

# ANOTHER STEP FORWARD!



WATER BOOSTING



RAIN WATER  
REUSE



GARDENING &  
IRRIGATION



GROUND WATER



## DTRON esybox DIVER THE EVOLUTION OF SUBMERSIBLE PUMPS

2020

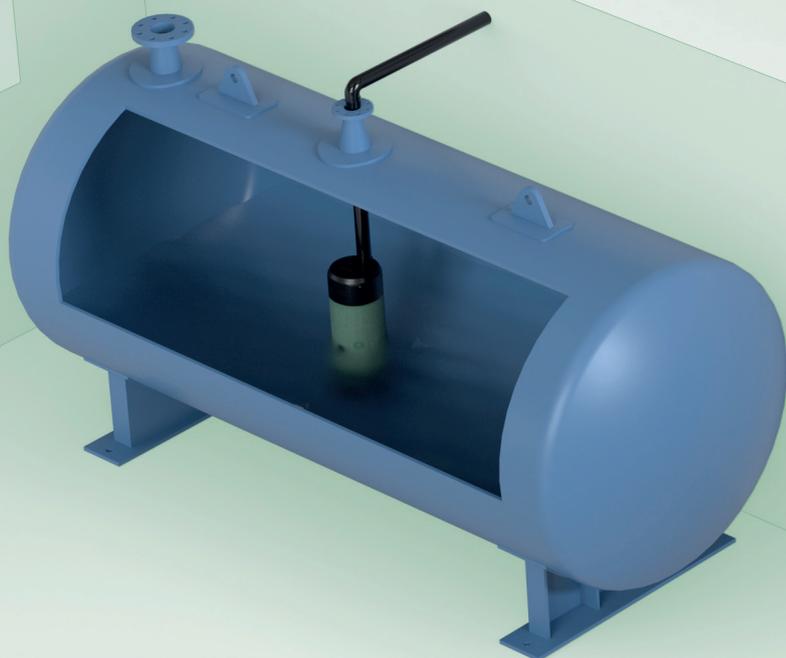


**2 MODELS AND A SET OF ACCESSORIES GUARANTEE  
THE VERSATILITY OF A COMPLETE RANGE**

📍 tank installation



**STANDARD VERSION**





**DRY VERSION**

 **surface installation**



DTron is DAB's new line of electronic on/off submersible pumps for water pressurisation in residential environments. Two models, the DTron 2 and DTron 3, together with a set of fully integrated and modular accessories, represent a choice of solutions for all uses in disparate types of installations.



**WATER BOOSTING**



**GARDENING & IRRIGATION**



**RAIN WATER REUSE**



**GROUND WATER**

**NEW RANGE**

# DTRON ESYBOX DIVER



**DOC68**

**Maximum flexibility of installation.**

With this accessory and IP68 certification, the DTron pumps can be installed even out of water and used like real traditional booster pumps.



**FLOAT**

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



**WATER LEVEL SENSOR**

Connected to the DConnect Box 2, the sensor notifies the user of the water level via an App (only for DTron 3).



**D+CONNECT**



The DConnect Box 2 allows access to the DAB cloud service. With the new App, you can manage and monitor the pressure of the system, the alarms and the level of water in the tank directly from your smartphone or tablet, wherever you may be! Subscription fees apply.



**DCONNECT BOX 2**



### INTEGRATED VESSEL

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

The expansion vessel 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.



### BLEED VALVE

The bleed valve allows 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.



### COM BOX

The Com Box allows you to change the pump's pressure settings and view any alarms. No direct connections with the pump PLC (Power Line Communication) are required. Only for DTron 3



### 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 sensor without the need for any additional wiring.

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

## EXPERIENCE AND INNOVATION

43 years of experience. An unstoppable drive for innovation. A constant communication with all markets. This is the ecosystem in which DAB's products are created and evolve.

The DTron series is evidence of this: **an important step towards redefining the characteristics of submersible pumps**, in the safe hands of a market leader.

