































- Field of Application
- Technical Features and Installation
- Product Range



# ESybox Line









# ESybox max



























# Esybox max







## **FIELD OF APPLICATION**

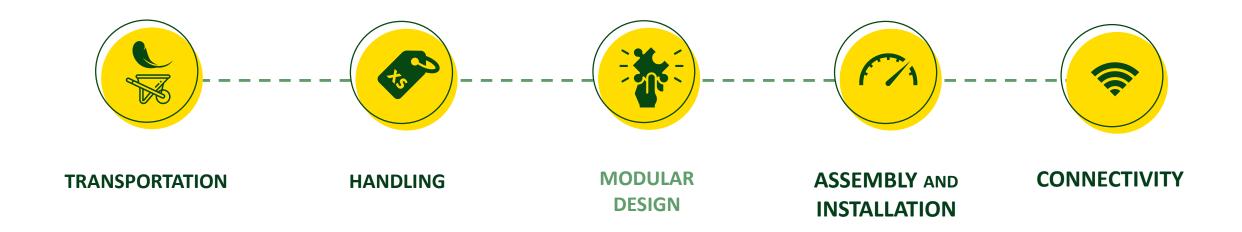


# Civil, Residential, Commercial Buildings



## It's EASY







# Modular Design

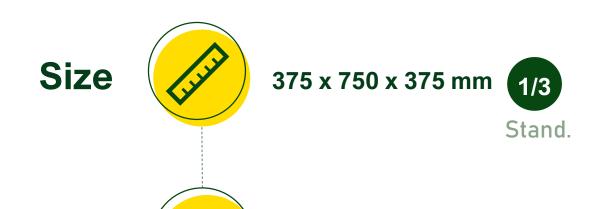


**TRANSPORTATION** 



**HANDLING** 







Weight



30 Kg



# **Fast Assembly and Installation**

# TECHNICAL COMPARTMENT

- o Quick Guide
- Blancking plug holders
- Golfare with o-ring
- Priming plug
- Terminal box









