DAB
WATER • TECHNOLOGY

ngpanel

ELECTRONIC CONTROL PANEL

BUILT-IN **CONNECTIVITY**

NGPANEL
ELECTRONIC CONTROL PANEL

TECHNICAL DATA

Single-phase power: 1 x 230 VAC 50/60 Hz
Three-phase power: 3 x 400 VAC - 3 x 575 VAC 50/60 Hz
Maximum operating current:
1 x 29 A (1 x 230 VAC - 1 x 110 VAC)
1 x 12 A (3 x 400 VAC - 3 x 230 VAC)
2 x 12 A (1 x 230 VAC - 1 x 110 VAC)
2 x 12 A (3 x 400 VAC - 3 x 230 VAC)
2 x 20 A (1 x 230 VAC - 1 x 110 VAC)
1 x 8 A (3 x 575 VAC)
2 x 8 A (3 x 575 VAC)
IP protection: IP55 and NEMA 3R
Room temperature: -10°C +50°C
Starting capacitor: supplied as an additional kit
Maximum altitude: 1000 m. above sea level
Certification: CE, UL/CSA

Control panel for the control and protection of single-phase or three-phase pumps in residential, commercial and livestock environments, used for removing sewage and drainage water or filling (transferring) water into tanks.

The control panel protects the pumps and allows them to operate in automatic mode when connected to floats, level probes, or depth probes.

The graphic display allows for easy use thanks to the multilingual configuration wizard. It is possible to select the operating mode (filling or emptying) and the types of controls (floats, level probes or depth probes), or scroll through the alarm history.
The control panel features a self-extinguishing thermoplastic enclosure with IP55 and NEMA 3R protection class.
Various accessories may be combined with the control panel, such as controls (floats, level probes, depth probe) and capacitors for single-phase pumps, to be installed inside the panel itself.
Inside the control panel are: connection terminals for single-phase or three-phase power supply (L1, L2, L3); connection through single-phase or three-phase pump meters (U-V-W); connection terminals for thermal protection; three flashing light or siren alarm signalling output contacts.

NgPanel features Bluetooth and Wi-Fi connectivity, and can be managed using the DConnect app.
When there is no Wi-Fi connection, it is possible to use the DAB Wi-Fi Modem Kit, connecting it directly to the dedicated USB port inside the control panel.

The alarms displayed include: pump overheating or overloading, water leaks into the oil chamber, breakdowns or malfunctioning, excessive number of restarts. There is the possibility of calculating the amount of water pumped out of the collection tank.
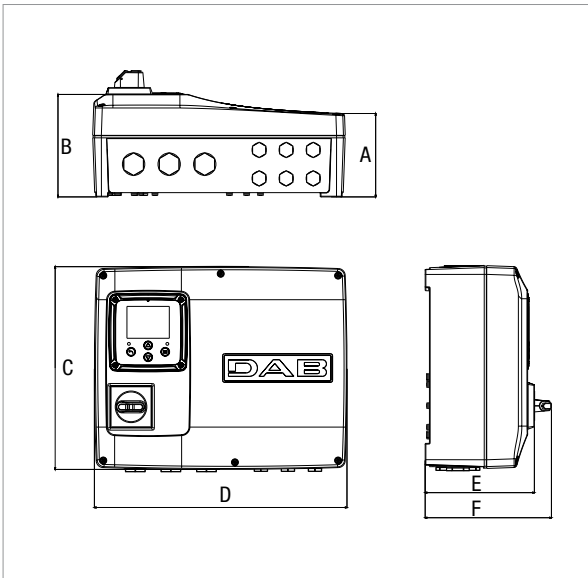
MODEL	A	B	C	D	E	F	PACKING DIMENSIONS			WEIGHT Kg
							L/A	L/B	H	
NGPANEL 1 PUMP 29 A	120	145	285	320	155	180	435	243	313	3,7
NGPANEL 2 PUMPS 20 A	120	145	285	320	155	180	435	243	313	3,7
NGPANEL 2 PUMPS 12 A	120	145	285	320	155	180	435	243	313	3,7

