

# esybox mini<sup>3</sup>

ELECTRONIC PRESSURE BOOSTING SYSTEM

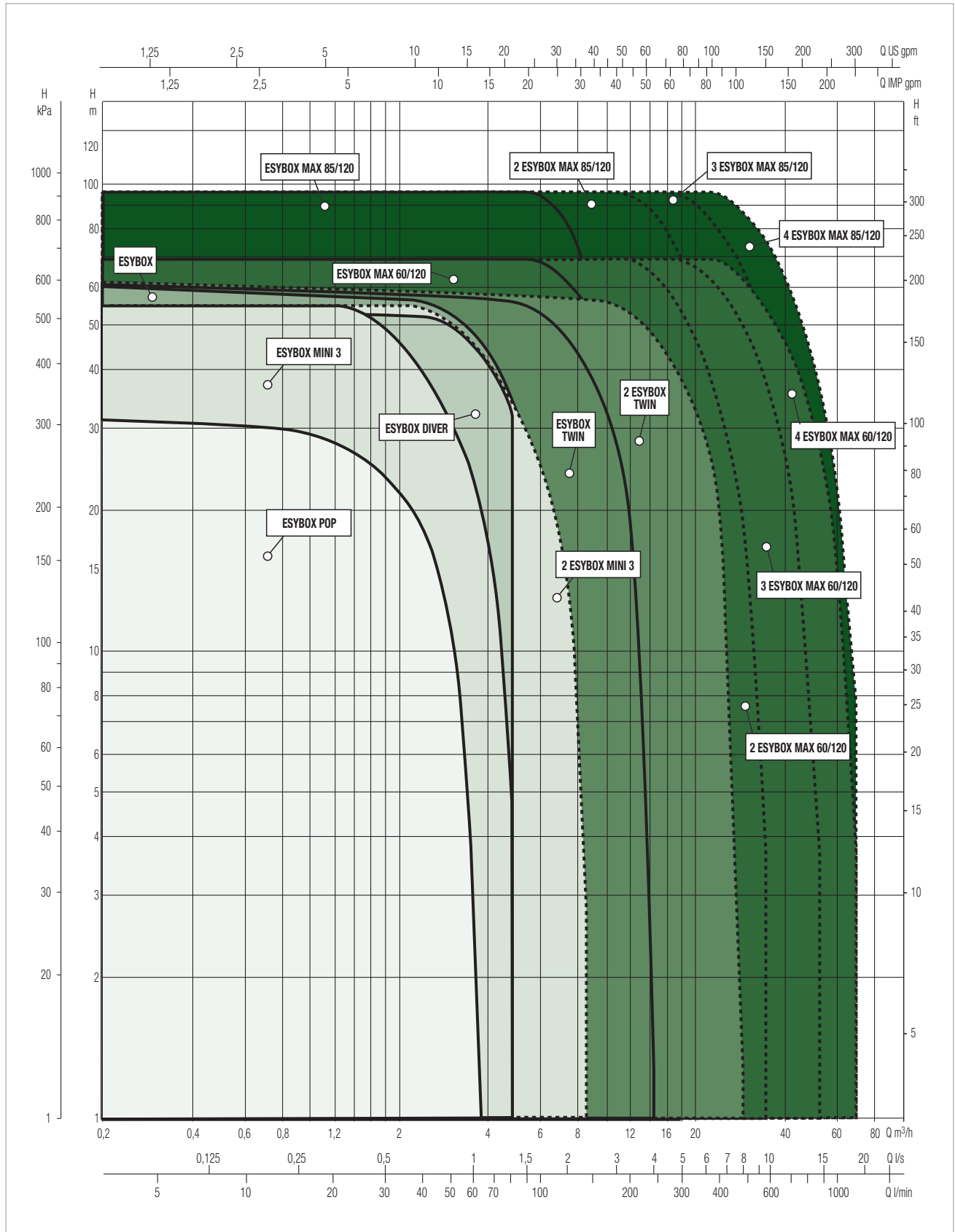




## PERFORMANCE RANGE

The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and a density of 1000 kg/m<sup>3</sup>. Curve tolerance to ISO 9906.

