



Submersible drainage and sludge pumps made of stainless steel for mines, processing industries and salt-water applications.

Drainage pumps:

- Minette
- Major
- Master

Sludge pumps:

- Salvador
- Senior
- Sandy

60 Hz





Drainage and sludge pumps for corrosive applications

INOX is a completely new series of electrical submersible drainage and sludge pumps made of acid-proof stainless steel. This enables the pumps to operate in applications that would destroy aluminum pumps in matter of weeks or even days. The INOX pumps are designed to meet the tough requirements from mines, coal power plants and other worksites that deal with corrosive water and sludge.

The INOX pumps are also ideal in applications where saltwater is pumped, like shipyards, construction works in harbors and offshore projects. All casted parts in the pumps are made of acid-proof stainless steel. These pumps can be equipped with zinc anodes for extra protection. Since the INOX pumps are corrosion proof, they have longer lifetime and higher durability in corrosive environments. All INOX pumps can handle pH values from 2 - 10.





Translating user requirements into product features

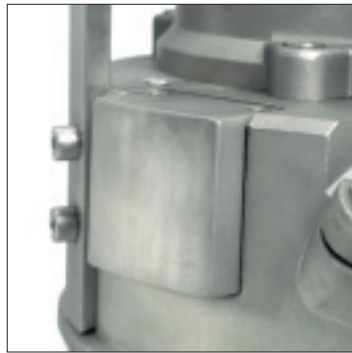
Grindex has supplied mines, constructions sites, quarries and other demanding industries with durable and reliable pumps for some 50 years. The INOX pumps allow other markets to discover trouble-free dewatering. The six pumps in the range have an output of 2-13 HP and cover almost any application within building and construction, mining, quarries and tunneling as well as municipal and other demanding industries. The new pumps are designed to dramatically reduce operational costs.

Dependability you can rely on

The INOX pumps offer all the benefits you have come to expect from Grindex pumps.

- Reliability thanks to:
 - Air valve that cools the pump should it run dry.
 - SMART motor protection system, protects the pump from damage caused by different power failures.
- All in the head:
 - Built-in start equipment in almost all pumps, no need of external start equipment.

Grindex – Trouble-free dewatering



Air valve
Cools the pump should it
run dry



Built-in start equipment
Plug and pump



Master in action



Sandy in action



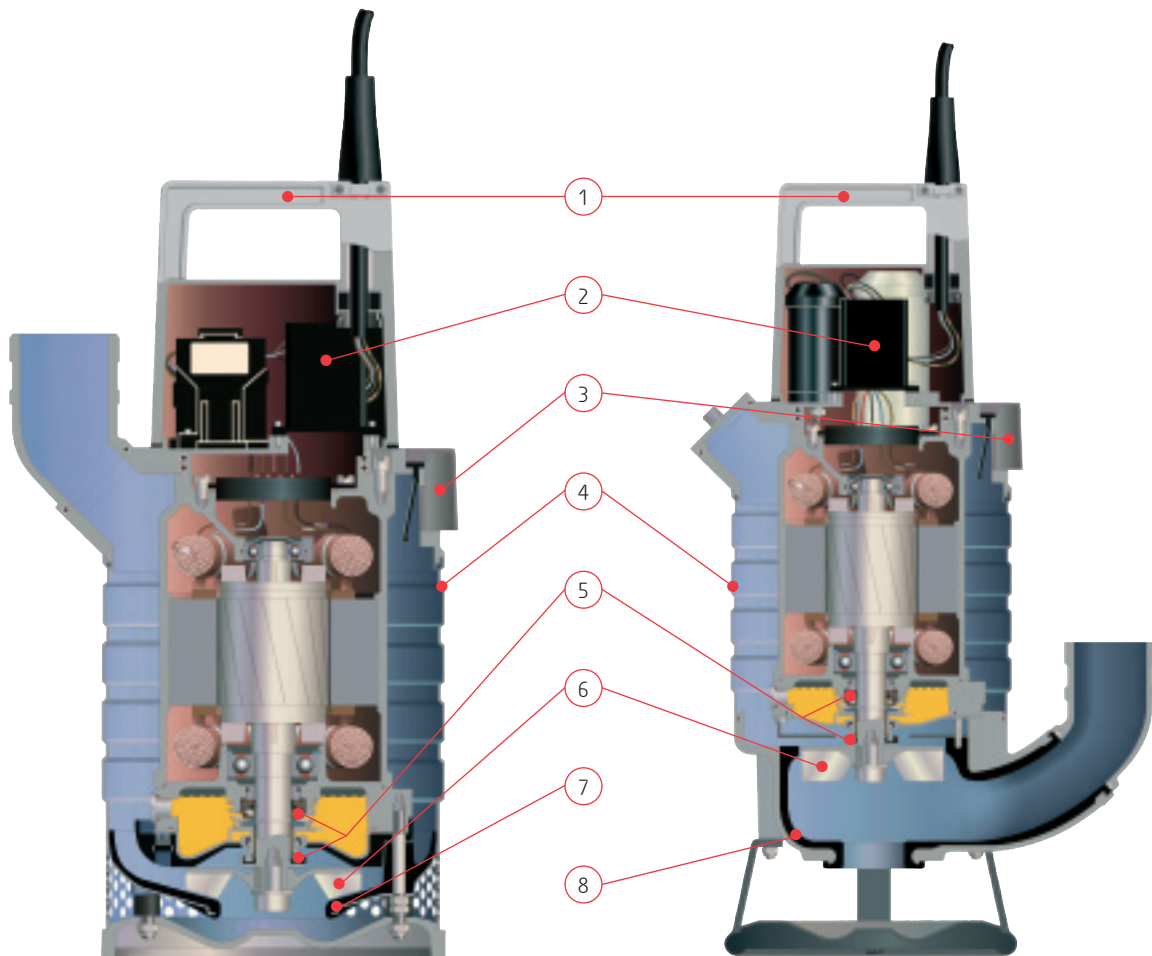
Drainage and sludge pumps for corrosive applications

