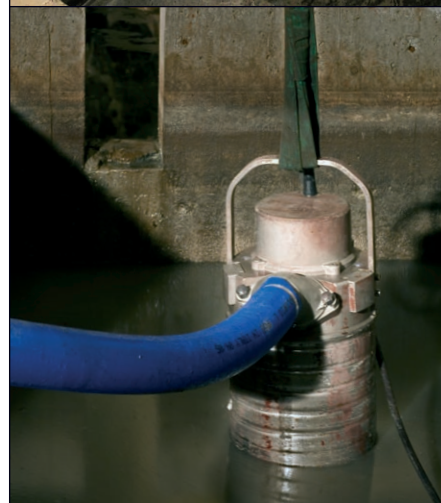


Submersible drainage pump for corrosive applications

GRINDEX



**MASTER
INOX**



Drainage pump made of stainless steel

This pump is designed for unsupervised operation during extended periods in mines, processing industries, shipyards and other hostile environments. It can handle pH values from 2 - 10.

50 Hz

Drainage pump for corrosive applications

Master Inox is a completely new submersible drainage pump, made of acid resistant stainless steel. It originates from Grindex well known Proline pump Master. The pump is designed to meet the tough requirements from mines, construction sites and other applications that deal with corrosive water. One application is copper mines, where the water becomes caustic and destroys conventional pumps in matter of days. Another application is coal power plants, where water containing abrasive solids with high pH values must be pumped in the neutralizing process.

When the ocean is near...

The pump is also suitable in applications where saltwater is pumped, like shipyards, construction works in harbours and offshore projects. A saltwater fish farm is another application, where a stainless pump is a more economic alternative. Stainless steel withstands the saltwater over long time better than most other materials.

...only acid resistant stainless steel is good enough

All casted parts in the pumps are made of acid resistant stainless steel. Since Master Inox is corrosion resistant, it has longer lifetime and higher durability in corrosive environments. Acidulous fluids are normally the biggest problem for conventional pumps. Master Inox, however, can handle pH values from 2 - 10.

All drainage and sludge pumps from Grindex are equipped with the patented air valve that allows the pump to run dry over extended periods without damage. The pumps can also be equipped with the internal motor protection SMART.

Grindex is a world leader in designing and producing electrical submersible drainage and sludge pumps, and has been so ever since the start back in 1960. Maximum dependability and high capacity in relation to the size make Grindex pumps the obvious choice for mines, construction sites and industries all over the world.

Technical data for Master INOX

Pump types

N: Normal pressure
H: High pressure, two stage

Classification

Electrical submersible pump
Protection class: IP68, 20 m

Power cable

H07RN8-F, length 20 m

Discharge connections

3-4", hose, BSP or NPT threaded

Materials

Casted parts	Stainless steel (EN 10283-1.14412)
Outer casing	Stainless steel (EN 10088-3-1.14436)
Motor shaft	Stainless steel (EN 10088-3-1.14460)
Impeller	Stainless steel (EN 10283-1.14412)
Screws and nuts	Stainless steel (A4)
O-rings	Viton rubber
Diffusers	Nitrile rubber

Bearings

Double shielded ball bearings.

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

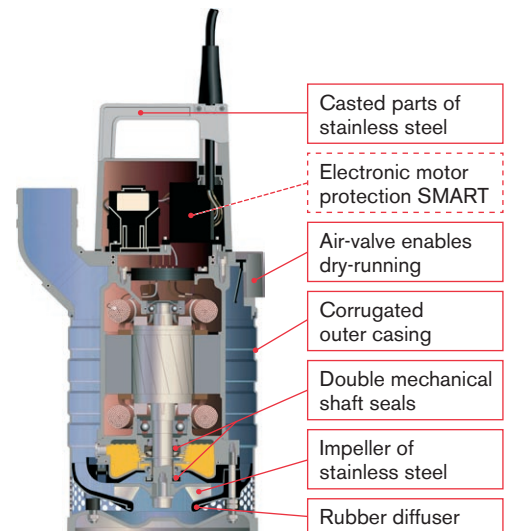
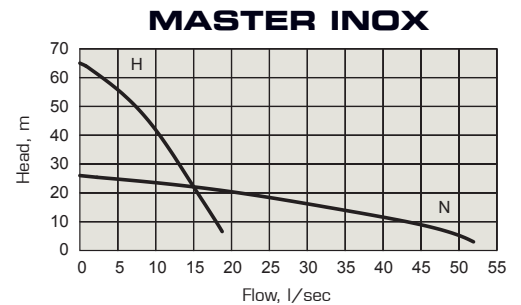
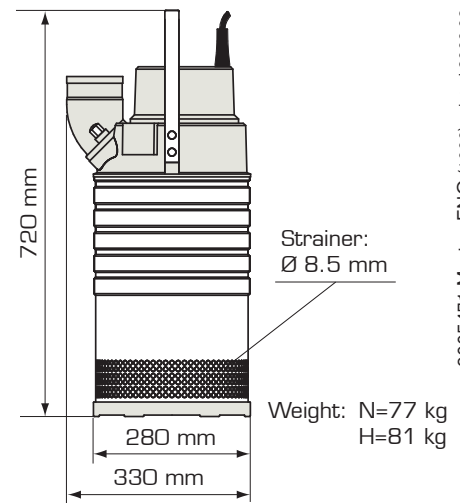
Electrical data

Rated output	8,0 kW
Max. power consumption	9,3 kW
Shaft speed	2800 r.p.m.
Rated current at 400 V	15 A
500 V	12 A

Limitations

Max. liquid temperature	40° C
Max. liquid density	1100 kg/m ³
pH of the liquid	2-10

Specifications can be changed without notice.



GRINDEX