### SELECTION GUIDE GRAPH



# ESYBOX MINI<sup>3</sup>

## ELECTRONIC PRESSURE BOOSTING SYSTEM



### TECHNICAL DATA

**Flow rate:** 4,8 m<sup>3</sup>/h

**Head:** 55 m

**Type of liquid pumped:** Clean, free of solids and abrasive substances, non-viscous, non-aggressive, non-crystallized, and chemically neutral

**Liquid temperature range:**

from +5°C to +40°C

**Maximum ambient temperature:** +50°C

**Maximum suction depth:** 8 m

**Maximum working pressure:** 7,5 bar / 750 kPa

**Motor protection rating:** IPX4

**Motor insulation class:** F

**Impeller material of construction:** Technopolymer

**Single-phase power supply:** 230 V 50 Hz

**Power cord length and plug type:** 1,5 m with Schuko plug

**Possible mounting positions:** Horizontal, vertical or wall mounted

**Certifications:** WRAS, ACS, NFS

Multistage self-priming electronic system for pressure boosting, groundwater extraction from shallow wells, rainwater reuse, and gardening and irrigation for small gardens and vegetable patches. It can be used to produce sets with a maximum of two pumps in wireless mode. Remote monitoring with H<sub>2</sub>D, app and portal, for viewing consumption, managing comfort functions and receiving alarms or notifications.

### PUMP DESIGN FEATURES

Self-priming multistage pump. Sound-absorbing protective enclosure. Technopolymer impellers. Stainless steel motor shaft. Non-return valve and pressure vessel are always built in.

### MOTOR DESIGN FEATURES

Motor cooled by the liquid being pumped and encased in a stainless steel jacket. Complete with power cord with plug.

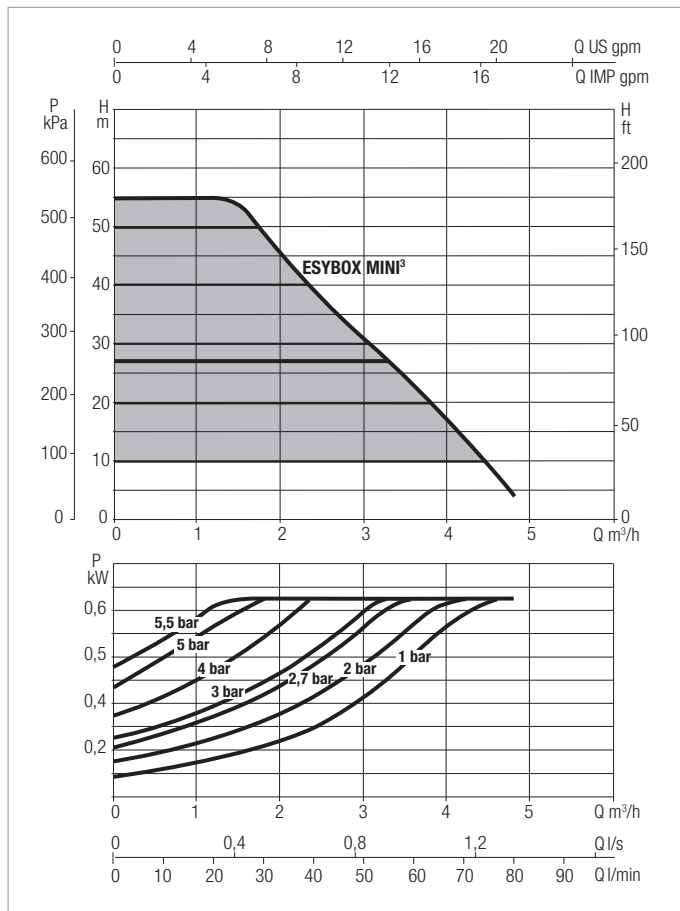
### ELECTRONICS FEATURES

Swivel display. Inverter for energy savings. Built-in safety features: protection against dry running, overload current, abnormal voltage, overheating and freezing, in addition to anti-seize and anti-cycling functions. Built to Italian standards CEI 2-3 and CEI 61-69 (EN 60335-2-41). Wizard for initial start-up, easy setup, and access to alarm log. Wireless connection.