MODEL	VOLTAGE 50/60 Hz	STARTING	PUMP MAX CURRENT A	PUMP MAX POWER (P2) kW
NGPANEL 1 PUMP 29 A	1 x 230 VAC - 1 x 110 VAC	DIRECT	29	4,5
	3 x 400 VAC - 3 x 230 VAC		12	5,5
	3 x 575 VAC		8	5,5
NGPANEL 2 PUMPS 20 A	1 x 230 VAC - 1 x 110 VAC	DIRECT	20	2,5
	3 x 400 VAC - 3 x 230 VAC		12	5,5
	3 x 575 VAC		8	5,5
NGPANEL 2 PUMPS 12 A	1 x 230 VAC - 1 x 110 VAC	DIRECT	12	1,5
	3 x 400 VAC - 3 x 230 VAC		12	5,5
	3 x 575 VAC		8	5,5

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 D.Connect, 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.
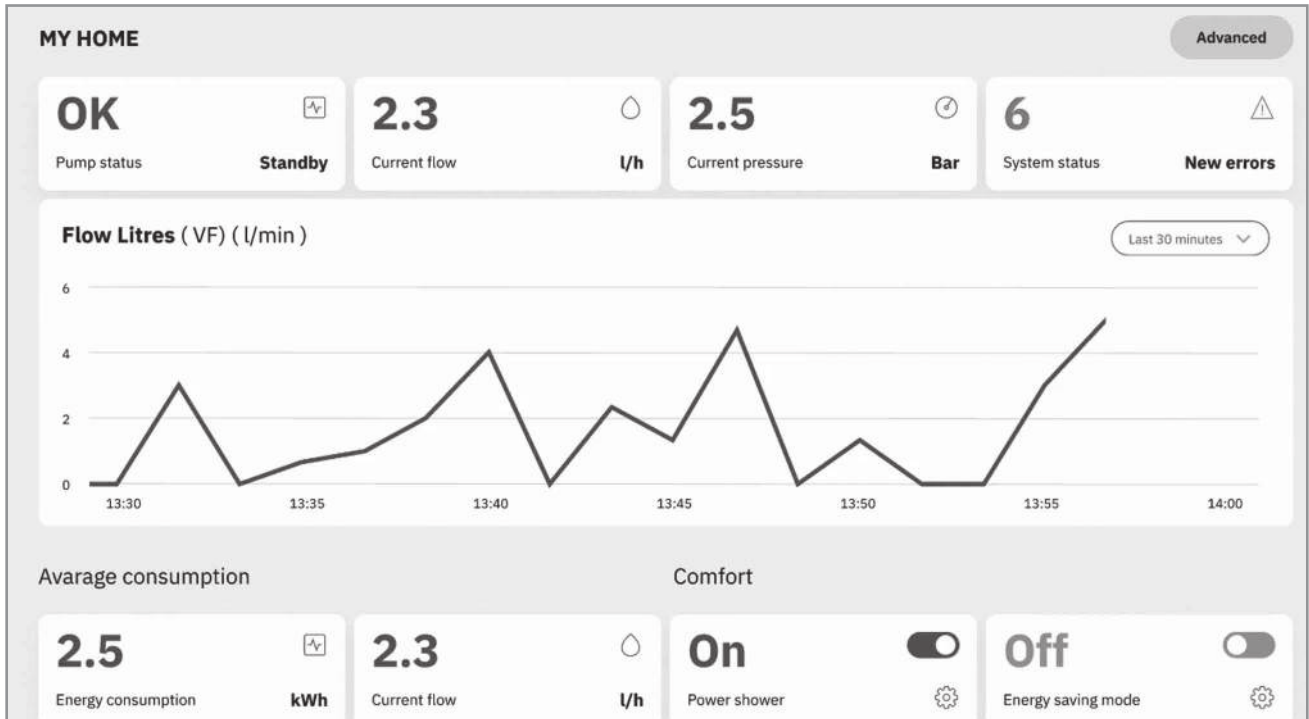
THE SERVICE ALLOWS TO:

