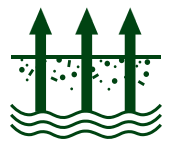


esybox LINE  
NEWS



# esybox DIVER

DIVE YOURSELF IN THE FUTURE  
OF WATER PRESSURISATION



 CONSOLIDATED PUMPS LTD

**DAB**<sup>®</sup>  
WATER • TECHNOLOGY



# esybox LINE

## esybox DIVER

### THE NEWCOMER TO THE FAMILY

In its pursuit of technological innovation and with an eye for the needs of the market, DAB has developed Esybox Diver, a product that combines the reliability and performance of the Dtron range with the revolutionary concept of functional design of the Esybox line.

This “all in one” product is safe and efficient, but also highly flexible and versatile and capable of meeting all manner of expectations.



# esybox DIVER

**A NEW SUBMERSIBLE PUMP:  
ALL IN ONE, BUT WITH INFINITE ADVANTAGES**

📍 tank installation

STANDARD VERSION



Esybox Diver is the first electronic submersible pump with integrated inverter to have a user interface for remote control. The Dconnect Box 2 is a standard product, so the installation and the control of the functions can be carried out quickly and easily with the DConnect App.

Electronics and connectivity are combined to make for an efficient and versatile product suited to the needs of every user: a thousand solutions in one for residential domestic pressurisation.

📍 surface installation

DRY VERSION



📍 well installation

X VERSION



WATER BOOSTING



GARDENING & IRRIGATION



RAIN WATER REUSE



GROUND WATER



# esybox DIVER

## THE VALUE OF SIMPLICITY

DAB has always designed solutions closely tailored to the specific needs of the people who use them.

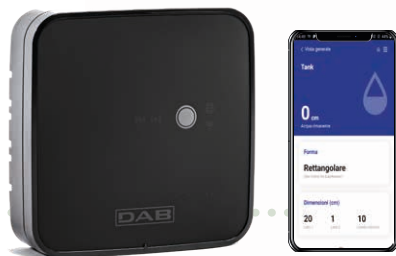
The new Esybox Diver brings together the advantages of evolved inverter electronics and the flexibility of remote control, with a simple and intuitive App.

The standard App can be used to quickly and easily set the pressure demand which is modulated by the integrated inverter as and when required.

The result is two-fold. Based on experience and attention to the market, the product not only meets the needs of customers and end users but also ensures significant energy savings.

## D+CONNECT

The DConnect Box 2 allows access to the DAB cloud service. In this way, you can personalise the settings, check consumption, and set the alarms and pressurisation directly on your smartphone or tablet, wherever you are! Esybox Diver is, in this way, the first submersible pump to have a display.



## BENEFITS FOR:



### INSTALLER

#### QUICK BUT EFFICIENT

“Installing this product for a customer is a pleasure! I can work quickly while still ensuring a high standard of quality, because everything is so much simpler with the Dconnect App.”



### END USER

#### SAVING WITHOUT RENOUNCING QUALITY

“I was looking for a product that was both reliable and cost-effective. And to judge by the bills, I'd say I have found it! Furthermore, I can conveniently select the amount of water I need at any given time, for example when watering the garden.”



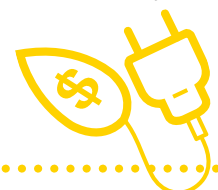
### DISTRIBUTOR AND RETAILER

#### A PRODUCT I LIKE TO OFFER

“The solution is based on advanced technology and is both reliable and easy to install. This is why I also recommend it to my customers, who immediately recognise the potential and advantages it has to offer, and I can sell it much more easily.”

## DAB ALWAYS HAS THE SOLUTION

With over 2 million pumps installed each year, we move water all over the world but are also still capable of meeting specific needs. Like those of people who want to save without renouncing the pleasure of an invigorating shower. We have therefore combined integrated electronics and connectivity to offer a product that is reliable and versatile, ensures high energy savings, and is also easy to use. We listen to our customers since they are the greatest experts of our market.



# esybox DIVER

# esybox DIVER

ALL IN ONE

## TECHNOLOGY + CONNECTIVITY: THE CROSSOVER OF SUBMERSIBLE PUMPS

More than 40 years of experience. An unstoppable drive for innovation. Constant communication with all markets. Listening to create solutions. This is the ecosystem in which DAB's products are created and evolve.