**DTron 2 and DTron 3 were born out of a desire to create a range of pumps that could be "easy" but also extremely efficient.** Technologically advanced but easy to use.

Reliable and high performing in a variety of applications, thanks to a set of smart accessories.



# SELECTION TABLE

The DTron 2 and DTron 3 were born out of a desire to create a range of pumps that could be “easy” but also extremely efficient. Technologically advanced and easy to use. Reliable and high performing in varied applications, supported by a set of smart accessories.



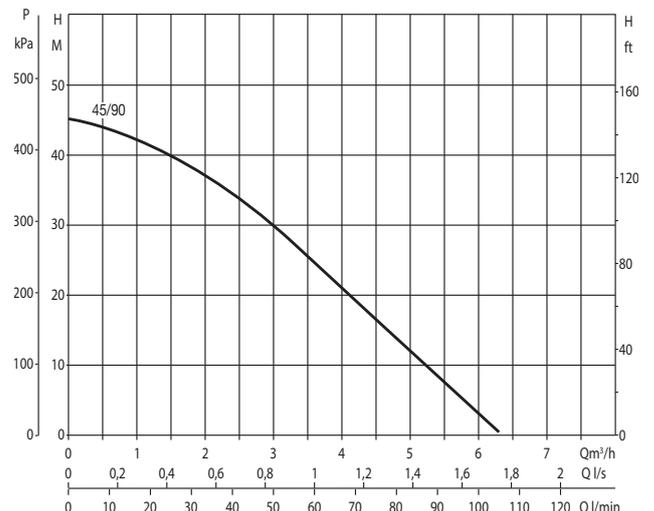
MAXIMUM NUMBER OF FLOORS	WATER PRESSURIZATION		IRRIGATION
	SMALL APARTMENT with 1 bathroom	LARGE APARTMENT with 2 bathrooms + garden	STATIC SPRINKLERS RANGE 4m Flow rate: 6 l/min Operating pressure: 2.4 bar
	MAXIMUM NUMBER OF APARTMENTS		MAXIMUM NUMBER OF SPRINKLERS
DTRON 2	1	3	10
DTRON 3	2	2	
<b>45/90</b>	3	1	
	4	-	

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

DTRON 2	DTRON 3	
•	•	Integrated expansion vessel
•	•	Kit x - suction hose
•	•	Float - low level cut off
	•	Water level measurement
•	•	Doc68
	•	Com Box
	•	DConnect box 2 - upgrade option
•	•	IP68
•	•	Carry handle
•	•	Resistance to high and low temperatures
•	•	Certified for drinking water

## Technical Data

<b>MAXIMUM FLOW RATE</b>	Up to 120 l/min
<b>MAXIMUM HEAD</b>	Up to 45m
<b>P1</b>	Up to 1kW
<b>P2 NOMINAL</b>	Up to 0.67kW (0.9HP)
<b>MAXIMUM IMMERSION DEPTH</b>	12m
<b>MAX AMBIENT AND LIQUID TEMPERATURE:</b>	+50°C
<b>FACTORY CUT-IN:</b>	2.4 bar (±0.2)
<b>DELIVERY FLANGE OR THREAD:</b>	Threaded from 1" ¼
<b>PUMP MAXIMUM DIAMETER:</b>	185 mm
<b>DIMENSIONS:</b>	DTron 2: 611 x 185mm DTron 3: 651 x 185mm



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



## SELECTION TABLE

The new Esybox Diver variable speed submersible pump guarantees benefits for installers and end users to help save space, energy, time and money thanks to DAB's technical and technological expertise.

The Esybox Diver is a 7 inch multi-impeller electronic pump with variable frequency drive to be used for clean water applications such as wells and tanks.