EASILY MONITOR YOUR SYSTEMS
The installations with green status are OK, while the orange ones need attention, and the red ones are experiencing problems.
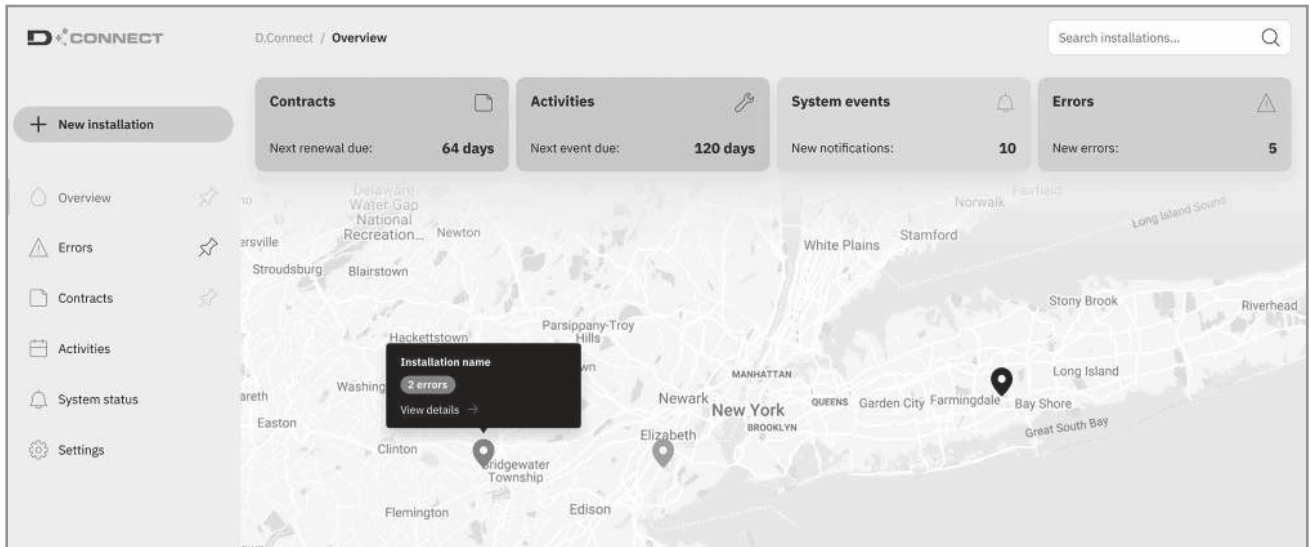
TAKE ANY NECESSARY ACTIONS AS IF YOU WERE RIGHT IN THE PUMP ROOM
Using the internet site or the APPs, you will be able to easily and quickly control your systems.


REMOTE ALARMS
In case of alarm, the D.Connect 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.

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:
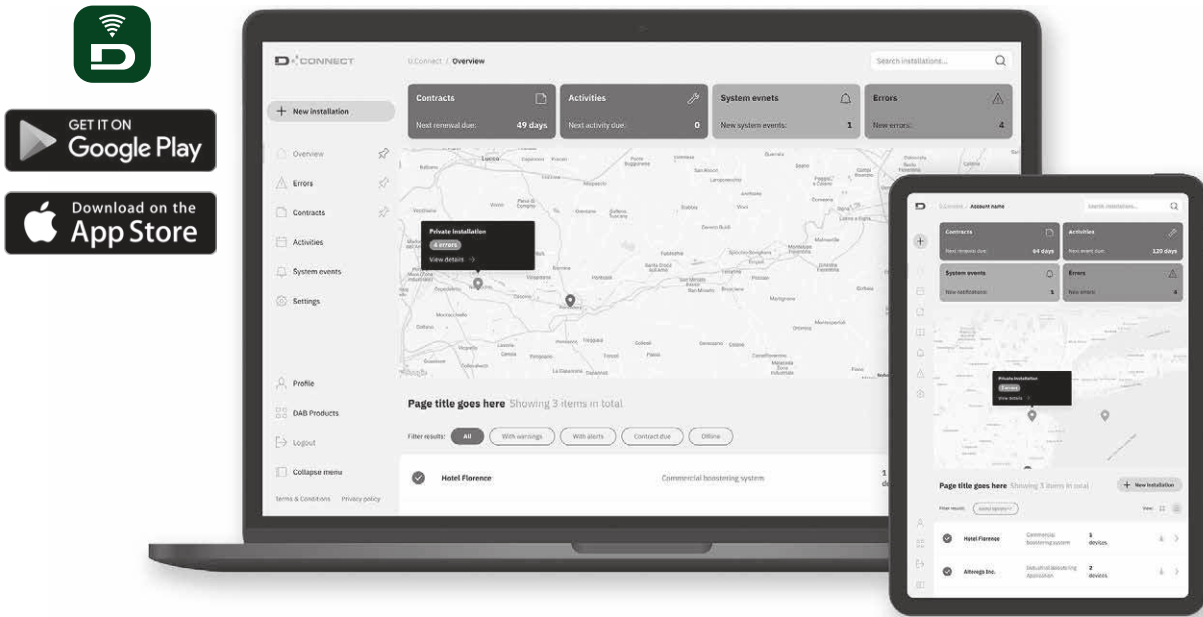
WHAT PRODUCTS CAN YOU MANAGE USING THE D.CONNECT SERVICE?
NgDrive, NgPanel, MCE/P, MCE/C, ADAC, Active driver Plus, Ebox, Evoplus, Esybox, Esybox mini, Esybox Diver, Dtron 3, Esybox Max.