Esybox Diver breaks the rules of submersible pumps to become the residential solution par excellence: highly efficient and technologically advanced but also extremely easy to use. Reliability and comfort are at hand.

With a set of smart accessories, Esybox Diver can be adapted to any type of application.

### INTEGRATED VESSEL

**Quick and simple installation. A system more streamline and compact. Greater and more constant reliability over time.**

The expansion vessel improves the airtightness of the system, prevents it from restarting unnecessarily, provides protection against hammering effects and extends the life of the pump.

This integrated component clearly allows for quicker installation.



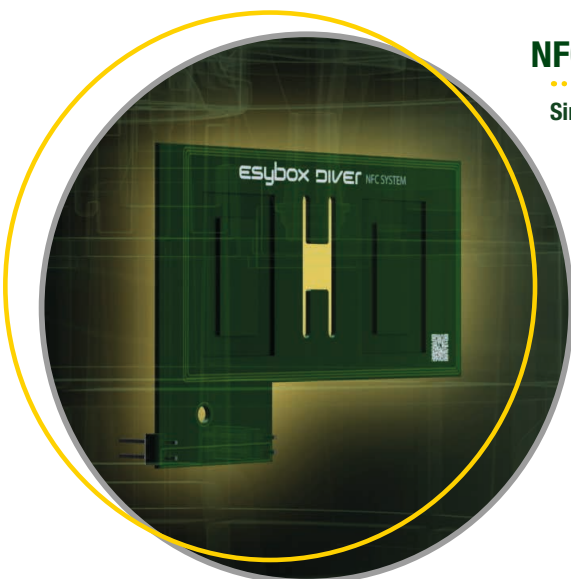
### NFC AND PLC TECHNOLOGIES

**Simple and constant control of the pump. Maximum ease and autonomy of installation of the accessories.**

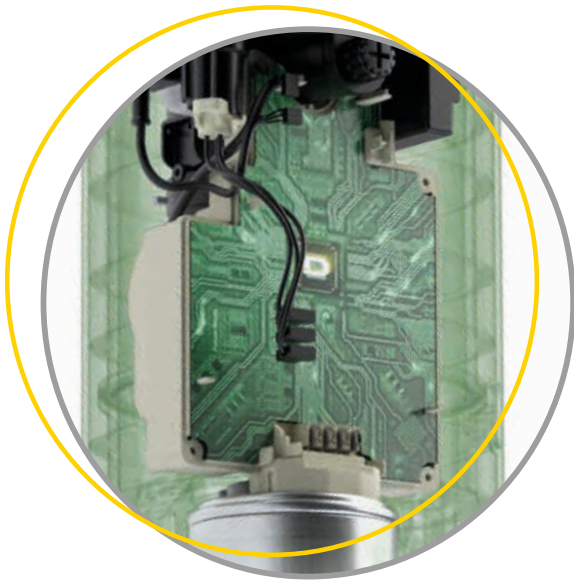
**NFC** (Near Field Communication) permits use of pumps with float switch and water level measurement\* without the need for any additional wiring.

The accessories can be attached and do not therefore require removal of the pump body. All this guarantees speed and reliability.

**PLC\*** (Power Line Communication) permits use of the DConnect Box 2 electronic control device not through any physical connection but via the power input line.







## INTEGRATED INVERTER

**When technology is in service of comfort and energy saving.**

The integrated inverter allows you to adapt the water pressure according to the effective demand, thus optimizing performance and energy consumption.

## BLEEDING VALVE

**Benefits during installation and all use.**

The bleeding valve permits immediate priming upon initial installation and guarantees correct operation of the pump at all times.



## SIMPLER MAINTENANCE

**Modular and functional construction.**

The modular components of the pump make it easier to perform maintenance. The parts can be removed, repaired and replaced separately, simplifying the resolution of any issues and reducing maintenance costs.

## DCONNECT BOX 2

**Convenience at hand**

DConnect Box 2 can monitor up to 4 pumps and be connected to the Internet only via Wi-Fi. Once connected, you simply need to follow the straightforward guided procedure of the App to connect it to the DAB Cloud and manage your pump in complete ease.

For further information on the conditions of service, consult the website:  
[www.internetofpumps.com](http://www.internetofpumps.com)



## ACCESSORIES

The accessories of Esybox Diver redefine the very concept of the range, **with just one model is able to meet installation requirements in all fields of use.**

### DOC68

The DOC68 permits installation of the Esybox Diver even outdoors as an IP68 certified surface pump.