## Fast Assembly and Installation





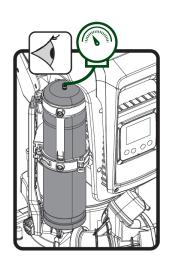




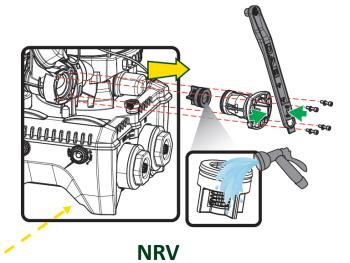
# **Components**

# **Easy Maintenance**

2 L EXPANSION VESSEL







#### **2 PRESSURE SENSORS**









pressure sensors











expansion vessel

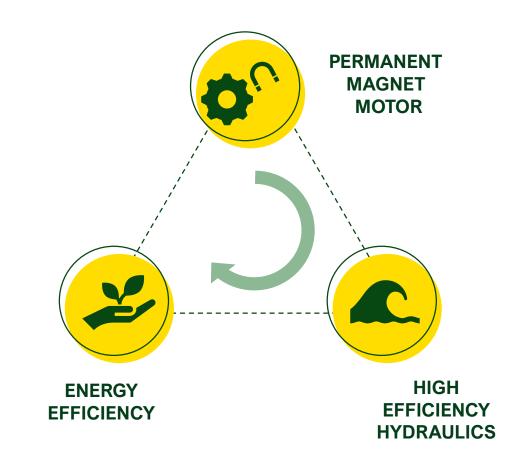


**Pump** 



# Components Comfort







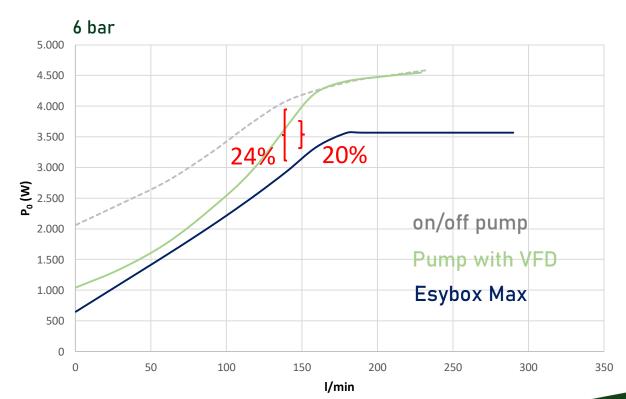




PERMANENT MAGNET MOTOR



HIGH EFFICIENCY HYDRAULICS



	pump with VFD	on/off pump
Daily	2.8 kWh	12.2 kWh
Year	1.038 kWh	4.461 kWh

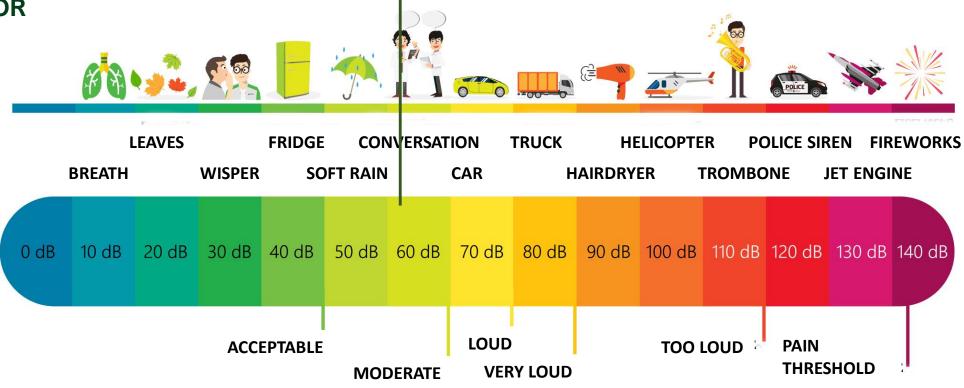
# **Comfort**Silence



# ESybox max

A little more than a **conversation** 

**63 dB** (50 l/min @ 6 bar)



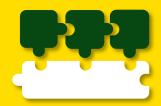


# Modular Design





2x ESYBOX MAX 1x 2 ESYDOCK MAX



3x ESYBOX MAX 1x 3 ESYDOCK MAX

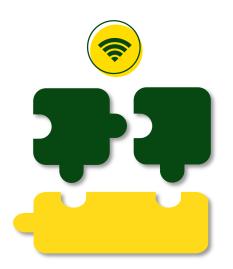


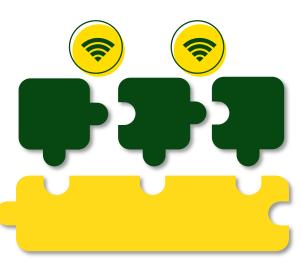
4x ESYBOX MAX 2x 2 ESYDOCK MAX

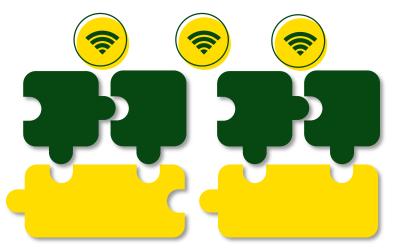




# Booster Set On Site Assembly











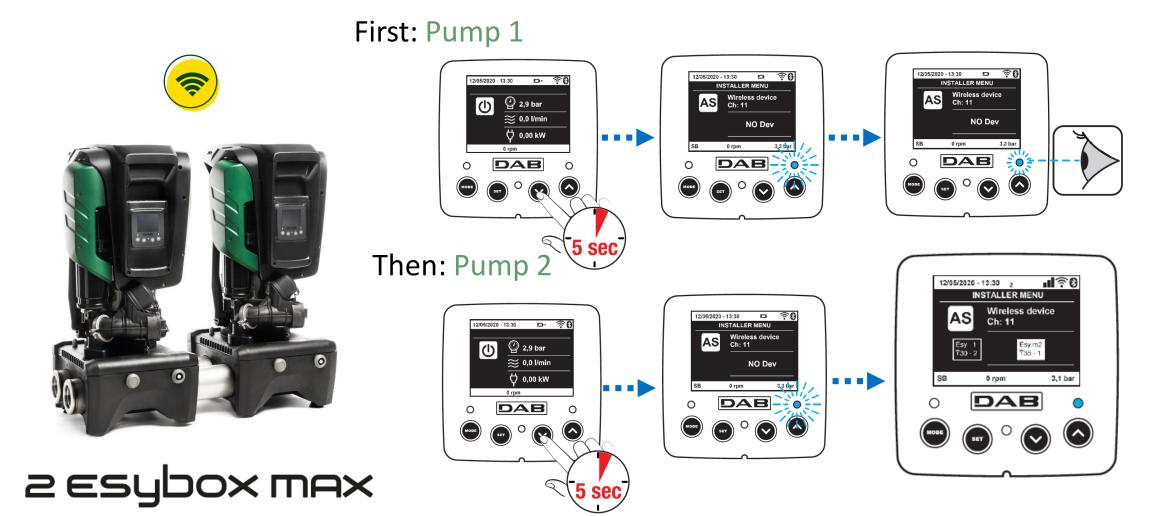


...just one person!



# Networking

## **WIRELESS** Communication





WiFi

LOCAL Connection





**Bluetooth** 

LOCAL Connection



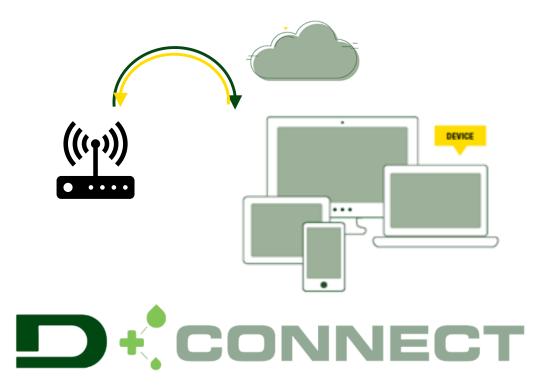
# Networking WiFi & Bluetooth







## **REMOTE Connection**





## **Control The Esybox Max with The App**

#### **LOCAL Connection (point-to-point)**





#### You can

- locally manage the pump through the App
- update the Firmware of the pump without an Internet Connection

#### **REMOTE Connection**



#### You can

- manage the pump remotely through the App
- DConnect Sign-In and Internet access are needed



## **Wireless Communication**



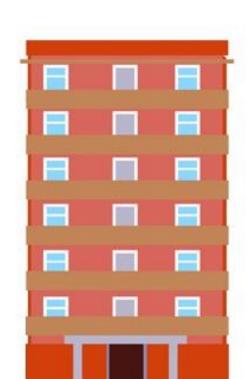






extension module

- 4 digital inputs
   floater
   pressure switch
- 1 analogue input remote pressure sensor
- 2 outputsalarmstart/stop
- 1 port for the MODBUS RTU