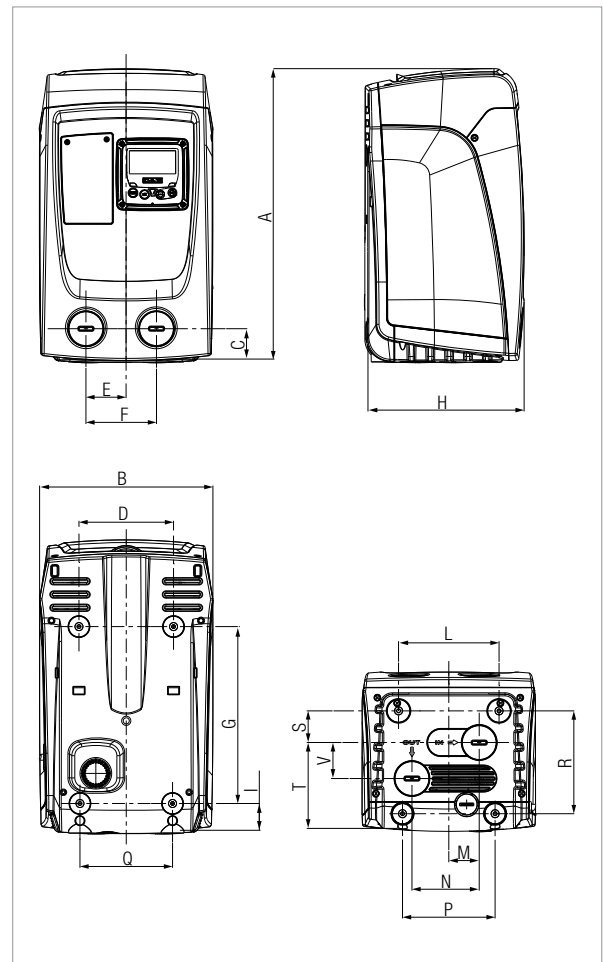
# ESYBOX MINI<sup>3</sup> - ELECTRONIC PRESSURE BOOSTING SYSTEM

Pumped liquid temperature range: 5 °C to +40°C

Maximum ambient temperature: +50 °C



The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and a density of 1000 kg/m<sup>3</sup>. Curve tolerance to ISO 9906.



MODEL	Q=m <sup>3</sup> /h	0	0,6	1,2	1,8	2,4	3	3,6	4,2	4,8	5,4	6	6,6	7,2
	Q=l/min	0	10	20	30	40	50	60	70	80	90	100	110	120
ESYBOX MINI <sup>3</sup>	H (m)	55	55	55	49	39	31	23	14	4				

MODEL	ELECTRICAL DATA				
	NO. OF IMPELLERS	POWER SUPPLY 50/60 Hz	P1 MAX		In A
			kW	HP	
ESYBOX MINI <sup>3</sup>	3	1x220-240V ~	0,85	1,1	4,8

MODEL	A	B	C	D	E	F	G	H	I	L	M	N	P	Q	R	S	T	V	DN (S)	DN (D)	PACKAGING DIMENSIONS			WEIGHT kg
	L/A	L/B	H																					
ESYBOX MINI <sup>3</sup>	439	263	46	143	60,7	106,7	279,5	236	40,5	152	46	101,7	140	140	155,5	47,8	133	54,5	1"	1"	300	500	320	14,6

# 2 ESYBOX MINI UNITS WITH ESYTWIN MINI

## ELECTRONIC PRESSURE BOOSTER SET



### TECHNICAL DATA

**Flow rate:** up to 8,8 m<sup>3</sup>/h

**Head:** up to 55 m

**Type of liquid pumped:** clean, free of solids and abrasive substances, non-viscous, non-aggressive, non-crystallized, and chemically neutral

**Maximum liquid temperature:** +40°C

**Maximum ambient temperature:** +50°C

**Maximum suction depth:** self-priming down to 8 metres

**Maximum working pressure:** 7,5 bar (750 kPa).

**Pump protection rating:** IP X4

**Motor insulation class:** F

Pressure booster set for use in domestic and residential, institutional and commercial settings, designed for pressure boosting, groundwater extraction, gardening and irrigation purposes. Remote control option provided via H2D app.

### PUMP DESIGN FEATURES

Comes with 1 1/4" suction and discharge. Suction and discharge can be on either side to make connecting pipes as easy as possible. The pump is a self-priming multistage model with built-in 2-litre pressure vessel. ABS sound-absorbing protective enclosure combined with other features to bring noise level down to 43 dB. Technopolymer impellers. Self-priming down to 8 metres.