A drainage pump (Minette INOX – Master INOX) is designed for pumping:

- Water with particles in suspensions up to the size of the strainer holes. The particles may be abrasive.

A sludge pump (Salvador INOX – Sandy INOX) is designed for pumping:

- Water with high content of solids up to the size of the pump inlet opening diameter.
- Water which contain abrasive particles
- Different types of mud and sludge
- Light slurry



This is what makes our stainless steel pumps unique

1 Steel parts of stainless steel

All steel parts are made of stainless steel. This gives a pH handling of 2-10, as well as capabilities to handle salt-water.

2 SMART motor protection

Protects the pump from damage caused by different power failures

3 Air valve

Cools the pump should it run dry

4 Outer casing in corrugated stainless steel

Handles rough treatment

5. Aquatite INOX - Double mechanical shaft seals

Double mechanical shaft seals with an oil compartment between the seals

6. Stainless steel impeller

The casted acid-proof stainless steel impeller ensures pumping capacities in corrosive fluids.

7. Adjustable diffusers (drainage pumps)

The diffusers are adjustable to maintain optimum pumping performance.

8. Rubber lined pump housing (sludge pumps)

Highly abrasive-resistant, oil-resistant rubber lined pump housing offers a longer life.



Technical data

DRAINAGE PUMPS

Accessories

Zinc anodes
Low suction collar
Float switch
Tandem connection

Shaft seals

Double mechanical shaft seals with an oil compartment between the seals
Material lower seal: Silicon carbide - silicon carbide
Material upper seal: Carbon - silicon carbide

Materials

Casted parts: Stainless steel (ASTM CF-8M)
Outer casing: Stainless steel (AISI 316L)
Motor shaft: Stainless steel (AISI 329)
Impeller: Stainless steel (ASTM CF-8M)
Screws & Nuts: Stainless steel (A4)
O-rings: Viton rubber
Diffusers: Nitrile rubber

Water specifications

Limitations
Max. liquid temperature: 104°F
Max. liquid density: 68 lbs/ft³
pH of the liquid: 2-10*
*(Dependent on temperature, consult factory)

Specifications can be changed without notice.