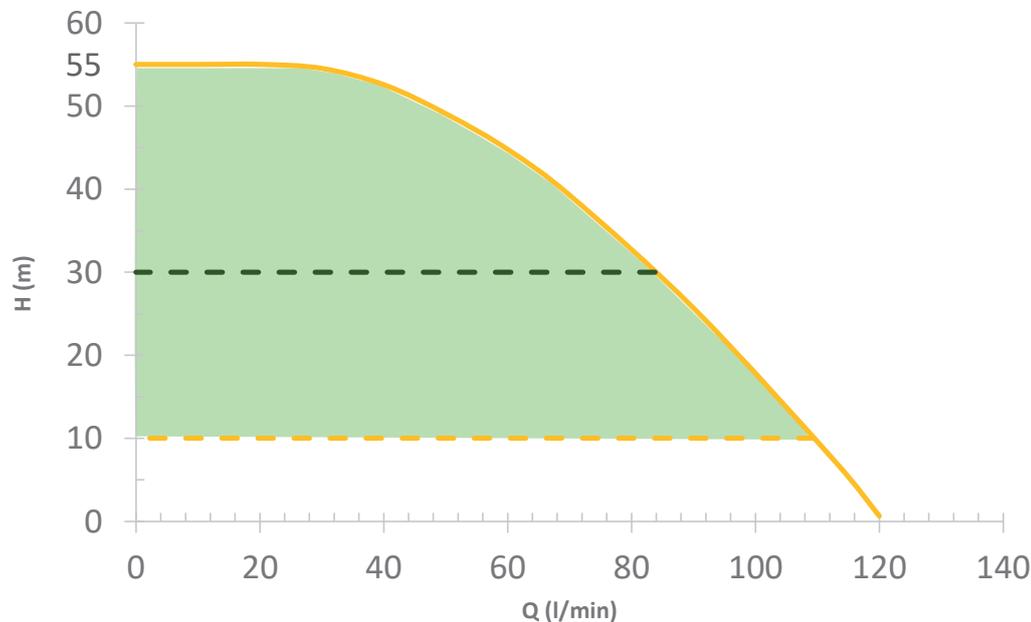
The pump can be used submerged, partially submerged or out of the tank with the DOC68 accessory (supplied separately).

**Suitable for:**

- Pressurisation
- Rainwater re-use
- Gardening and irrigation activities in residential building service

**Features:**

- Integrated non-return valve
- Stainless steel handle for easy transport
- Adjustable suction height up to 8cm
- Connectable float (optional accessory)
- Water level sensor (optional accessory)
- NFC (Near Field Communication) pocket
- Built in expansion tank
- Wi-Fi enabled
- DConnect Box 2 so you can control the pump from your smart device



Part Number	Item Code	kW	HP	Volts	Max Head (m)	Max Flow (lpm)	Power Cable (m)
DAB-ESYBOXDIVER 55/120	808452	1.25	1.3	240	55	120	15
<b>Accessories</b>							
DAB-FLOAT	808453	Float for stopping the pump					
DAB-DOC68	808454	Dock for dry mount conversion kit					
TANK WATER LEVEL SENSOR	808455	Measure water left in the tank					





*Available from your local DAB distributor:*

DAB\_DTRON\_BROCHURE\_AUGUST\_2020

**WHITE INTERNATIONAL PTY LTD**

60 Ashford Ave Milperra NSW 2214  
PO Box 304 Milperra NSW 2214  
Phone 02 9783 6000 Fax 02 9783 6001  
Customer Service 1300 783 601  
Email Sales: [pumpsales@whiteint.com.au](mailto:pumpsales@whiteint.com.au)  
[www.whiteint.com.au](http://www.whiteint.com.au)

**WHITE INTERNATIONAL NZ LTD**

15G Kerwyn Avenue  
East Tamaki, Auckland 2013, New Zealand  
Phone 09 579 9777 Fax 09 579 7775  
Customer Service 0800 509 506  
Customer Service Fax 0800 804 344  
Email Sales: [sales@whiteint.co.nz](mailto:sales@whiteint.co.nz)  
[www.whiteint.co.nz](http://www.whiteint.co.nz)



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