### MOTOR DESIGN FEATURES

Motor cooled by the liquid being pumped, AISI 303 stainless steel motor shaft.

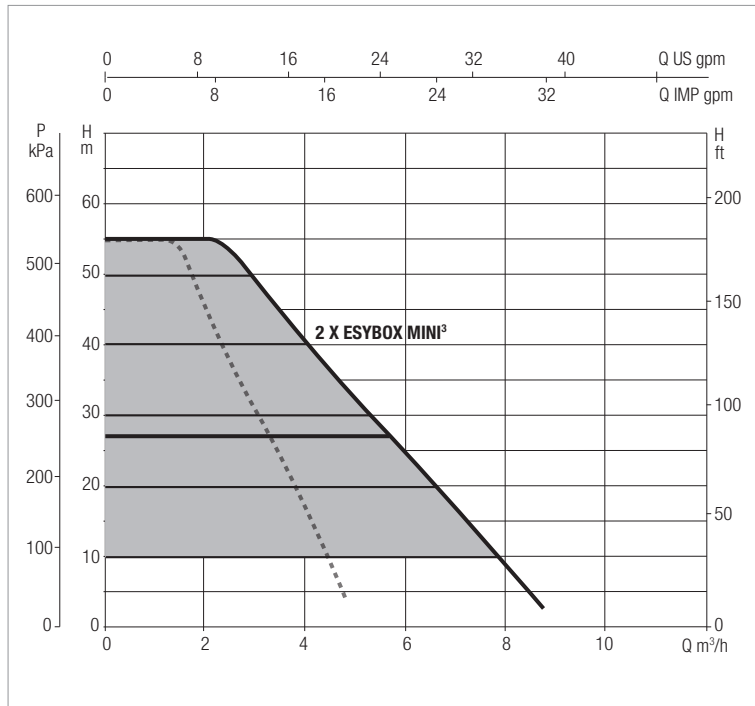
### ELECTRONICS FEATURES

Display can be swivelled to suit mounting position. The inverter feature ensures energy efficiency and protection against water hammer. Wizard for initial start-up and access to alarm log. Set is easy to set up and also features wireless connection.

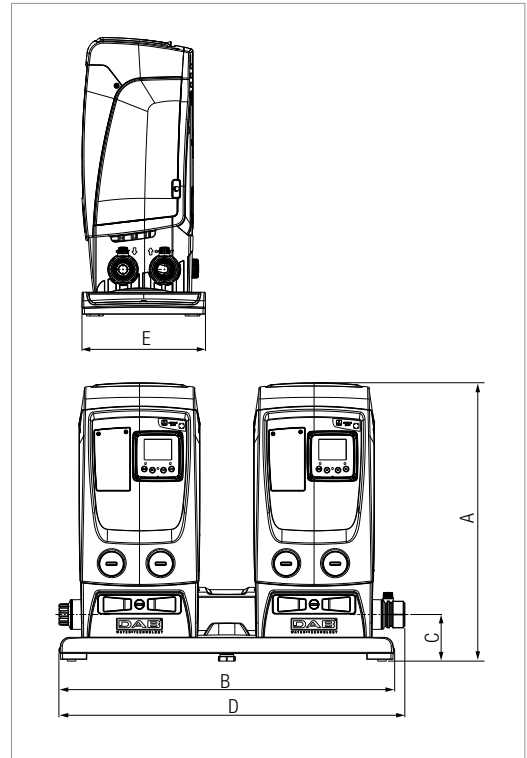
## 2 ESYBOX MINI UNITS WITH ESYTWIN MINI - ELECTRONIC PRESSURE BOOSTER SET

Pumped liquid temperature range: 5 °C to +40 °C - Maximum ambient temperature: +50 °C

Max. flow rate: 8,8 m<sup>3</sup>/h



The performance curves are based on kinematic viscosity values = 1 mm<sup>2</sup>/s and a density of 1000 kg/m<sup>3</sup>. Curve tolerance to ISO 9906.