SLUDGE PUMPS

Accessories

Zinc anodes
Float switch

Shaft seals

Double mechanical shaft seals with an oil compartment between the seals
Material lower seal: Silicon carbide - silicon carbide
Material upper seal: Carbon - silicon carbide

Materials

Casted parts: Stainless steel (ASTM CF-8M)
Outer casing: Stainless steel (AISI 316L)
Motor shaft: Stainless steel (AISI 329)
Impeller: Stainless steel (ASTM CF-8M)
Screws & Nuts: Stainless steel (A4)
O-rings: Viton rubber
Pump housing: Nitrile rubber

Water specifications

Limitations
Max. liquid temperature: 104°F
Max. liquid density: 68 lbs/ft³
pH of the liquid: 2-10*
*(Dependent on temperature, consult factory)

Specifications can be changed without notice.

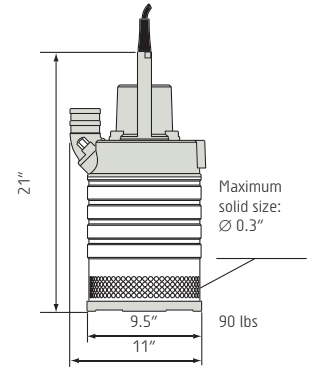
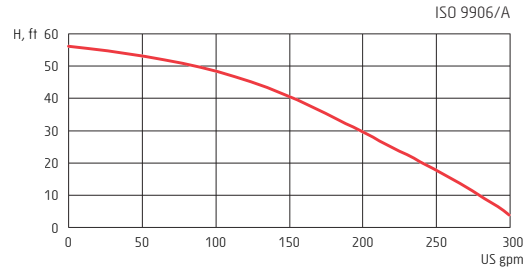


DRAINAGE PUMPS: MINETTE - MASTER

MINETTE INOX

Technical data

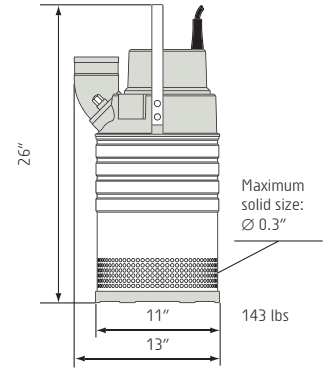
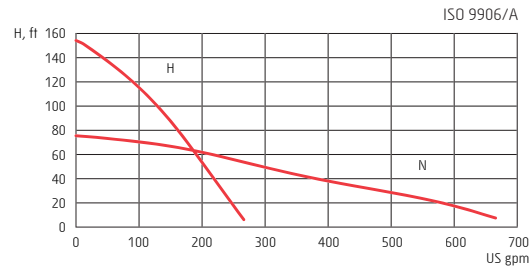
Discharge connection	3"
Rated power	3.5 HP
Max power consumption	2.7 kW
Shaft speed	3320 RPM
Rated current at 460 V	3.4 A



MAJOR INOX

Technical data

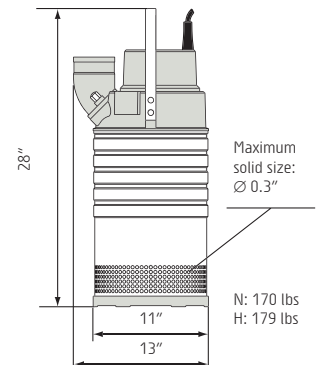
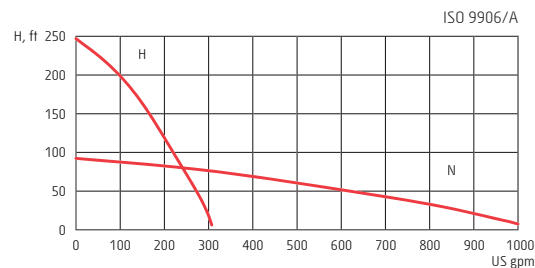
	N	H
Discharge connection	3"	4"
Rated power	9.0 HP	9.0 HP
Max power consumption	6.0 kW	6.4 kW
Shaft speed	3400 RPM	3400 RPM
Rated current at 460 V	8.7 A	9.2 A



MASTER INOX

Technical data

	N	H
Discharge connection	3"	4"
Rated power	13 HP	13 HP
Max power consumption	11 kW	11 kW
Shaft speed	3400 RPM	3400 RPM
Rated current at 460 V	15 A	15 A



