 20m

Maximum liquid temperature: 40°C

Liquid pH range: 2 - 11

Available materials

Cover: Nodular cast iron ASTM A536

Strainer: Carbon steel ASTM A36

Impeller: High chrome steel ASTM A532 / Stainless Steel AISI 316.

Diffusers: Nodular cast iron ASTM A536

Shaft: AISI 431 Stainless steel

Screws/Nuts: Stainless steel

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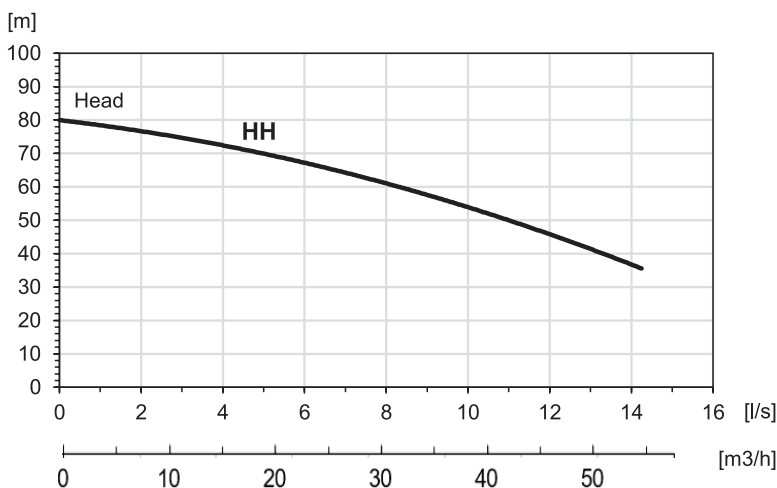
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Electric submersible drainage pump, available in various aluminium and stainless steel alloys. For applications in mines, power plants and other industries to handle abrasive solids and water.

50 Hz	HH
Power, [kW / HP]	11 / 15
Voltage, V	380 / 400 / 500
Nominal current, A	20.8 / 19.8 / 15.8
Weight, kg	97
Max. height, mm	917
Max. width, mm	342
Discharge, in.	3"
Strainer opening Ø, mm	7



Models

HH: Maximum Pressure

Classification

Submersible electric pump

Electric motor

Three-phase squirrel cage motor.
Speed: 2950 RPM
Insulation class: H
Start: Direct
Max. number of starts per hour: 12

Motor protection

Three-phase squirrel cage motor.
Protection: IP 68

Cable

4Gx10mm² + 2x1.5mm², 20m^(*)

Mechanical seals

Double mechanical seal in water and oil chamber.
Rotary seal material: Silicon carbide
Stationary seal material: Silicon carbide
Elastomers: Viton

Bearings

Deep groove ball bearing C3.

Discharge connection

3" HH ^(*)

Limitations

Maximum submersion: 20m
Maximum liquid temperature: 40°C
Liquid pH range: 5 - 8

Available materials

Cover: Aluminium
Cylinder: Carbon steel
Strainer: Carbon steel
Impeller: High chrome steel / Stainless steel
Diffusers: Aluminium + PU
Shaft: AISI 431 Stainless steel
Screws/Nuts: Stainless steel