MODEL	Q=m <sup>3</sup> /h	0	1,2	2,4	3,6	4,8	6	7,2	8,4
	Q=l/min	0	20	40	60	80	100	120	140
<b>2 ESYBOX MINI UNITS WITH ESYTWIN MINI</b>	H (m)	55	55	54	45	34	26	16	6

MODEL	POWER SUPPLY 50/60 Hz	ELECTRICAL DATA		MAX. I 2 x A
		P1 MAX		
		2 x kW	2 x HP	
<b>2 ESYBOX MINI UNITS WITH ESYTWIN MINI</b>	1x220-240 V ~	0,85	1,1	4,8

MODEL	A	B	C	D	E	DN (S) BSP	DN (D) BSP	WEIGHT kg
<b>2 ESYBOX MINI UNITS WITH ESYTWIN MINI</b>	604	729	101	751	268	1" 1/4	1" 1/4	37

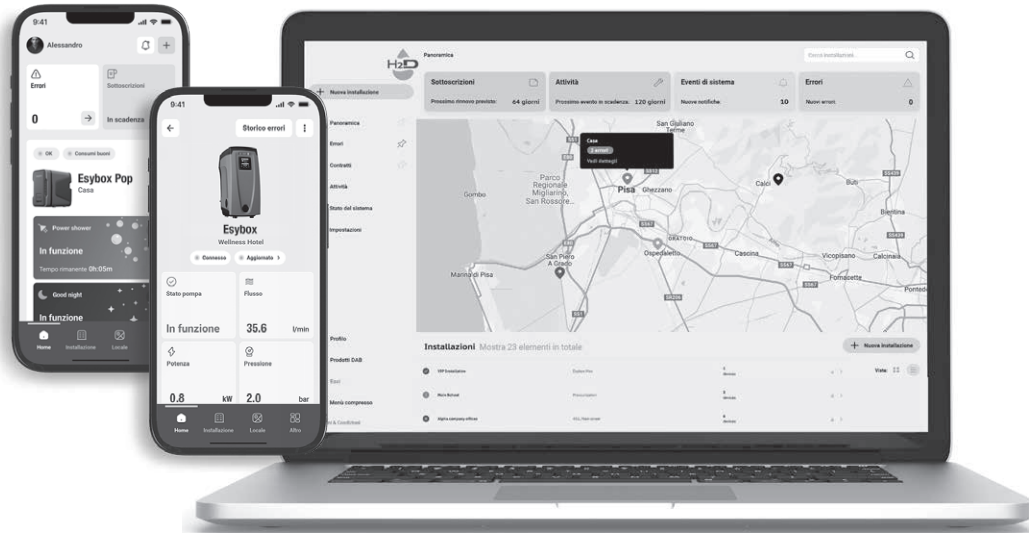
# H<sub>2</sub>D DIGITAL SERVICE

THE SMART PLATFORM FOR MANAGING DAB DEVICES REMOTELY

**H<sub>2</sub>D IS THE DAB PLATFORM — COMING IN A MOBILE AND DESKTOP VERSION — THAT PAIRS WITH LATEST GENERATION DAB DEVICES TO SHOW YOU WHAT'S GOING ON INSIDE SYSTEMS.**

It allows you to configure your pump and optimize its operation remotely, saving time, resources and money.

Ideal for anyone seeking to future-proof their business with solutions designed to improve processes, offer more service, and be environmentally responsible.



## H<sub>2</sub>D FOR PROFESSIONALS

H<sub>2</sub>D simplifies and streamlines work routines, allowing for precise configuration of all parameters.

## SEE THE FUTURE OF YOUR BUSINESS THROUGH A NEW LENS

Desktop and mobile solutions work together seamlessly. With user-friendly access on your smartphone, it's never been easier to communicate with pumps on site or keep an eye on your systems from anywhere. From your desktop, you can dive deeper into data analysis. You can easily enhance workflow, improve customer service, and grow your business.



### OPTIMIZE TIME ON THE JOB

H<sub>2</sub>D allows systems to be controlled remotely and, where needed, work on site is easier to plan.



### PROBLEM FIXED FIRST TIME, EVERY TIME

H<sub>2</sub>D provides all the info you need to prepare for the job on site where required.



### LITTLE OR NO DISRUPTION

Remote monitoring allows you to address potential issues and prevent disruptions.



### MORE SERVICE AND LESS URGENT CALLOUTS = INCREASED PROFIT

With remote monitoring, we offer a 24/7 service that includes preventive maintenance services, helping to avoid emergencies.



