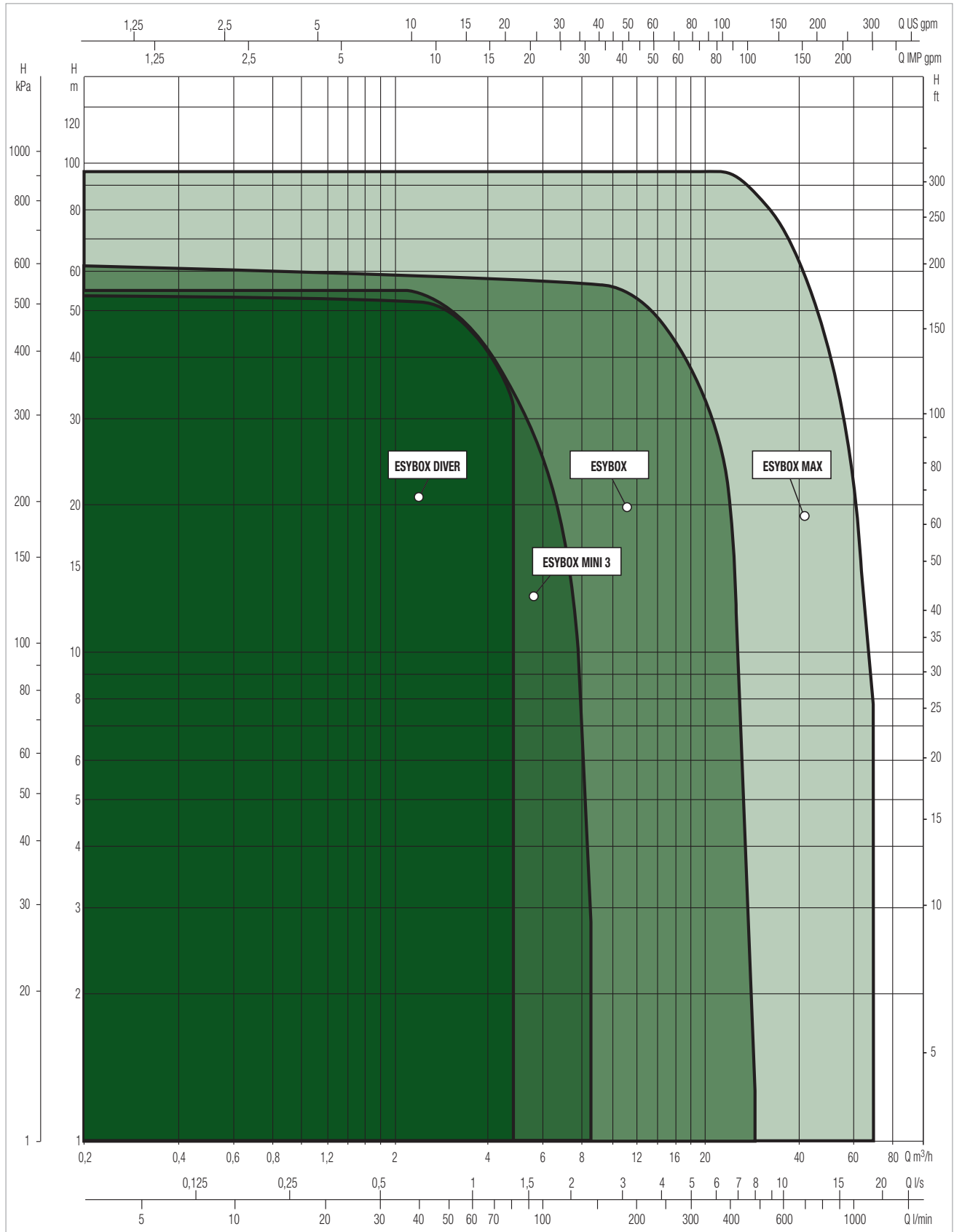# DAB
WATER•TECHNOLOGY

esybox mini³

ELECTRONIC PRESSURISATION SYSTEM

PERFORMANCE RANGE

The performance curves are based on kinematic viscosity values = 1 mm2/s and density equivalent to 1000 kg/m3. Curve tolerance according to ISO 9906.