1

20 apartments up to 14 floors

**ESYBOX MAX 85/120 T** 

20 apartments up to 8 floors

**ESYBOX MAX 60/120 T** 

**Q MAX** =  $17.4 \text{ m}^3/\text{h}$  290 l/min

20 apartments up to 8 floors

**ESYBOX MAX 60/120 M** 









Not Self-priming



2" F
Reductions 1" 1/4 for single docking station

# • The Range

1 PUMP SOLUTION





3 PUMP SOLUTION

2 PUMP SOLUTION

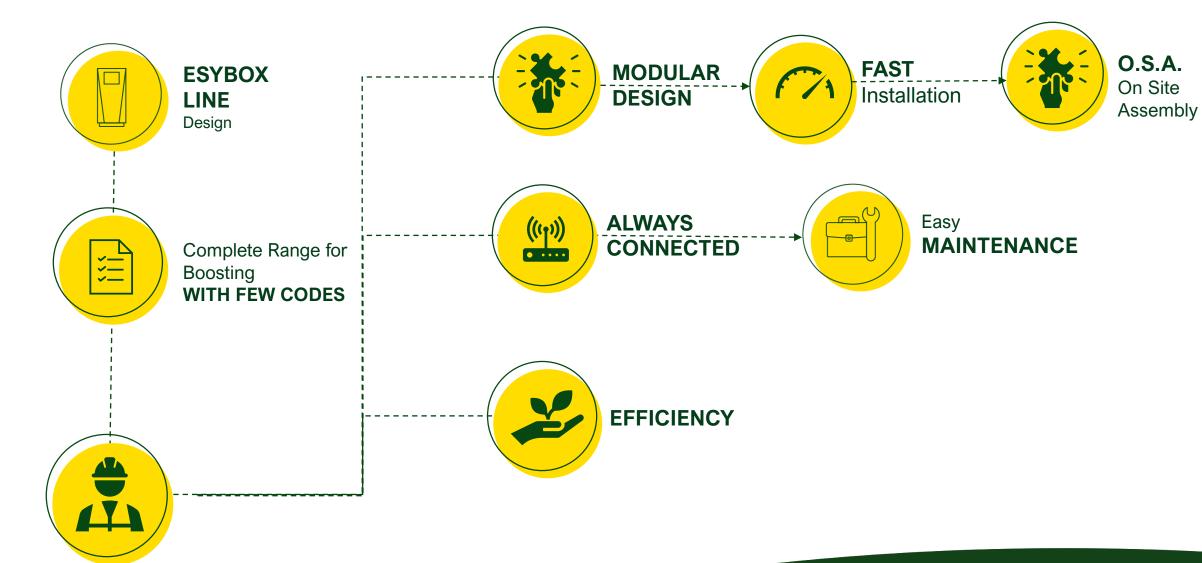




# • Why Esybox Max?

	2 KVC AD 85/120 T	2 ESYBOX MAX 85/120
	Weight: 95 kg with e.v.	Weight: 30+30+18 = 78 kg .10% Stand.
	Dimension: 560x1130x830 with e.v.	Dimension: 800x380x750 1/3 Stand.
<i>(</i> 71	IP44	IPX5
	Not removable basement	Docking Station
booster set	Up to 4 pumps + 4 VFD	Up to 4 pumps with integrated VFD
	D+ CONNECT	Wireless; WiFi; Bluetooth <b>■ CONNECT</b>
motor	not permanent magnet motor; air cooled	permanent magnet motor; water cooled
noise level (@ 6 bar)	69 dB	63 dB
temperature	Liquid: +40 °C; Ambient: +50 °C	Liquid: +50 °C; Ambient: +55 °C