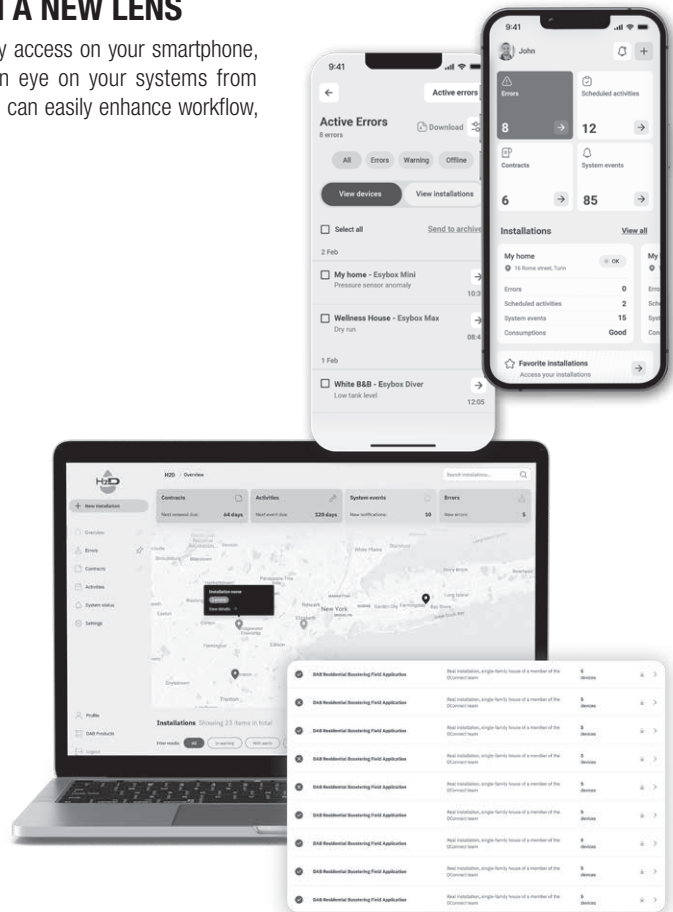
### SATISFIED CUSTOMERS

With parameters optimized remotely, the system ensures consistently smooth operation.



### FROM DCONNECT TO H<sub>2</sub>D

H<sub>2</sub>D replaces and improves on DConnect. Latest generation DAB products connect effortlessly to H<sub>2</sub>D.



# H<sub>2</sub>D DIGITAL SERVICE

THE SMART PLATFORM FOR MANAGING DAB DEVICES REMOTELY



## H<sub>2</sub>D FOR HOMEOWNERS AND END USERS

H<sub>2</sub>D is a tool designed to help you manage water use effectively, optimizing consumption, costs, and comfort.



### OVERVIEW

H<sub>2</sub>D makes it super easy to get a real-time overview of your usage and device operating status. If any issues arise, you can contact support immediately, regardless of your location.

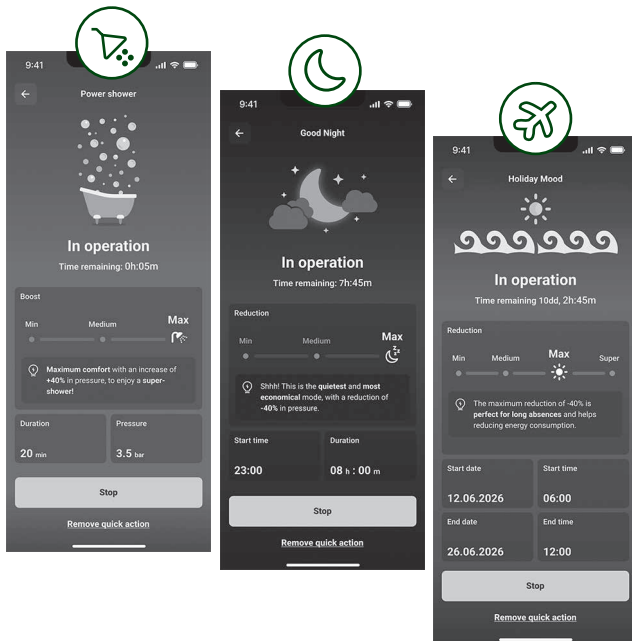


### SMART HOME. TALK WITH ESYBOX!

You can activate comfort modes by speaking to voice assistants like Alexa and Google Home. For example, you can say, “Alexa, activate Power Shower.”