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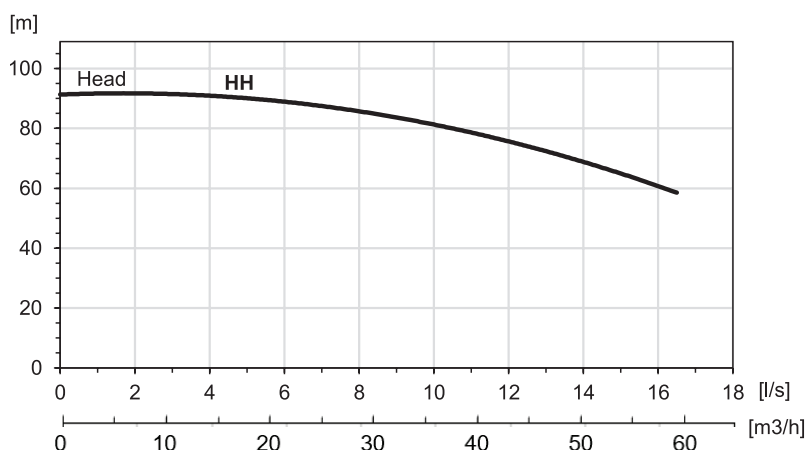
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Electric submersible drainage pump, available in various aluminium and stainless steel alloys. For applications in mines, power plants and other industries to handle abrasive solids and water.

50 Hz	HH
Power, [kW / HP]	19 / 26
Voltage, V	380 / 400 / 500
Nominal current, A	37.2 / 35.3 / 28.3
Weight, kg	195
Max. height, mm	1234
Max. width, mm	461
Discharge, in.	4"
Strainer opening Ø, mm	12



Models

HH: Maximum Pressure

Classification

Submersible electric pump

Electric motor

Three-phase squirrel cage motor.
Speed: 2950 RPM
Insulation class: H
Start: Direct
Max. number of starts per hour: 12

Motor protection

Thermal contacts in the winding.
Protection: IP 68

Cable

4Gx10mm² + 2x1.5mm², 20m^(*)

Mechanical seals

Double mechanical seal in water and oil chamber.
Rotary seal material: Silicon carbide
Stationary seal material: Silicon carbide
Elastomers: Viton

Bearings

Lower: Angular contact bearing C3
Upper: Deep groove ball bearing C3

Discharge connection

4" HH ^(*)

Limitations

Maximum submersion: 20m
Maximum liquid temperature: 40°C
Liquid pH range: 5 - 8

Available materials

Cover: Aluminium
Cylinder: Carbon steel
Strainer: Carbon steel
Impeller: High chrome steel / Stainless steel
Diffusers: Aluminium + PU
Shaft: AISI 431 Stainless steel
Screws/Nuts: Stainless steel

This pump must be connected to an external electrical cabinet with adequate protections.

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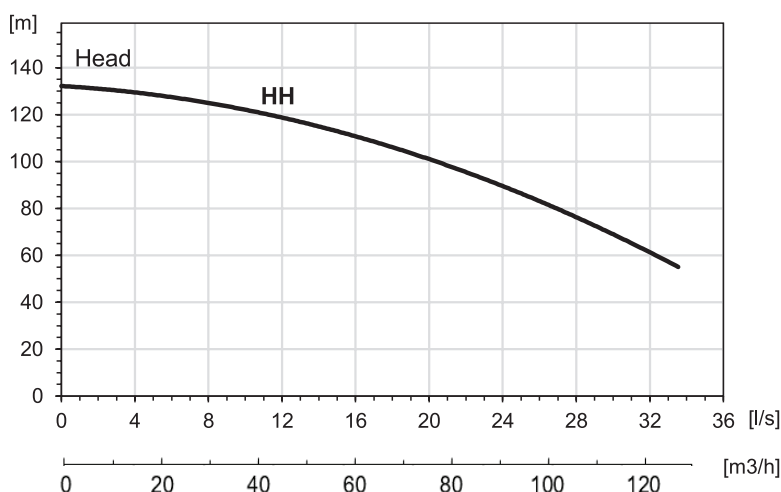
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50 Hz	HH
Power, [kW / HP]	45 / 60
Voltage, V	380 / 400 / 500
Nominal current, A	86.4 / 82.1 / 65.7
Weight, kg	310
Max. height, mm	1358
Max. width, mm	533
Discharge, in.	4"
Strainer opening Ø, mm	12



Models

HH: Maximum Pressure

Classification

Submersible electric pump

Electric motor

Three-phase squirrel cage motor.