# In Pills...





# https://dabpumps.com/en/dab-references















# ESYDOX DIVER and DTRON



























# **New Range**

**ON-OFF pumps** 

DT(On 2

DT(OU 3





**VFD** pump

ESYPOX DIVER







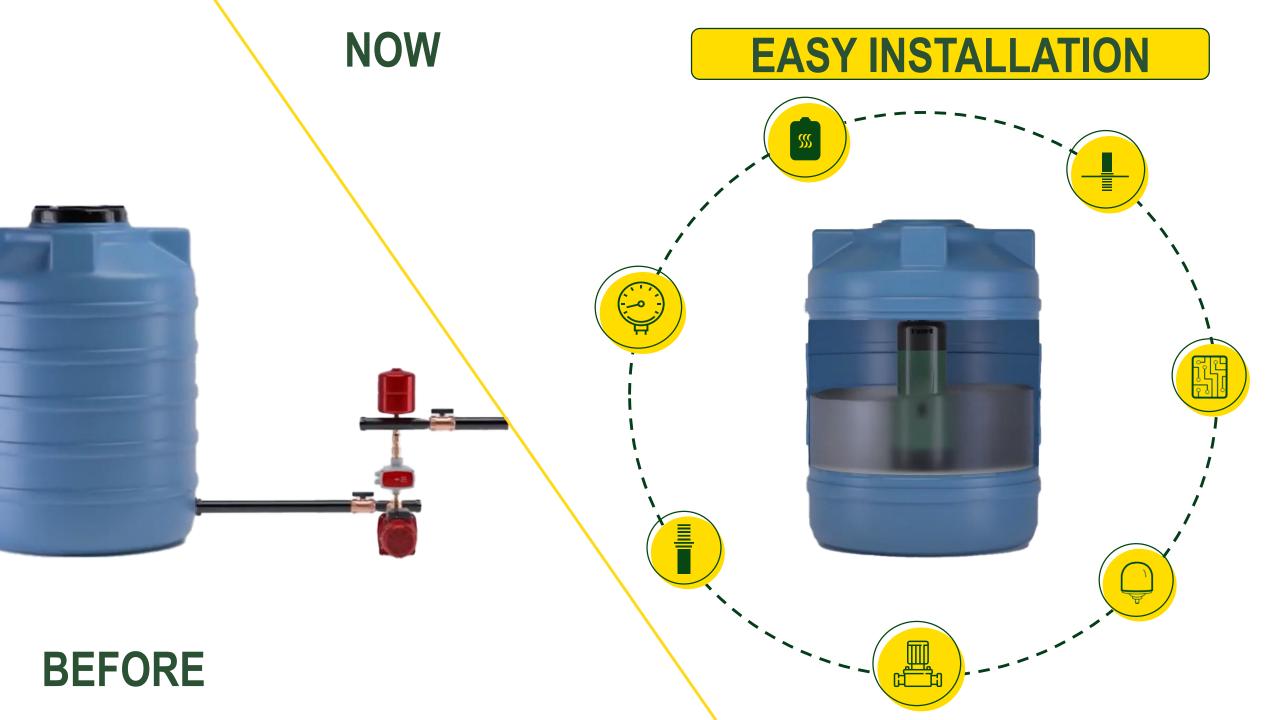
## FIELD OF APPLICATION



WATER BOOSTING GARDENING & IRRIGATION

RAIN WATER REUSE

GROUND WATER



# **FEATURES**

\* The installation of an additional expansion vessel is always suggested

## **EASY MAINTENANCE**

## **ALL BUILT-IN**



**ELECTRONIC BOARD** 

PRESSURE SENSOR

**NON RETURN VALVE** 

**FLOW SENSOR** 



40 cm3 SPRING EXPANSION VESSEL\*
No maintanance needed

## **FEATURES**





## **IMPROVEMENTS**



#### **IMPROVED SEALING**

Double mechanical seal in oil chamber



#### **IMPROVED HYDRAULICS**

AISI wear ring



#### **RESISTANCE TO LOW TEMPERATURES**

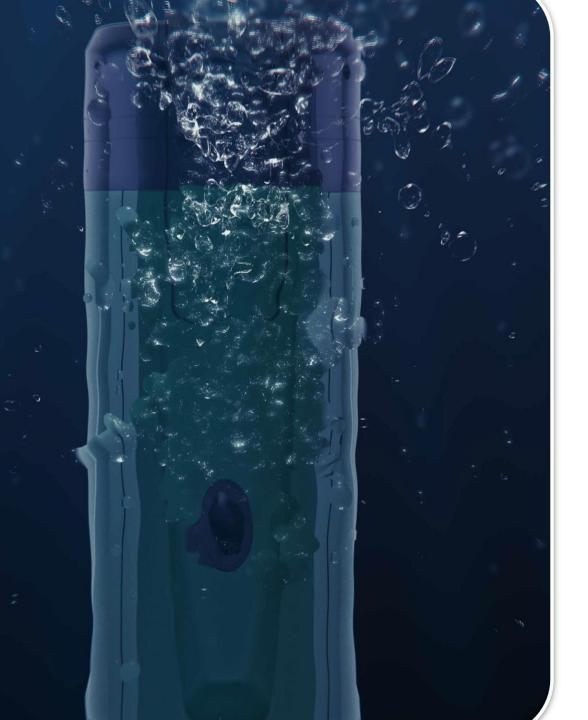
Over-pressure valve against water hammers and fractures caused by icing max liquid T = 50°C



#### NOT COMPLETELY IMMERSED INSTALLATION

Water-cooled motor





## **INSTALLATION**

MAX IMMERSION DEPTH: 12 m

Thanks to the 15 m cable

MAX OPERATION DEPTH: 15 m

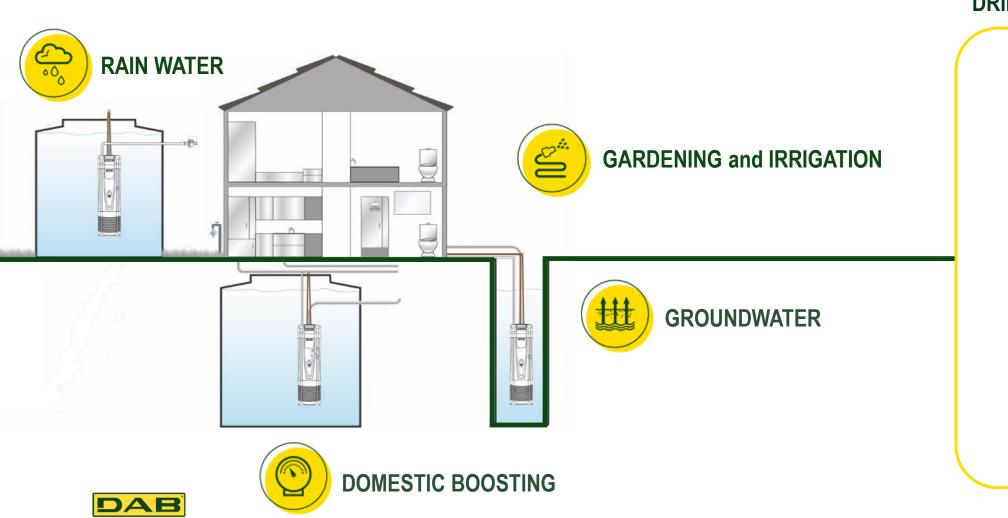
TYPES OF INSTALLATION:

Fixed, horizontal or vertical

Submerged or semi-submerged

Outside in a vertical position with the DOC68 accessory

## **INSTALLATION**





## DT(O) 3



# THE FIRST SUBMERSIBLE PUMPS WITH EXTERNAL DISPLAY







#### EXTERNAL CONTROLLER PROVIDED BY DEFAULT:

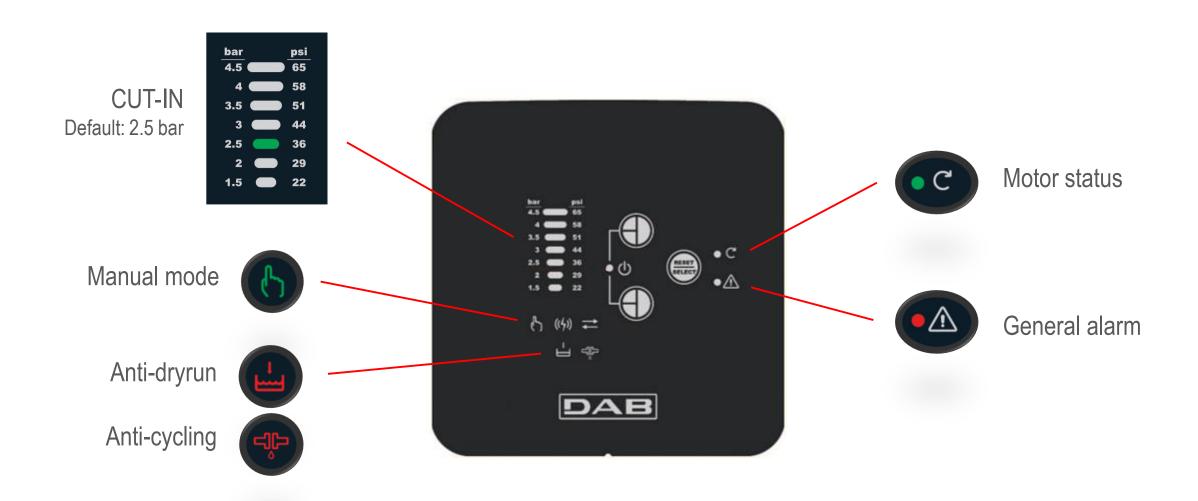
### **COM BOX**

- SET THE CUT-IN PRESSURE
- VISUALIZE ALARMS
- RESET SYSTEM



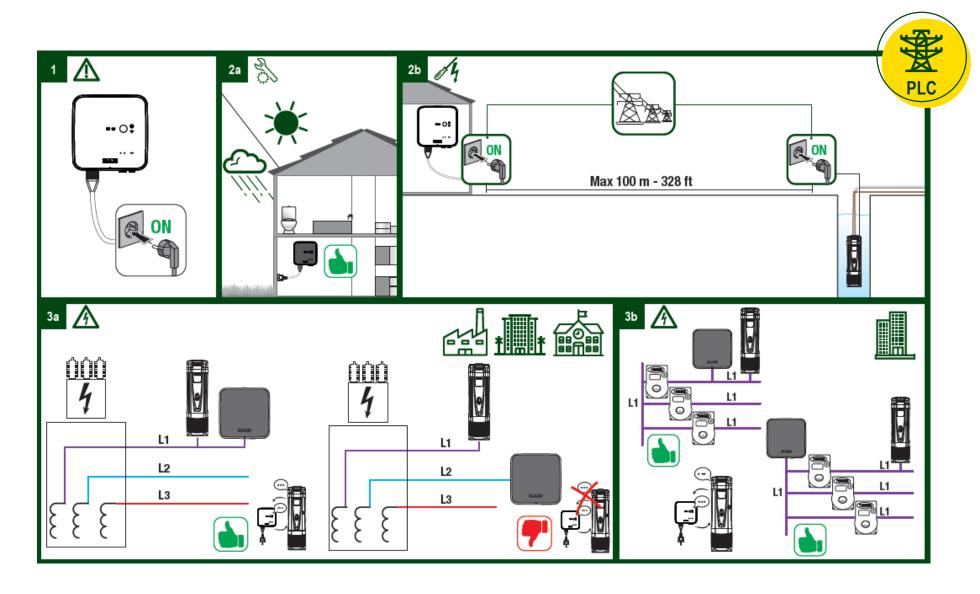
### **COM BOX**







#### DT(OU 3









## ESybox DIVER



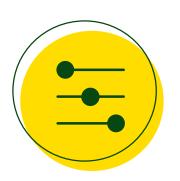






#### PERMANENT-MAGNET MOTOR

Excellent performance, high efficiency and low noise

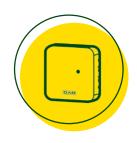


#### **INVERTER**

Reliable and money-saving

### ESYDOX DIVER





#### EXTERNAL CONTROLLER PROVIDED BY DEFAULT:

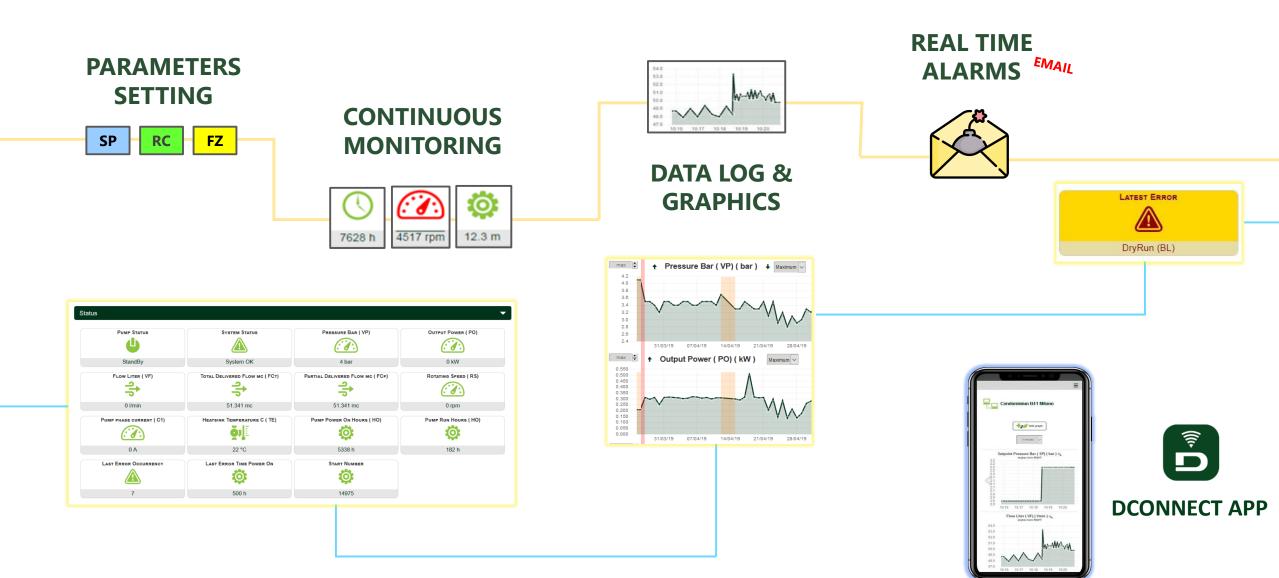
### **DCONNECT BOX 2**



- INTEGRATED WI-FI
- // I/O: 1 INPUT AND 1 OUTPUT



### ESYDOX DIVER





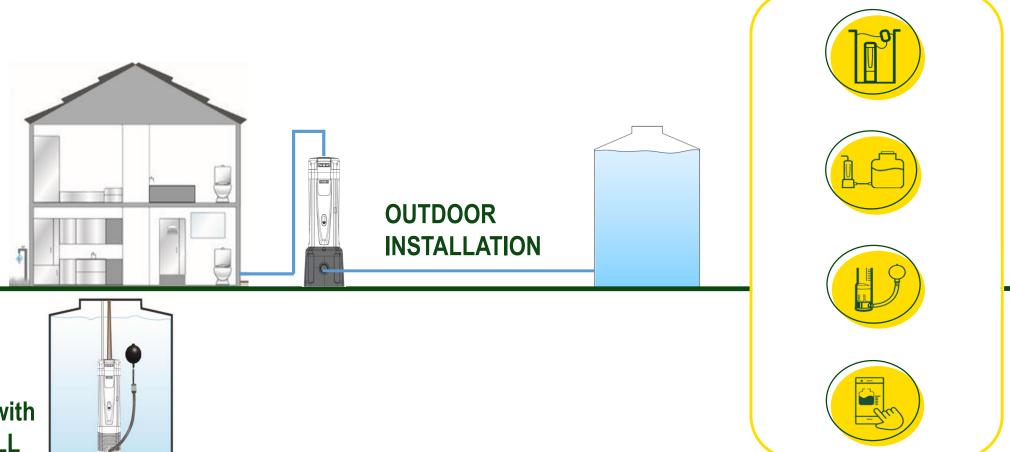
### **OPTIONALS**



### THE EVOLUTION OF SUBMERSIBLE PUMPS

### Advantages

### **FLEXIBLE INSTALLATION** with optionals



X VERSION +
SUCTION KIT with
FLOATING BALL

### DTron 2 - 3 / Esybox DIVER



**Optional** 

### **FLOAT SWITCH**



Any direct contact between the water and the electric parts will be avoided.