GRAPHIC SELECTION TABLE

ESYBOX DIVER

ESYBOX

ESYBOX MAX

ESYBOX MINI 3

ESYBOX MINI ³
ELECTRONIC PRESSURISATION SYSTEM

BUILT-IN CONNECTIVITY

Dconnect APP
(For Installer)

DAB Live APP
(For end user)

DAB live!

TECHNICAL DATA

Flow rate: 4,8 m³/h
Head: 55 m
Type of pumped liquid : Clean, free from solid or abrasive substances, non-viscous, non-aggressive, non-crystallized and chemically neutral
Liquid temperature:
From +0°C to +35°C for domestic use
From +0°C to +40°C for other use
Maximum ambient temperature: +50°C
Maximum Suction depth: 8 m
Maximum Operation pressure: 7,5 bar / 750 kPa
Motor protection class: IP X4
Motor insulation class: F
Impeller material: Technopolymer
Single phase power input: 230 V 50 Hz
Power cord (m) and plug: 1,5 meter with power plug
Type of installation: Fixed, vertically, horizontally or on the wall with special accessories (supplied separately)
Certification: WRAS, ACS, NFS

Electronic self-priming multi-impeller pressurization system for domestic pressurization, rainwater reuse, ground water, gardening and irrigation and for watering small gardens in residential building service. It is possible to create groups of max two pumps. It supports the remote control function thanks to the DConnect service integrated directly into the system.

CONSTRUCTION FEATURES OF THE PUMP
Self-priming multi-impeller pump. Protective hull in sound-absorbing ABS. Technopolymer impellers. Motor shaft in stainless steel. Non-return valve and integrated expansion vessel.
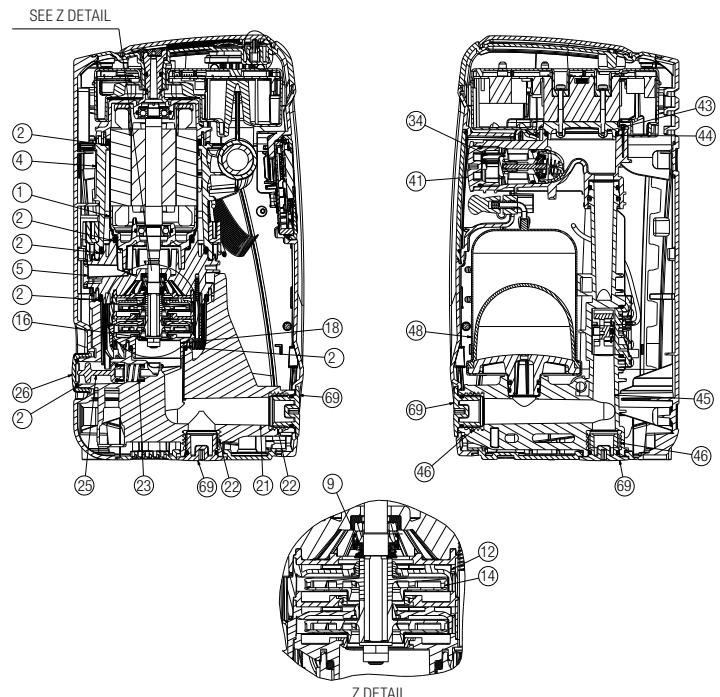
CONSTRUCTION FEATURES OF THE MOTOR
Motor cooled by pumped liquid, stainless steel motor jacket. Complete with power cable and plug.