### FLOAT

Detects the level of water in a tank, preventing emptying of the latter and seizing of the pump avoiding the dry running, due to too low a level of water.



### WATER LEVEL MEASUREMENT

Connected to the DConnect Box 2, controls the level of water in the tank and notifies the user of the level via an App.



### KIT X (For X version)

Combined to X version can be used to collect water at such a level as to avoid the pumping of dust and mud found at the bottom of wells and tanks.





ESybox DIVER

# SELECTION TABLE

CERTIFICATIONS



DTRON 2	DTRON 3	ESYBOX DIVER		
		•	INTEGRATED INVERTER	
•	•	•	INTEGRATED EXPANSION VESSEL	
•	•	•	KIT X	
•	•	•	FLOAT	
	•*	•	WATER LEVEL MEASUREMENT	
•	•	•	DOC68	
	•		COM BOX	
	•**	•	DCONNECT BOX 2	
•	•	•	IP68	
•	•	•	CARRY HANDLE	
•	•	•	RESISTANCE TO HIGH AND LOW TEMPERATURES	
•	•	•	CERTIFIED FOR DRINKING WATER	

\* DConnect Box 2 is needed

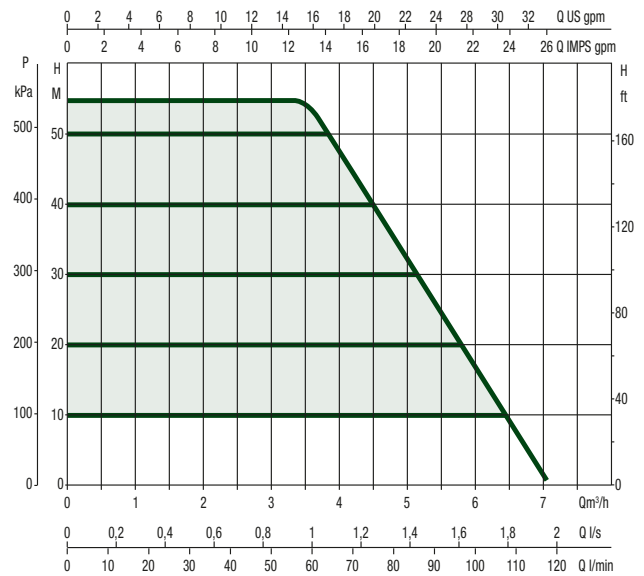
\*\* Available as accessory

	MAXIMUM NUMBER OF FLOORS	WATER PRESSURIZATION			IRRIGATION
		SMALL APARTMENT with 1 bathroom (6 taps)	MEDIUM APARTMENT with 2 bathrooms (10 taps)	LARGE APARTMENT with 2 bathrooms + garden (15 taps)	STATIC SPRINKLERS RANGE 4 m  Flow rate: 6 l/min Operating pressure: 2.4 bar
		MAXIMUM NUMBER OF APARTMENTS			MAXIMUM NUMBER OF SPRINKLERS
DTRON 2 DTRON 3 <b>35/90</b>	1	3	1	1	9
	2	2	1	0	
	3	1	0	0	
DTRON 2 DTRON 3 <b>45/90</b>	1	3	1	1	10
	2	2	1	1	
	3	2	1	0	
	4	1	0	0	
DTRON 2 DTRON 3 <b>35/120</b>	1	3	2	1	12
	2	2	1	1	
	3	2	1	0	
<b>ESYBOX DIVER</b>	1	4	2	1	15
	2	4	2	1	
	3	3	2	1	
	4	3	2	1	
	5	3	1	1	

\* The table is indicative and based on average values. To ensure optimal sizing, perform a careful assessment of the specific system.

## TECHNICAL DATA

<b>MAXIMUM FLOW RATE</b>	up to 7,2 m <sup>3</sup> /h
<b>MAXIMUM HEAD</b>	up to 55 m
<b>P1</b>	up to 1,3 Kw
<b>P2 NOMINAL</b>	up to 0,95 Kw (1,3HP)
<b>MAXIMUM IMMERSION DEPTH</b>	15 m
<b>MAX AMBIENT AND LIQUID TEMPERATURE:</b>	+55°C
<b>ADJUSTABLE CONSTANT PRESSURE</b>	pre-set 3 bar adjustable from 1 to 5,5 bar
<b>DELIVERY FLANGE OR THREAD:</b>	filettata da 1" 1/4