### DTron 2 - 3 / Esybox DIVER





**Optional** 

**DOC 68** 



The pump can be placed outside the tank, and it works as a booster with a IP68 class protection (not self-priming)



### DTron 2 - 3 / ESybox DIVER



**Optional** 

### **SUCTION KIT X**



Thanks to the floating ball, the pump can draw clean water from the upper part of the tank.



### ESYDOX DIVER





**Optional** 

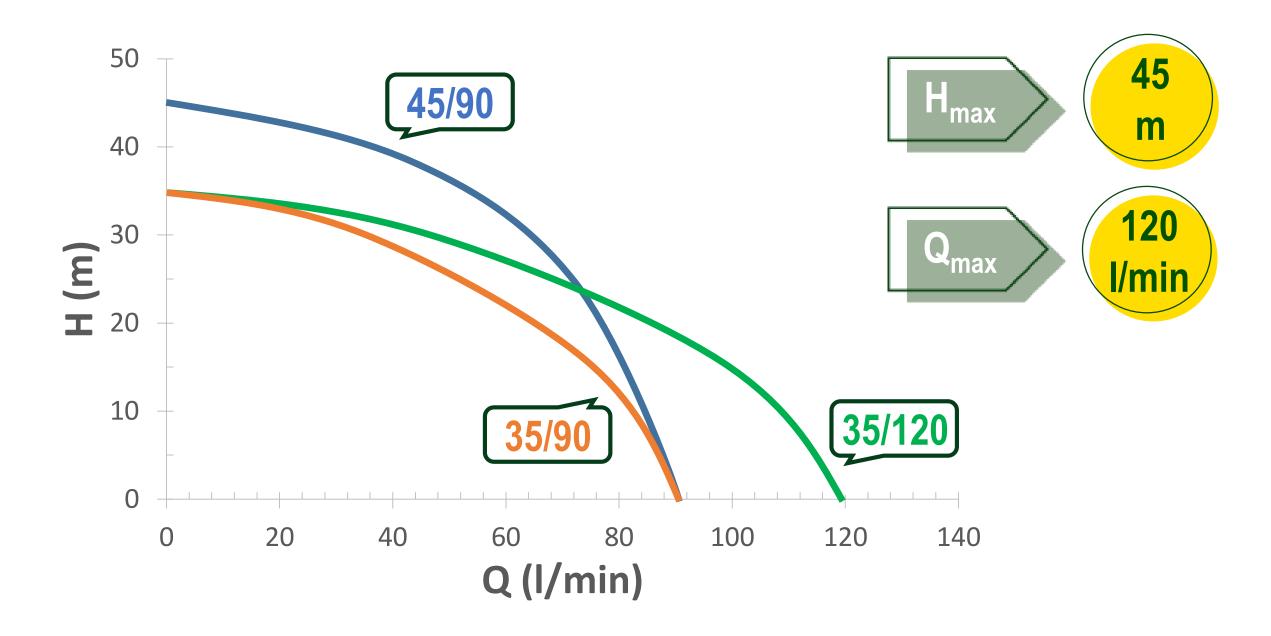
### WATER LEVEL READER



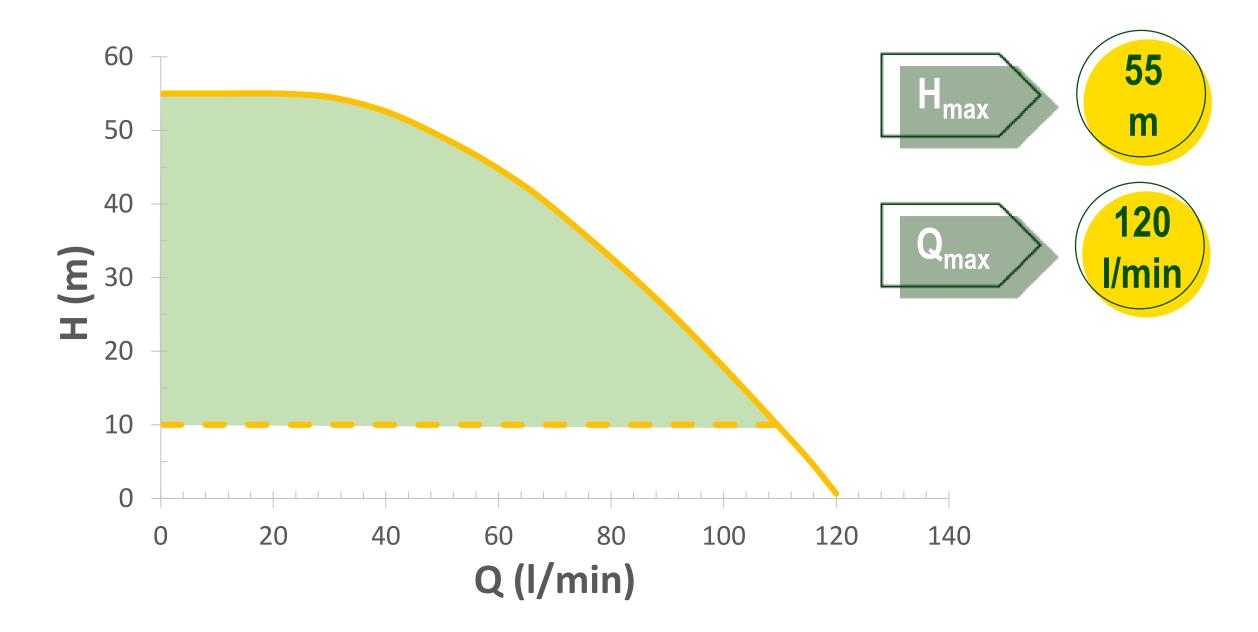
Any direct contact between the water and the electric parts will be avoided.