CONSTRUCTION FEATURES OF THE ELECTRONIC
Adjustable display. The variable frequency drive function saves energy and protects against water hammer. Guided procedure for the first start-up, easy configuration, possibility to view the alarm history.
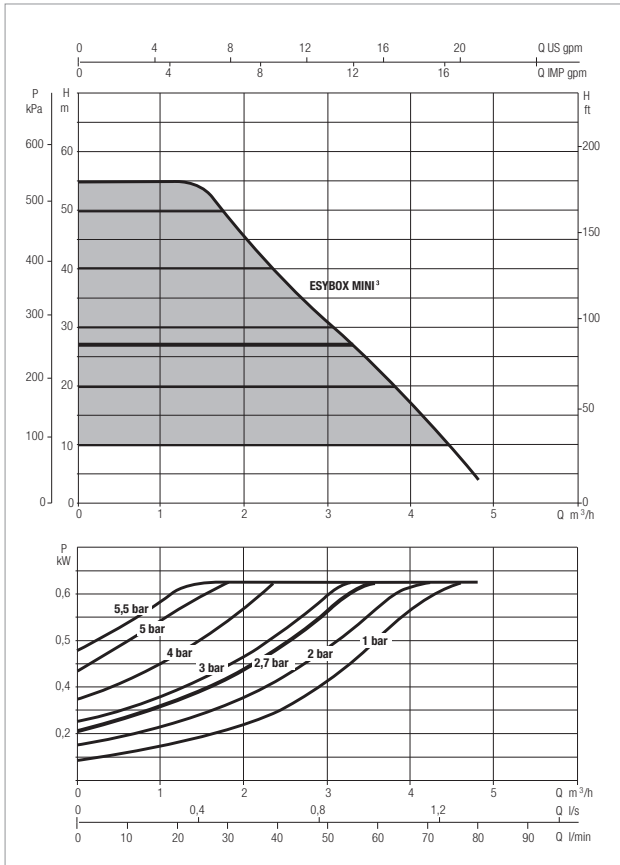
MATERIALS

N°	PARTS	MATERIALS
1	MOTOR SLEEVE	STAINLESS STEEL AISI 304
2	O-RING	NBR
4	MOTOR BODY	PP OMO 30% GF
5	MECHANICAL SEAL DISC	PA 6.6 30% GF
9	MECHANICAL SEAL	CARBON IMPREGNATED RESIN / CERAMIC / NBR
12	DIFFUSER	NORYL
14	IMPELLER	NORYL
21	SUCTION BODY	PP OMO 30% GF
22	INSERT 1"	BRASS
23	SHUTTER SPRING	STAINLESS STEEL AISI 303
25	SELFPRIMING SHUTTER	POM
26	1" PLUG	PP OMO 30% GF
34	NON RETURN VALVE	TECHNOPOLYMER / RUBBER / STEEL
41	1" 1/4 PLUG	PA 6.6 30% GF
43	HEAT SINK	BRASS
45	DELIVERY BODY	PP OMO 30% GF
46	INSERT 1"	BRASS
48	VESSEL 1L	TECHNOPOLYMER / RUBBER
51	FLOWMETER WHEEL	POM
56	PRESSURE SENSOR BODY	TECHNOPOLYMER
69	1" PLUG	PA 6.6 30% GF