## COMFORT FUNCTIONS

You can access these functions through an app, allowing you to customize the system's performance and features to balance comfort and energy consumption.



### POWER SHOWER

Turn a regular shower into a “power shower”: this feature increases water pressure just for the time it takes to shower, while reducing usage for the rest of the day.



### GOOD NIGHT

During the night — or when taking a quick nap — you can turn on sleep mode: this switches the already quiet pump to whisper-quiet operation. And it also helps reduce consumption.



### HOLIDAY MOOD (For Esybox Pop only)

This important feature helps minimize device activity, thereby saving energy during vacations or extended periods when you are away.

INSTALL H<sub>2</sub>D NOW!



LEARN MORE  
H2D.COM/EN


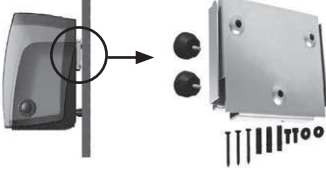



HOW TO USE H<sub>2</sub>D




# ACCESSORIES

ESYBOX MINI<sup>3</sup>

	MODEL
	<p><b>3-PIECE UNION</b></p> <p>Kit comprising 2 x 3-piece unions for easy connection to the system.</p>
	<p><b>ESyWALL</b></p> <p>Kit complete with brackets, screws and anchors, and two accessories for vibration damping.</p>
 <p>77,5 x 19,5 x 27 cm</p>	<p><b>ESyTwin MINI</b></p> <p>Quick-connect base for 2 pumps with 4 different plumbing combinations.</p>



KIT OVERALL DIMENSIONS  
75 x 61 x 27 cm

OUTDOOR KIT	MODEL
	<p><b>ESyCOVER + ESyGRID</b></p> <p>OUTDOOR KIT ESYBOX MINI<sup>3</sup></p> <p>Comprises EsyCover + EsyGrid Mini, designed for outdoor EsyBox Mini<sup>3</sup> installation, protecting it from rain and the entry of foreign matter.</p> <p><b>For vertical installation only.</b></p>



**ESyGRID**

**INTAKE SCREENS**

Suitable for vertical and horizontal mounting positions.

	MODEL
 <p>*EsyBox Mini<sup>3</sup> not included with EsyTank 500 mini</p> <p>166 x 87 x 60 cm</p>	<h3>ESYTANK 500 MINI</h3> <p>Tank specifically designed to work seamlessly with EsyBox Mini<sup>3</sup>, with the following features:</p> <ul style="list-style-type: none"> <li>- EsyDock (specific version) for quick connection</li> <li>- suction pipe with foot valve</li> <li>- valve for filling from mains with float</li> <li>- overflow</li> <li>- discharge fitting</li> <li>- comes ready for floor mounting</li> <li>- inspection cap</li> </ul> <p>500l capacity, which can be expanded with additional tanks on 3 sides.</p>
	<h3>AUXILIARY TANK FOR ESYTANK 500 MINI</h3> <p>The EsyTank AUXILIARY TANK comes without fittings and the EsyBox quick-connect system. The tank is easy to pair with other EsyTank units, meaning the system can be expanded to the required capacity. It can be connected on three sides (on both sides and to the rear) using the ESYTANK COUPLING KIT.</p>
 <p>FOR ESYTANK 500 MINI</p>	<h3>ESYTANK COUPLING KIT</h3> <p>The EsyTank connection kit comprises a PVC coupling with seal (D.160 mm L=150), two PVC alignment pipes (D.50mm x L=60), and connection ring for the option of 2 pumps. It can be used to connect a series of EsyTanks or to connect EsyTank and EsyTank auxiliary tanks.</p>
 <p>FOR ESYTANK 500 MINI</p>	<h3>ESYTANK AUXILIARY DISCHARGE KIT</h3> <p>Comprises a 1" PP discharge pipe. Allows for an auxiliary discharge line for single-tank systems or, in conjunction with the COUPLING KIT, can be used to connect a number of EsyTank and EsyBox systems together and produce multi-pump multi-tank pressure booster sets.</p>
 <p>*EsyBox Mini<sup>3</sup> not included with EsyTank 300 mini</p> <p>115 x 81 x 57 cm</p>	<h3>ESYTANK 300 MINI</h3> <p>Tank specifically designed to work seamlessly with EsyBox Mini<sup>3</sup>.</p> <ul style="list-style-type: none"> <li>- EsyDock (specific version) for quick connection</li> <li>- suction pipe with foot valve</li> <li>- valve for filling from mains with float</li> <li>- overflow</li> <li>- discharge fitting</li> <li>- comes ready for floor mounting</li> <li>- inspection cap.</li> </ul> <p>300l capacity.</p>