### DT(O) 2-3



### ESybox DIVER





## Esybox & Esybox mini























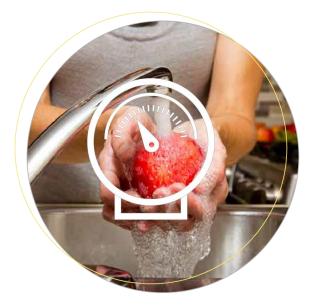








### **Application Field**







Esybox line, complete line of electronic booster pump solutions that redefines the rules of residential water pressurization. Designed to create a modular and flexible solution that meets a wide range of applications: from a small residence to a large complex of apartment







# Esybox

TECHNICAL COMPARTMENT

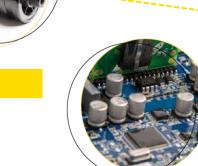


MOTOR





**INVERTER** 



PRESSURE AND FLOW SENSOR





**NON-RETURN-VALVE** 

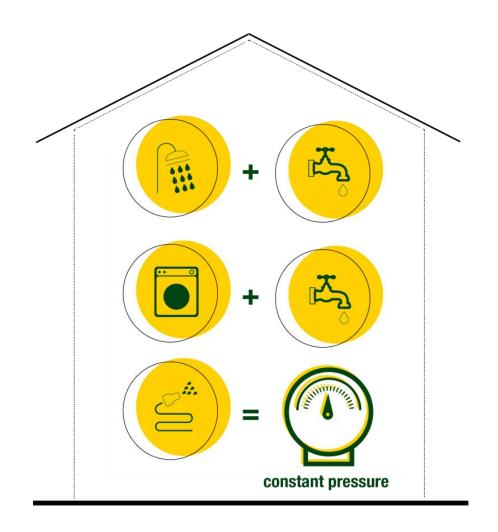
CONNECTIONS

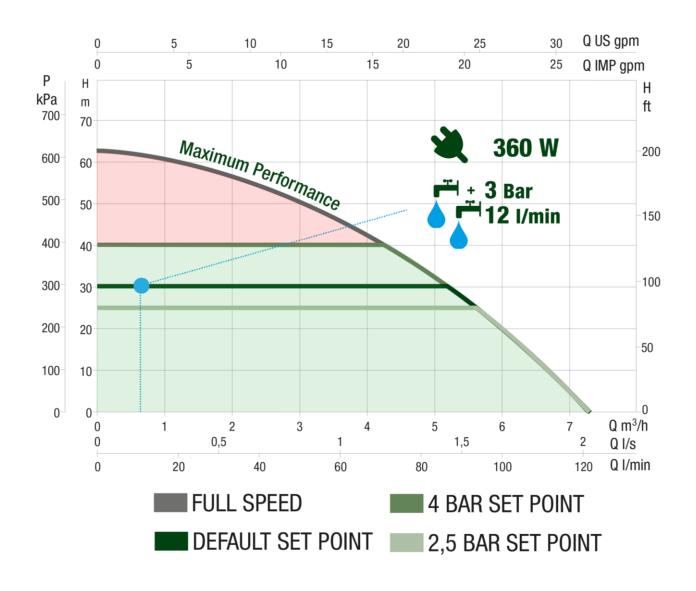


**ANTI-VIBRATION FEET** 

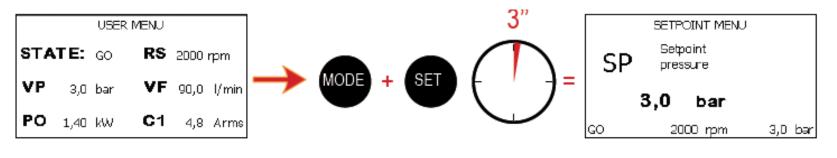


### Why is the VFD important?





### **Set Point**





To set the value press

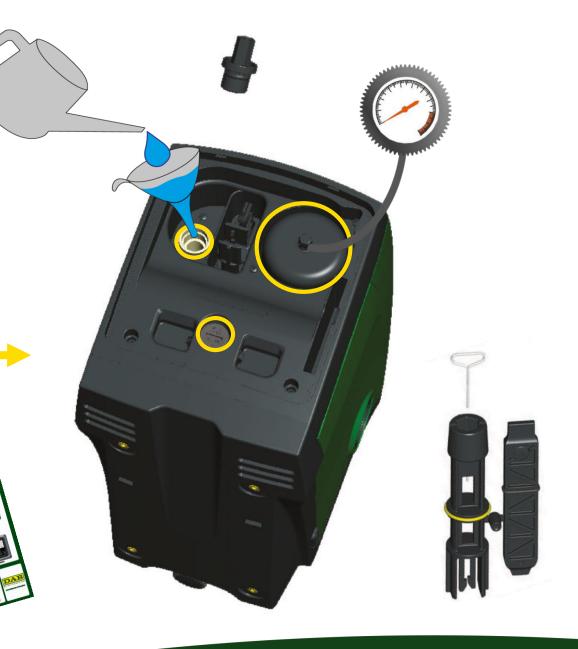






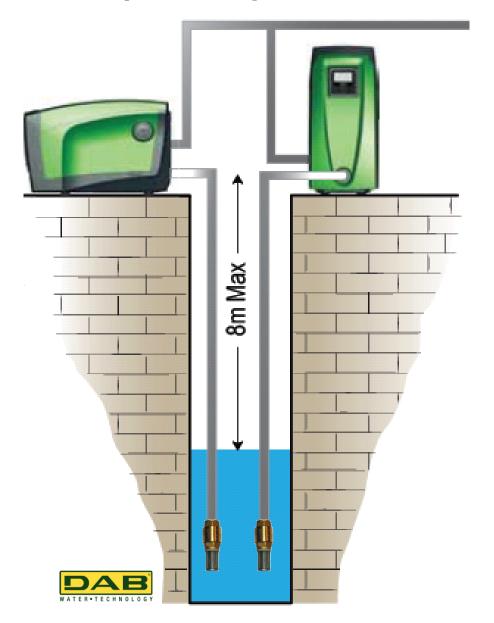
### **Technical Compartment**







### Self-priming





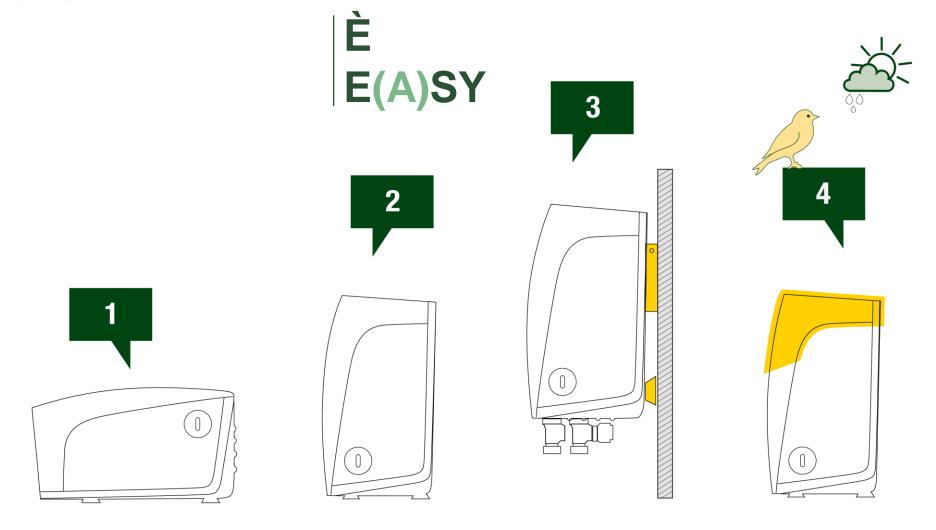






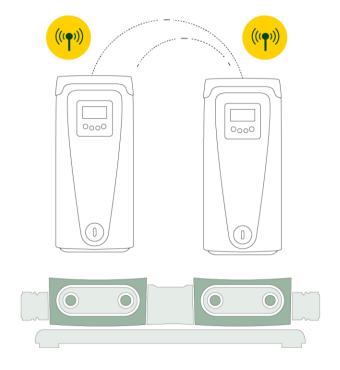


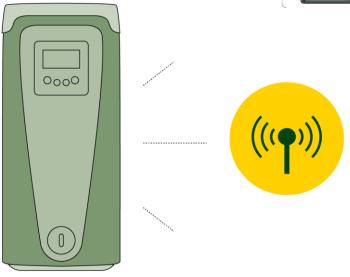
### Installation





### Wireless Communication







Up to 4 PUMPS





### **Fast Connection Docking Stations**



Less space

Flexible Installation

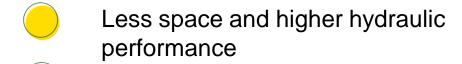
Easy maintenance and replacement





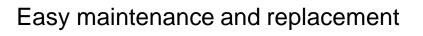