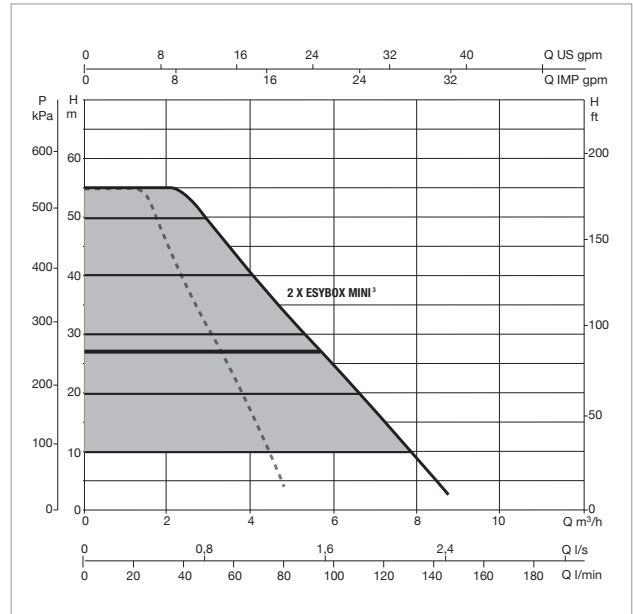SEE Z DETAIL

Z DETAIL

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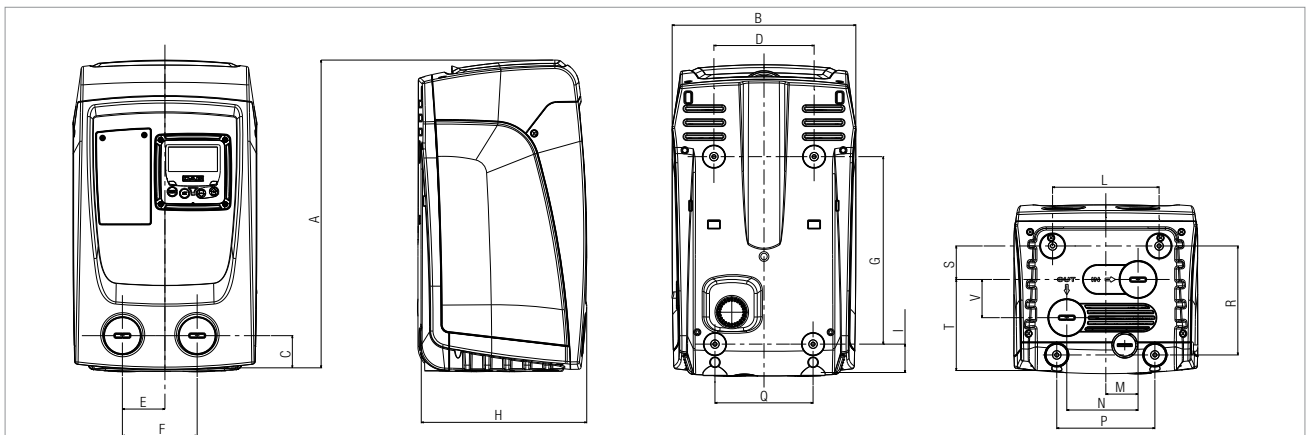# ESYBOX MINI³ - ELECTRONIC PRESSURISATION SYSTEM

Liquid temperature range: from 0°C a +35°C for domestic use - from 0°C a +40°C for other uses. **Maximum ambient temperature:** +50°C

The performance curves are based on the kinematic viscosity values =
1 mm²/s and density equivalent to 1000 kg/m³. Curve tolerance according to ISO 9906.

The performance curves are based on the kinematic viscosity values =
1 mm²/s and density equivalent to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	Q=m³/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 MINI³	H (m)	55	55	55	49	39	31	23	14	4				

MODEL	Q=m³/h	0	1,2	2,4	3,6	4,8	6	7,2	8,4	9,6	10,8	12	13,2	14,4
	Q=l/min	0	20	40	60	80	100	120	140	160	180	200	120	140
2 X ESYBOX MINI³	H (m)	55	55	54	45	34	26	16	6					

MODEL	ELECTRICAL DATA				
	N° IMPELLER	POWER INPUT 50/60 Hz	P1 MAX		In A
			kW	HP	
ESYBOX MINI³	3	1x220-240 V ~	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	DNA	DNM	PACKING DIMENSIONS			WEIGHT Kg
																					L/A	L/B	H	
ESYBOX MINI³	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

DAB PUMPS reserves the right to make modifications without notice.

