

# BOREHOLE PUMPS IN HIGH PRECISION CASTED STAINLESS STEEL



**caprari**

pumping power

# RESISTANCE & EFFICIENCY NO LIMITS

**caprari**



 **ENDURANCE**  
+RESISTANCE +PERFORMANCE

**DEFENDER**  
Caprari International Patent

**HT BEARING**  
Caprari International Patent



THE STRENGTH OF  
HIGH PRECISION CASTED STAINLESS STEEL

**IDEAL FOR**

**WATER SUPPLY**

**MINING**

**DESALINATION**

**OFFSHORE**

## THE POWER AND RELIABILITY OF HIGH PRECISION CASTED STAINLESS STEEL

ENDURANCE pumps are ideal for applications with **sea water, aggressive liquids** and **high sand contents**. The series is designed to guarantee the best performance even in extreme conditions

Thanks to the **Caprari patents**, ENDURANCE borehole pumps guarantee **long life** with reduced maintenance operations

Coupling with Caprari submersible motors is a guarantee of **high energy savings**



6" → 12"

### TECHNICAL DATA

Capacity up to 190 l/s	Head up to 850 m	Frequency 50-60 Hz	Power up to 440 kW
---------------------------	---------------------	-----------------------	-----------------------

### OPERATING LIMITS

Solids quantity up to 150 g/m <sup>3</sup>	Salinity degree up to 40.000 ppm	Liquid temperature up to 65°C
---	-------------------------------------	----------------------------------

## WHY CHOOSE ENDURANCE

### AISI 316 HIGH PRECISION CASTINGS

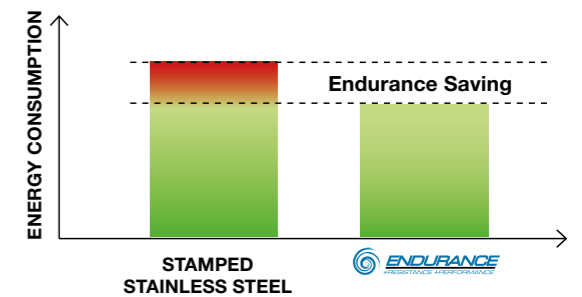
#### MAXIMUM RESISTANCE AGAINST CORROSION AND ABRASION

- Quality of materials
- No weldings
- High thickness of the components



#### HIGH ENERGY SAVING

- Smooth surfaces
- Efficiency over 80%
- Optimized impellers on the duty point



#### International Patent



#### ANTICORROSION DEVICE

1. It speeds up the **passivation of stainless steel components** ensuring **total pump protection**
2. Thanks to this patented solution, a **safety barrier** is created **against galvanic currents and electrochemical corrosion**

#### International Patent



#### HIGH THRUST BEARING

1. **Maximum resistance to axial thrusts up to 70.000N**, 3 times higher than traditional devices
2. **Simplicity and reliability**: unique innovative design with **reduced number of components**

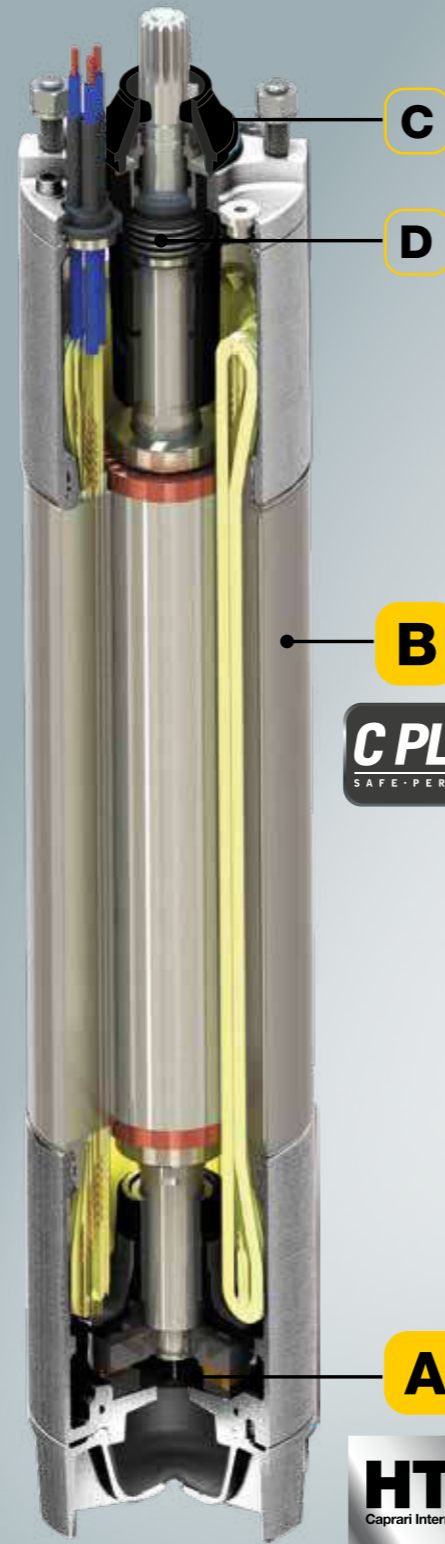
DISCOVER MORE  
3D ENDURANCE  
VIDEO



## THE BEST BOREHOLE PUMP EVEN IN EXTREME APPLICATIONS



**DEFENDER**  
Caprari International Patent



**C PLUS+**  
SAFE - PERFORMANCE

**HT BEARING**  
Caprari International Patent

### 1 AISI 316 HIGH PRECISION CASTINGS

- High thicknesses of casted components
- Smooth surfaces and optimized hydraulic profiles **without weldings**

International Patent

### 2 ANTICORROSION DEVICE

- The **best solution** against the corrosion
- **Total protection:** maximum life over time

Exclusive

### 3 EXTREME PERFORMANCE BEARING BUSHES AND WEAR RINGS

- High efficiency and **sand protection**
- **Easy maintenance:** faster bearing disassembly

Exclusive

### 4 HIGH PROTECTION SUCTION CASING

- **Extreme protection of coupling area** from direct contact with the liquid
- **Longer life:** stainless steel high precision casting

## PUMP

## MOTOR

### A HIGH THRUST BEARING

- **Maximum resistance** to axial loads
- Simple and innovative design

International Patent

### B HEAVY DUTY APPLICATION MOTOR

- The **best solution** for **hot water** and **inverter** applications
- **Double insulation windings** in PE2+PA

Exclusive

### C MOTOR PROTECTOR: ANTISAND DEVICE

- **Operating safety:** protection of coupling area and mechanical seal
- **Extreme abrasion resistance**

### D HIGH QUALITY SiC/SiC MECHANICAL SEAL

- **Maximum reliability:** electric part protected from liquid entry
- The **best solution** against **sand**, **temperature shocks** and **chemicals**



pumping power



**VISIT**  
**www.caprari.com**

Leaflets and brochures can be consulted at any time and from any device



**REGISTER**  
**on our business pump selector**

Thanks to iPump, the best solution for your needs just a click away



**DOWNLOAD**  
**iPump mobile**

All catalogues available on smartphones and tablets even after downloading in offline mode



**SUBSCRIBE**  
**to our newsletter from the site**

To be updated on the latest news and events

**CONNECT**



**FOLLOW US**



**WRITE TO US**

**info@caprari.it**

ISO 9001  
ISO 14001  
ISO 45001  
BUREAU VERITAS  
Certification



Pump Control Technology

Boosting and Distribution of surface water

Wastewater Transport and Treatment

Water Collection and Distribution