Flexible Installation







### Water Reservoir

### ESYTANK

480 litre tank provided with esydock for quick installation. It is suitable for potable water and is

equipped with filling valve from the water supply

(complies with UNI EN 1717), with overflow system, suction hose with bottom valve and discharge hose.





### **Against Beatles**











**Exterior Installation** 



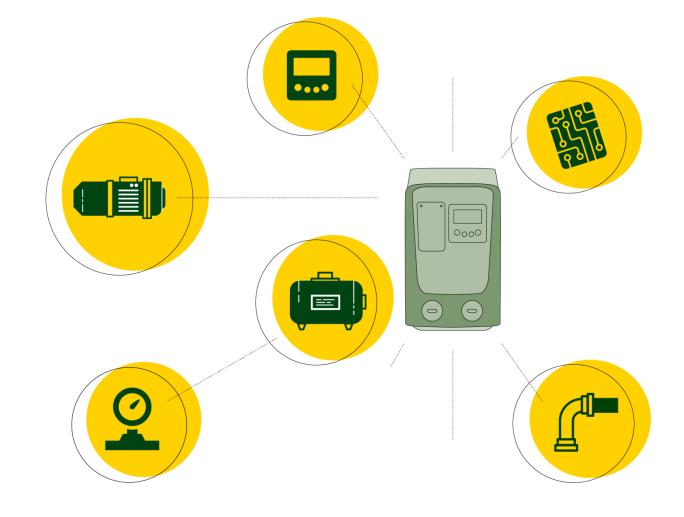
On The Wall Installation

ESYWALL



# ESYPOX MINI<sup>3</sup>

ALL-IN-ONE **SOLUTION** 





### **Technical Features**





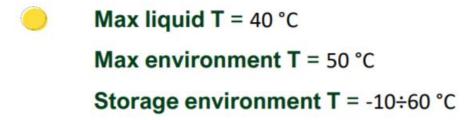
$$P_1$$
 MAX = 0.85 kW  
1x220/240 V 50/60 Hz



**Q MAX** = 
$$4.8 \text{ m}^3/\text{h}$$
 80 l/min







Weight = 14 kg







### Technical Features



$$P_1$$
 MAX = 1.5 kW  
1x220/240 V 50/60 Hz

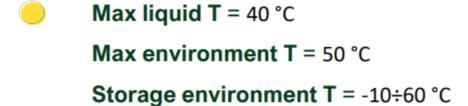


**Q MAX** = 
$$7.2 \text{ m}^3/\text{h}$$
 125 l/min



1" F without the docking station
1" 1/4 with the docking station













## Esybox











DA 5 A 7 APPARTAMENTI FINO A 5 PIANI







# Esybox mini<sup>3</sup>









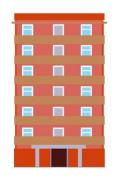


CASA CON GIARDINO FINO A 3 PIANI

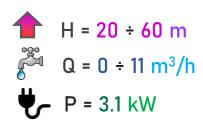


## More than one ESybox



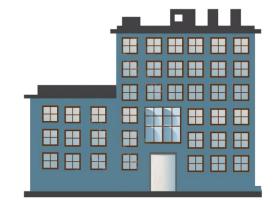


15 APARTMENTS UP TO 6 FLOORS

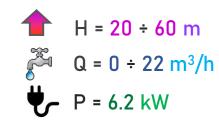








50 APARTMENTS UP TO 6 FLOORS







## THANK YOU

https://esyboxline.com/esybox-max/