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DCONNECT DIGITAL SERVICES
REMOTE CONTROL FOR ELECTRONIC RESIDENTIAL AND COMMERCIAL SYSTEMS

The D.Connect service offers simple and intuitive remote control of your installation, without the need of a server or specialist personnel.
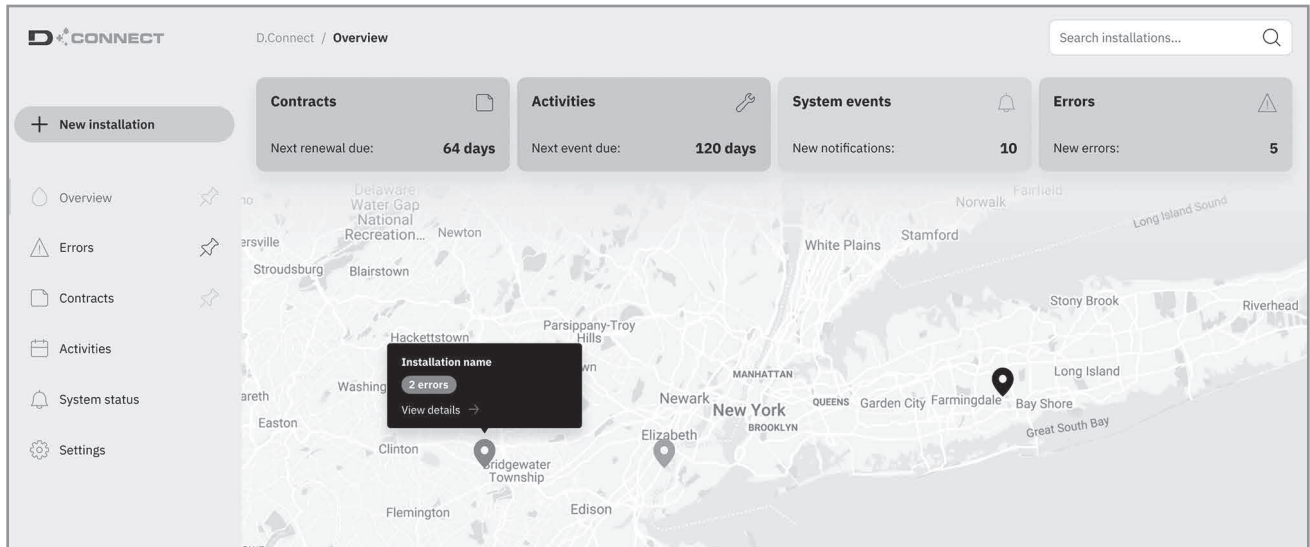**With DConnect, you can remotely manage your installations as if you were right in front of them.**
Thanks to the system operation charts, you will also be able to optimise operation. You will also receive prompt notifications of any system faults.
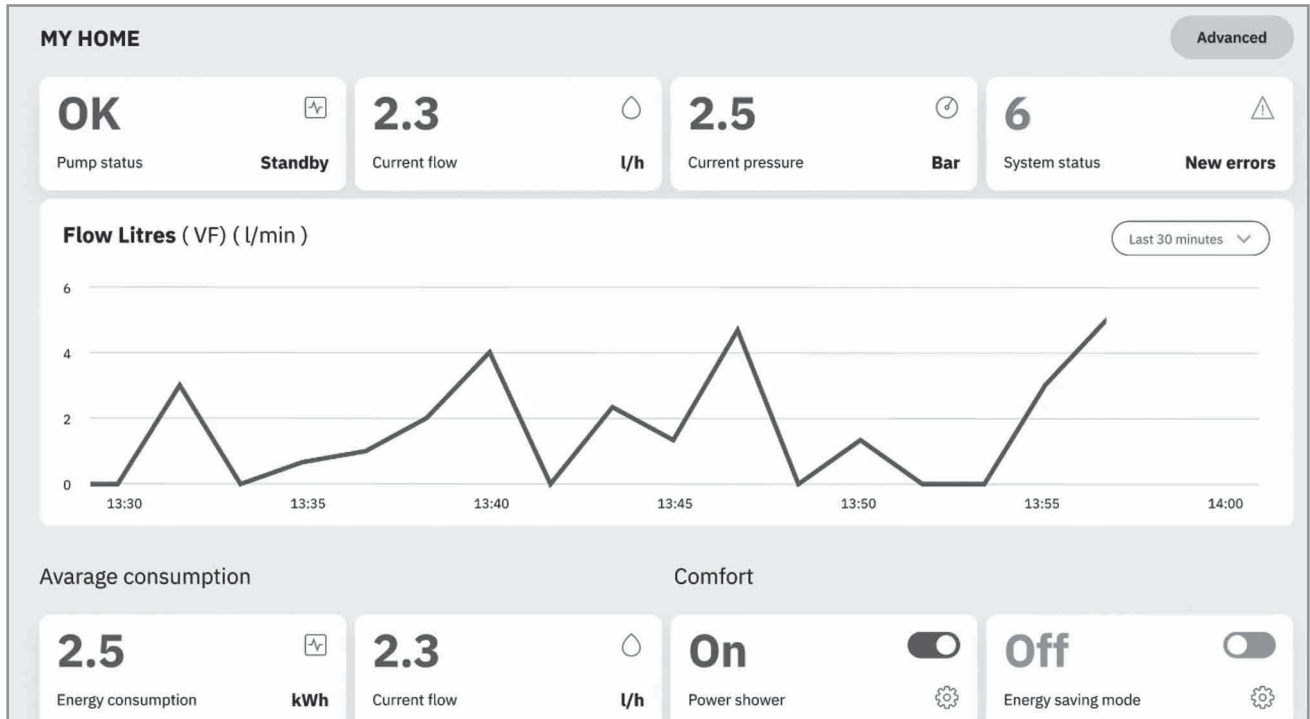
THE SERVICE ALLOWS TO:

EASILY MONITOR YOUR SYSTEMS
The installations with green status are OK, while the orange ones need attention, and the red ones are experiencing problems.

TAKE ANY NECESSARY ACTIONS AS IF YOU WERE RIGHT IN THE PUMP ROOM
Using the internet site or the APPs, you will be able to easily and quickly control your systems.
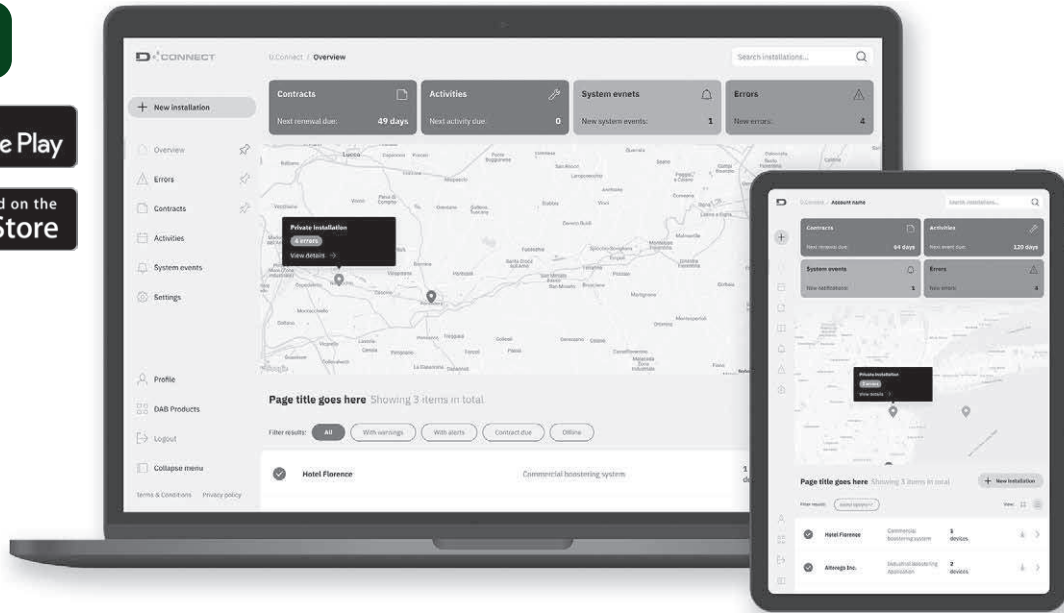

REMOTE ALARMS
In case of alarm, the DConnect service will promptly send you a notification, so that you can check what is happening and organise a visit to the system before the issue becomes an emergency for your customer.