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 mini³
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

DAB SMART SYSTEM

Used in conjunction with **DAB Virtual Cockpit** and **DConnect**, it becames a very smart sysment, with an intuitive and effective user experience.
Setting up the system is extremely quick thanks to the wizard: it takes 5 steps and 5 minutes to completely set up the plants.

USER INTERFACE

Employing a consistent vertical scroll logic, the homepage also provides quick access to menus for the individual sections. On a single clear, user-friendly screen, **DAB Virtual Cockpit** summarizes all the key information to be monitored in order for the system controlled with **NgPanel** to work at its best.

The buttons are cross-arranged for easy interaction and the menu navigation symbols are intuitive.

△	Press to browse the menu. Press to increment the selected parameter. Press and hold to increase the increment speed.
▽	Press to browse the menu. Press to decrement the selected parameter. Press and hold to increase the decrement speed.
☰	Press to confirm and go to the next screen. Press to access the selected menu page.
↰	Press to cancel and return to the previous screen. Press to leave the current menu page.

SYSTEM OPERATION STATUS

CONNECTIONS

SINGLE PUMP STATUS

TANK STATUS

CONNECTION TO THE DCONNECT APP
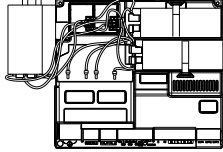
PROTOCOLLI DI RETE

✽	**Bluetooth:** standard di trasmissione dati wireless, a corto raggio (punto a punto). È possibile collegare dispositivi come telefoni cellulari, personal computer, tablet. Collegamento tramite smartphone, direttamente a NgPanel in caso di configurazione da telefono tramite app DConnect.
📶	**WI-FI:** short-range wireless data transmission standard (point-to-point). You can connect devices such as mobile phones, personal computers, tablets. Connection via smartphone, directly to NgPanel in case of configuration from smartphone via DConnect app.

	DESCRIPTION	
	FLOAT KEY	5 METERS
		10 METERS
		15 METERS
		20 METERS
	BULB-FLOAT	10 METERS
		20 METERS
	DEPTH SENSOR 0-5 MT- 20 MT. CABLE FOR DRAINAGE WATER	
	LEVEL PROBE FOR DRAINAGE WATER	

	DESCRIPTION
	FLASHING 230V 5W 50/60 HZ Equipped with a 5W incandescent bulb (The alarm outputs are free contacts and must be powered.)
	ACOUSTIC ALARM -- 230 V - 50 HZ (The alarm outputs are free contacts and must be powered.)
	GRINDER CAPACITORS KIT ONLY for 60Hz single-phase Grinder FX pumps.

It is also possible to find further information and technical details from DNA by connecting to the address: **dna.dabpumps.com**

DAB
WATER•TECHNOLOGY

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PUMPS SELECTOR

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