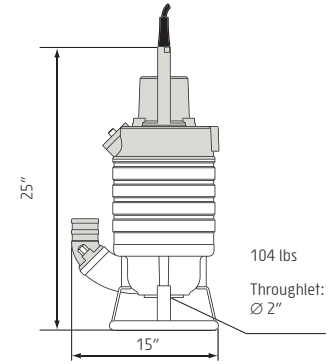
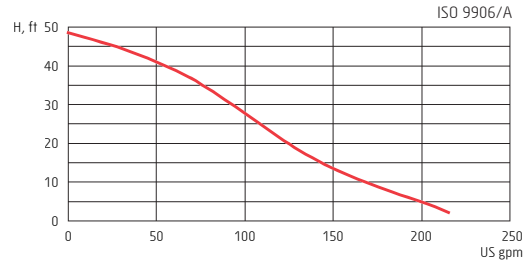


SLUDGE PUMPS: SALVADOR – SANDY

SALVADOR INOX

Technical data

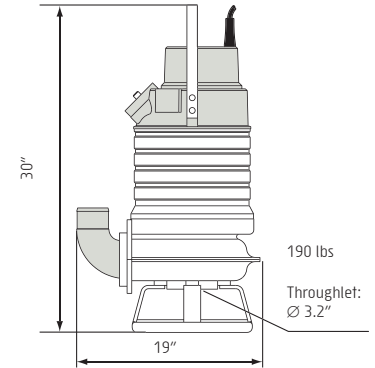
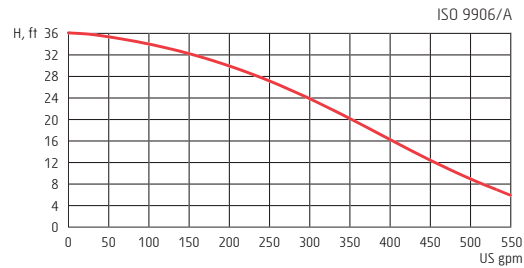
Discharge connection	3"
Rated power	3.5 HP
Max power consumption	2.7 kW
Shaft speed	3320 RPM
Rated current at 460 V	3.4 A



SENIOR INOX

Technical data

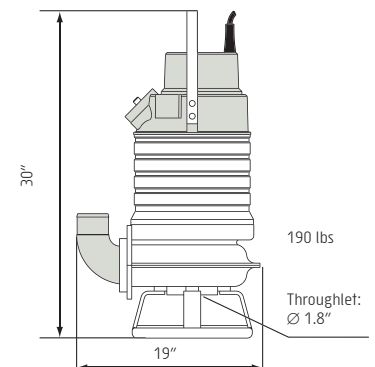
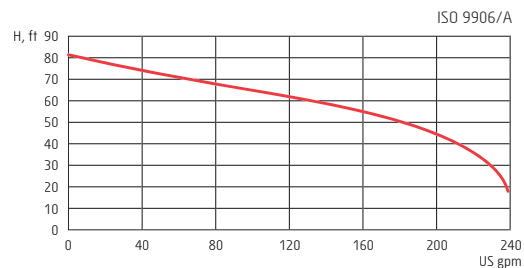
Discharge connection	4"
Rated power	6.8 HP
Max power consumption	5.8 kW
Shaft speed	1700 RPM
Rated current at 460 V	8.7 A



SANDY INOX

Technical data

Discharge connection	4"
Rated power	9.0 kW
Max power consumption	7.6 kW
Shaft speed	3400 RPM
Rated current at 460 V	11 A





The Grindex team.

For some 50 years, Grindex has specialized in designing and manufacturing electrical submersible pumps for professionals. Durable and dependable, they are used in the most demanding and specialized applications worldwide. We have delivered over 300,000 pumps in more than 100 countries.

We offer pumps for almost any application. Our range includes drainage pumps, sludge pumps, slurry pumps and stainless steel pumps.

When you are running a Grindex pump, you can rest assured that a dedicated team is watching your back. Our experts are always there to see to your every need. Through our global network of sales and service centers, we provide the best level of support possible – day and night, seven days a week.

It's all part of the service.

For more information, please visit www.grindexpumps.com