DTRON 2

∅ 18,5 x 61 cm



DTRON 3

∅ 18,5 x 65 cm

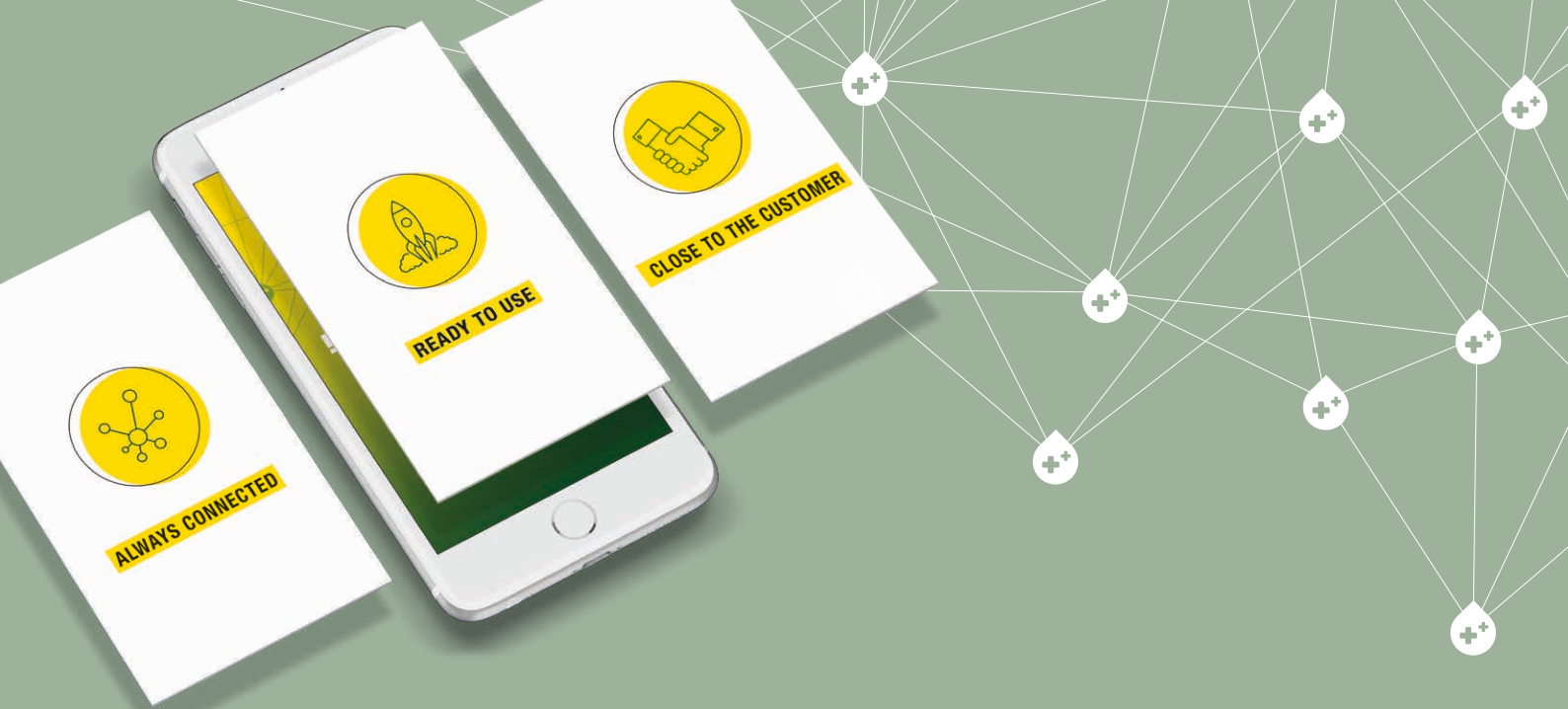


esybox DIVER

∅ 18,5 x 65 cm

# esybox DIVER





# D+CONNECT + ESYBOX DIVER

## INTERNET OF PUMPS IS ALREADY A REALITY

### ALWAYS IN CONTACT WITH YOUR SYSTEMS

DConnect is the new DAB cloud service that allows you to remotely control your installations, in real time and wherever you are.

