

Optimize.
Protect.
Save.

MAXIMUM ENERGY EFFICIENCY

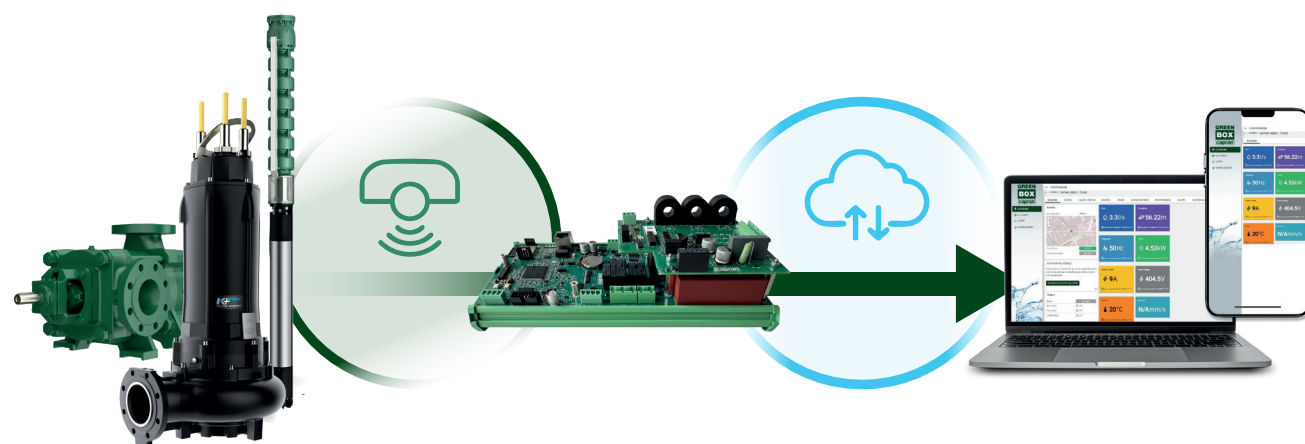




Exclusive system, unique on the market

GREEN BOX, Caprari's patented software, enables remote control of electric pumps, optimizing the duty point via smartphone, tablet or PC:

- Real-time monitoring of pump system performance
- Consumption reduction and fault prevention with a click
- Ethernet, Wi-Fi, LTE connection



OPTIONAL

LTE CONNECTION



**STAND-ALONE
TOUCHSCREEN
DISPLAY**



Managed parameters

Pressure | Flow rate | Vibration | Temperature

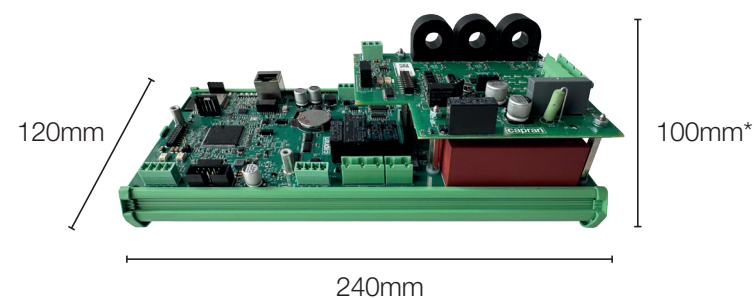
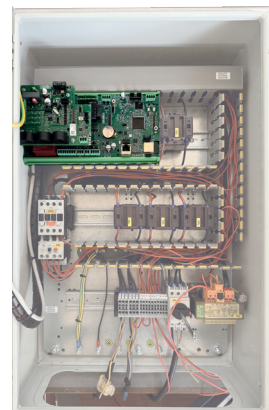
Connections

Ethernet | Wi-Fi | LTE

Easy installation

GREEN BOX can be easily installed in existing panels or new systems.

Caprari can supply the complete solution, with factory pre-assembled devices and installation assistance.



Device height: 100 mm with Energy Meter, 64 mm GREEN BOX only

Cut consumption, boost efficiency

Real-time pump optimization keeps it constantly at its **Best Efficiency Point (BEP)**

- Automatically monitors and adjusts energy consumption, reducing waste
- Continuous comparison between optimal operation and actual duty point
- Alerts when thresholds are exceeded due to deviation from set values
- Active process: remote pump shutdown
- Passive process: threshold exceedance notification

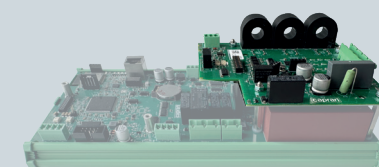
Operating characteristics at BEP

- Optimal energy consumption
- Minimal mechanical stress and wear
- Reduced risk of cavitation
- Maximum durability

Extra features for total protection

Modular structure allows upgrade to **GREEN BOX PRO** by adding the **ENERGY METER**: extra functions to ensure maximum protection for the electric pump

**ENERGY
METER
MODULE**



**GREEN
BOX
caprari** **PRO
VERSION**

MONITORING OF ELECTRIC MOTOR PARAMETERS

Constant control for correct operation and maximum performance

- Current asymmetry
- Winding insulation
- Phase sequence and failure
- Starts per hour
- Dry run
- Mechanical seal failure
- Water presence in oil chamber (K+ pumps)

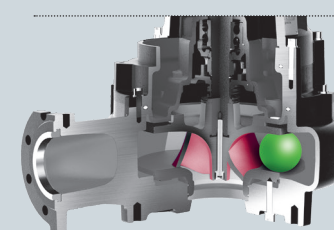


ANTI-CLOGGING FUNCTION

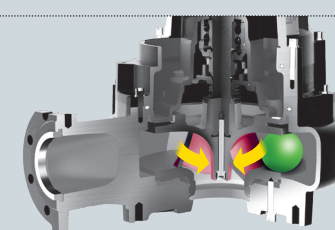
No more sudden blockages

The integrated NON STOP anti-clogging function enables pump reverse rotation: the ideal solution in case of blockage caused by solids

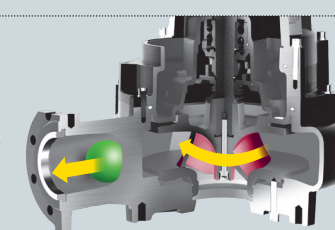
- Electric pump stops and reverses rotation to attempt unblocking
- Restarts in normal rotation direction after clog is cleared



1 STOP

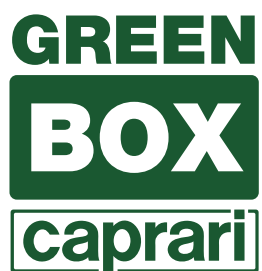


2 REVERSE ROTATION



3 RESTART



A dynamic splash of blue water with many bubbles, moving from the left side of the page towards the right, creating a sense of movement and freshness.

caprari

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