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DCONNECT DIGITAL SERVICES

REMOTE CONTROL FOR ELECTRONIC RESIDENTIAL AND COMMERCIAL SYSTEMS

In order to use the D.Connect service, registration and connected products are required.
Connect to the website: **https://dconnect.dabpumps.com** using Internet Browsers such as Microsoft Edge or Google Chrome.
The Android and iOS D.Connect APPs can be downloaded from the relevant Stores:

WHAT PRODUCTS CAN YOU MANAGE USING THE DCONNECT SERVICE?

NgDrive, NgPanel, MCE/P, MCE/C, ADAC, Active Driver Plus, Ebox, Evoplus, EsyBox (old version), EsyBox Mini[3], EsyBox Diver, Dtron 3, Esybox Max.

For more information visit: **www.internetofpumps.com**

DCONNECT

Simple and intuitive digital service for remote monitoring of DAB products: it allows you to find all the information you need, supervise the operation of the systems, or change the setting parameters.

APP DAB LIVE!
Available for EsyBox mini[3]

It makes easier for end users to supervise domestic systems in order to optimize consumption and maximize comfort, also thanks to Power Shower and Sleep Mode functions.

DCONNECT DIGITAL SERVICES

DATA RETENTION 1 MONTH MONITORING AND CONTROL	DATA RETENTION 12 MONTH MONITORING AND CONTROL	
BASIC PACKAGE	**PLUS 12 PACKAGE**	**PLUS 36 PACKAGE**
1 YEAR SERVICE	**1 YEAR** SERVICE	**3 YEARS** SERVICE

2 trial months included Possibility to upgrade to a higher package at any time.

DATA PACKAGE	KIT MODEM WiFi + WALL CHARGER + SIM
12 MONTHS SIM DATA TRAFFIC RENEWAL SERVICE	**12 MONTHS** OF TRAFFIC INCLUDED

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	DESCRIPTION
*Esybox Mini³ not supplied with EsyTank **166 x 87 x 60 cm**	# ESYTANK 500 MINI Tank specially studied to better integrate with Esybox Mini³ and equipped with: • Esydock (specially versioned) for quick connection. • suction hose with foot valve • filling valve from the water supply with float • Overflow • flow connection • preparation for ground mounting • inspection plug Capacity 500 L with the possibility of expansion on 3 sides.
*Esybox Mini³ not supplied with EsyTank **115 x 81 x 57 cm**	# ESYTANK 300 MINI Tank specially studied to better integrate with Esybox Mini³ and equipped with: • Esydock (specially versioned) for quick connection. • suction hose with foot valve • filling valve from the water supply with float • Overflow • flow connection • preparation for ground mounting • inspection plug Capacity 300 L
	ESYTANK AUXILIARY CISTERN The ESYTANK AUXILIARY CISTERN is supplied without any fittings or the ESYDOCK. The tank has a modular design to couple easily with other ESYTANK units, making the system expandable to the necessary capacity. It can be connected on three sides (at side and rear) using the ESYTANK TANK COUPLING KIT.
	# ESYTWIN MINI Thanks to the 4 plumbing configuration possibilities offers an 'installation even more rapid, easy and flexible. It is complete with all the interfaces required for connecting to the system. It incorporates anti vibration feet to ensure the same quietness as EsyBox.

	DESCRIPTION
	KIT PIPE UNION 3PCS MF 1" WITH O-RING Kit consisting of 2 x 3-piece unions, to facilitate the connection of Esybox mini³ to the system.
18,4 x 14,3 cm	# ESYWALL It complete with brackets, screws, dowels and two accessories for absorption of vibrations.

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