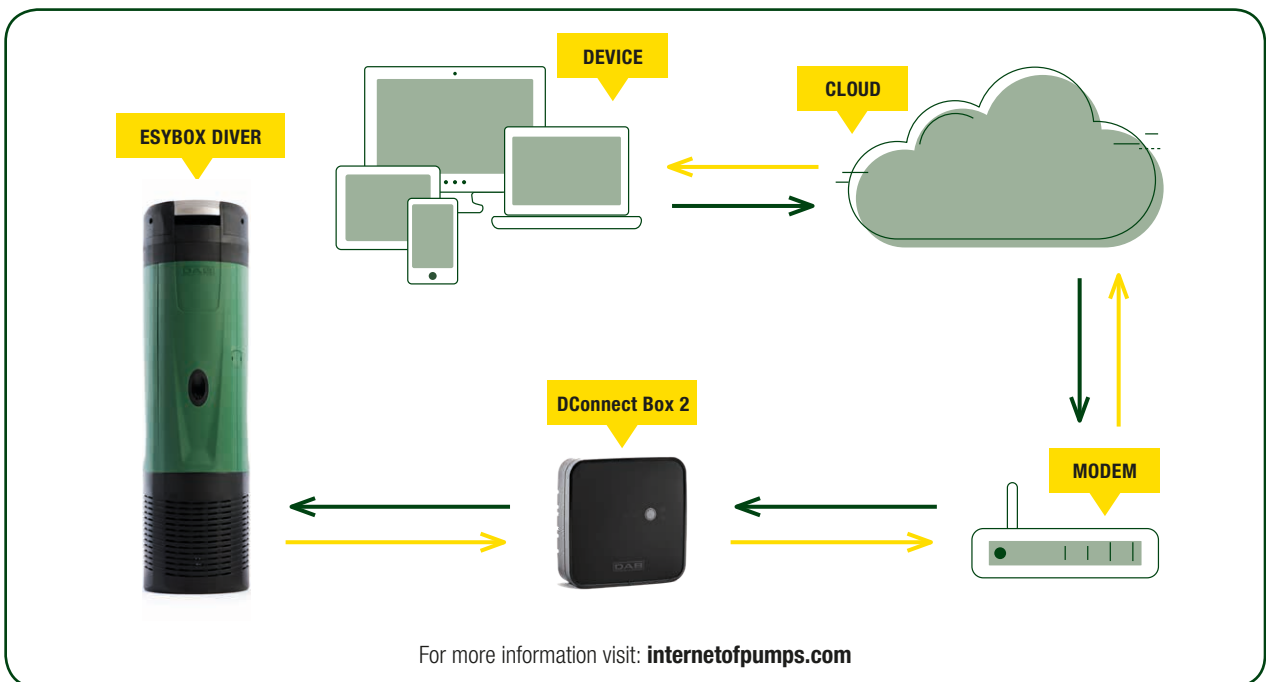
Thanks to DConnect, DAB cloud connectivity service, it is possible to manage activities and consumption of Esybox Diver or customize its parameters and alarms, monitoring its operation and preventing the risk of malfunctions and blockages.



DOWNLOAD THE APP FROM:



### OPERATION DIAGRAM





CATCH US **IF YOU CAN...**



**esybox DIVER**

7" ELECTRONIC MULTISTAGE SUBMERSIBLE PUMPS WITH INVERTER





# Consolidated Pumps Ltd



## FLOW:

1 m<sup>3</sup>/h = 0.278 l/s

1 l/s = 3.6 m<sup>3</sup>/h

1 m<sup>3</sup>/h = 16.667 l/min

1 l/min = 0.06 m<sup>3</sup>/h

1 m<sup>3</sup>/h = 3.67 UK gal/min

1 UK gal/min = 0.273 m<sup>3</sup>/h

1 m<sup>3</sup>/h = 4.403 US gal/min

1 US gal/min = 0.227 m<sup>3</sup>/h

1 ft<sup>3</sup>/s = 102 m<sup>3</sup>/h

## PRESSURE:

1 bar = 10.20 mH<sub>2</sub>O

1 mH<sub>2</sub>O = 0.098 bar

1 bar = 33.50 ft H<sub>2</sub>O

1 ft H<sub>2</sub>O = 0.0299 bar

1 bar = 14.5 p.s.i

1 p.s.i = 0.06895 bar

1 bar = 10<sup>5</sup> Pa

1 Pa = 10<sup>-5</sup> bar

1 bar = 10<sup>5</sup> N/m<sup>2</sup>

**Est. 1972**

Thank you for your  
support

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