Speed: 2950 RPM

Insulation class: H

Start: Direct / Star-Delta

Max. number of starts per hour: 12

Motor protection

Thermal contacts in the winding.

Protection: IP 68

Cable

Star-Delta: 2 Cables 4Gx10mm² + 2x1.5mm², 20m^(*)

Direct: 1 Cable 4Gx25mm² + 2x1.5mm², 20m^(*)

Mechanical seals

Double mechanical seal in water and oil chamber.

Rotary seal material: Silicon carbide

Stationary seal material: Silicon carbide

Elastomers: Viton

Bearings

Lower: Double Angular contact ball bearing C3

Upper: Deep groove ball bearing C3

Discharge connection

4" HH

Limitations

Maximum submersion: 20m

Maximum liquid temperature: 40°C

Liquid pH range: 5 - 8

Available materials

Cover: Aluminium

Cylinder: Carbon steel

Strainer: Carbon steel

Impeller: High chrome steel / Stainless steel

Diffusers: Aluminium + PU

Shaft: AISI 431 Stainless steel

Screws/Nuts: Stainless steel

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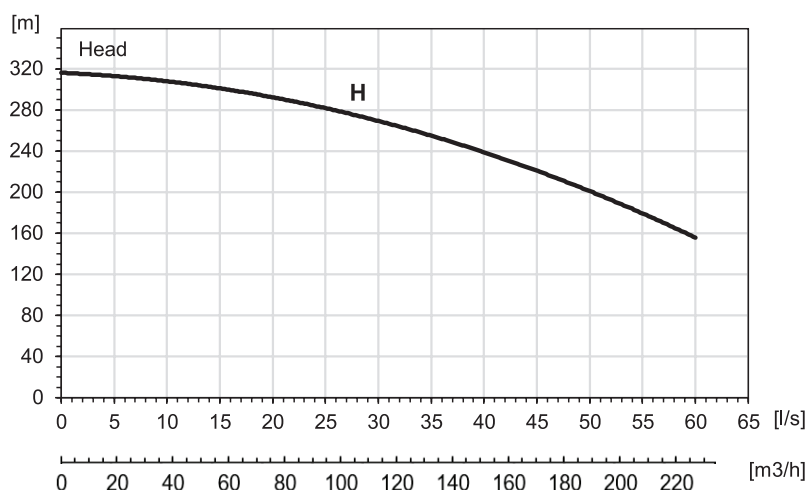
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50 Hz	H
Power, [kW / HP]	167 / 225
Voltage, V	380 / 400 / 500
Nominal current, A	300 / 285 / 228
Weight, kg	1395
Max. height, mm	1525
Max. width, mm	712
Discharge, in.	6"
Strainer opening Ø, mm	12


Models

H: 3 Stage High Pressure

Classification

Submersible electric pump

Electric motor

Three-phase squirrel cage motor, 2 poles.

Speed: 2950 RPM

Insulation class: H

Start: Star-Delta, Soft Starter

Max. number of starts per hour: 12

Motor protection

Thermal contacts in the winding.

Protection: IP 68

Cable

4Gx50mm² + 2x1.5mm², 20m^(*)

Mechanical seals

Double mechanical seal in water and oil chamber.

Rotary seal material: Silicon carbide

Stationary seal material: Silicon carbide

Elastomers: Viton

Bearings

Upper: 2 Angular contact bearings

Lower: Cylindrical roller bearing

Discharge connection

6" H

Limitations

Maximum submersion: 20m

Maximum liquid temperature: 40°C

Liquid pH range: 5 - 8

Available materials

Cover: Nodular cast iron ASTM A536

Strainer: Carbon steel ASTM A36

Impellers: High chrome steel ASTM A532 / Stainless

Steel AISI 316.

Diffusers: Nodular cast iron ASTM A536

Shaft: AISI 431 Stainless steel

Screws/Nuts: Stainless steel

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