**DAB**  
PUMPS SELECTOR

On-line selection tool



**DAB PUMPS LTD.**  
Unit 6 Gilberd Court  
Newcomen Way, Severalls Park  
CO4 9WN  
Colchester  
ordersuk@dwtgroup.com  
Tel. +44 0333 777 5010



**DAB PUMPS IBERICA S.L.**  
Calle Verano 18-20-22  
28850 - Torrejón de Ardoz - Madrid  
Spain  
Info.spain@dwtgroup.com  
Tel. +34 91 6569545



**DAB PUMPS DE MÉXICO, S.A. DE C.V.**  
Av Amsterdam 101 Local 4  
Col. Hipódromo Condesa,  
Del. Cuauhtémoc CP 06170  
Ciudad de México  
Tel. +52 55 553 2621



**DAB PUMPS BV**  
'tHofveld 6 C1  
1702 Groot Bijgaarden - Belgium  
info.belgium@dwtgroup.com  
Tel. +32 2 4668353



**DAB PUMPS HUNGARY KFT.**  
H-8800  
Nagykanizsa, Buda Ernő u.5  
Hungary  
Tel. +36 93501700



**DAB PUMPS SOUTH AFRICA (PTY) LTD**  
Twenty One industrial Estate,  
16 Purlin Street, Unit B, Warehouse 4  
Olifantsfontein -1667 - South Africa  
info.sa@dwtgroup.com  
Tel. +27 12 361 3997



**DAB PUMPS B.V.**  
Statenlaan, 4  
5223 LA, 's-Hertogenbosch  
Nederland  
info.nl@dabpumps.com  
Tel. +31 416 387280



**DAB PUMPS POLAND Sp. z o.o.**  
Ul. Cieslewskich 35K  
03-017 Warszawa - Poland  
sprzedaz@dabpumps.com.pl



**DAB PUMPS (QINGDAO) CO. LTD.**  
No.10 Xindong Road  
Jiulong Town,  
Jiaozhou City  
266319 Qingdao (Shandong) - China  
sales.cn@dwtgroup.com  
Tel. +86 400 186 8280



**DAB PUMPS FRANCE SAS**  
Tour Ariane, Paris la Défense 9  
5, Place de la Pyramide  
92800 Puteaux - France  
info.fr@dabpumps.com  
Tel. +33 (0)6 79 63 05 46  
+33 (0)7 89 01 53 35



**DAB PUMPS INC.**  
3226 Benchmark Drive  
Ladson, SC 29456 - USA  
info.usa@dwtgroup.com  
Tel. 1- 843-797-5002  
Fax 1-843-797-3366



**DAB PUMPS OCEANIA PTY LTD**  
426 South Gippsland Highway,  
Dandenong South VIC 3175 - Australia  
info.oceania@dwtgroup.com  
Tel. +61 1300 378 677



**DAB PUMPS GMBH**  
Am Nordpark 3  
D - 41069 Mönchengladbach - Germany  
info.germany@dwtgroup.com  
Tel. +49 2161 47388-0  
Fax +49 2161 47388-36



**DAB PUMPS CANADA INC.**  
333 Bay Street, Suite 4600, Toronto,  
Ontario, M5H 2S5, - Canada  
orders@dwtgroup.ca  
Tel. 1-833-322-7867



**PT DAB PUMPS INDONESIA**  
Satrio Tower lantai 26  
unit C-D, Jl. Prof. Dr. Satrio Kav. C4,  
Kel. Kuningan Timur, Kec. Setiabudi, Kota Adm.  
Jakarta Selatan, Prov. DKI Jakarta. - Indonesia  
Tel. +62 2129222850