



# e.syline

**THE NEWEST INNOVATION IN  
ELECTRONIC PRESSURE SYSTEMS.**



**THE NEWEST INNOVATION IN  
ELECTRONIC PRESSURE SYSTEMS.  
SAVE MONEY – SAVE ENERGY**

**2 MODELS... 1 COMPLETE LINE**

📍 house

📍 apartment  
or small residence



Up to 3 floors, 2 bathrooms and 50m<sup>2</sup> of garden

**e.sybox mini**



E.syline, a complete line of electronic booster pump solutions that redefines the rules of residential water pressurisation. With two models, e.syline is a series of fully integrated pump systems and accessories. Designed to create a modular and flexible solution that meets a wide range of applications: from a small residence to a large complex of apartments.

# e.sybox



UP TO  
**\$275**  
SAVINGS PER  
YEAR\*  
ON ELECTRICITY BILLS

Up to 6 floors - Max 9 apartments



## e.sybox

📍 small apartment complex

📍 large apartment complex

**e.sy** APP DOWNLOAD THE APP, FRAME AND DISCOVER THE AUGMENTED REALITY



UP TO  
**\$1100**  
SAVINGS PER YEAR\*  
ON ELECTRICITY BILLS

Up to 9 floors - Max 17 apartments

## e.sytwin

\* \$AUD compared to a traditional booster set in terms of average usage conditions.



PRESSURISATION



GARDENING AND IRRIGATION



REUSE OF RAINWATER

# ELECTRONIC WATER PRESSURE SYSTEM



## e.sybox



### DAB-ESYBOX - 800621

Leading the way in electronic pump technology, the E.SYBOX is a completely new solution in domestic water supply. It is ideal for water pressure boosting in domestic and light commercial applications.

The E.SYBOX is a revolutionary and innovative all-in-one pump solution comprising of:

- A self-priming multistage pump
- Electronics for control and management
- Pressure and flow sensors
- High-resolution LCD display
- 2 Litre integrated expansion vessel

#### Features:

- Powerful performance flow up to 2 L/sec and head up to 6 bar
- Self priming up to 8 metres
- Dry run protection to stop pump damage if no water is present
- 2 Litre expansion tank protects against thermal fluctuations and reduces pump starts
- Intelligent anti-freeze protection prevents formation of ice inside unit
- Over/under voltage protection and over current protection
- Wireless connectivity facilitates the creation of pressure booster sets and connection to other DAB devices

2 Year Parts & Labour Warranty  
AS/NZS4020 Drinking Water Approved



**QUIET**  
45 dB (A) in normal operation\*

\*3 bar, 12 lpm

### ENERGY EFFICIENT

- VARIABLE SPEED INVERTER MAINTAINS CONSTANT PRESSURE USING LESS ENERGY UNDER LOW FLOWS.
- THE E.SYBOX IS AN ALL-IN-ONE HIGH EFFICIENCY PUMP AND CONTROL SOLUTION.
- SAVE POWER - 30-40% ENERGY SAVING!

### DESIGNED FOR DOMESTIC & RESIDENTIAL USE

- SLEEK DESIGN ALLOWS FOR QUICK AND EASY HORIZONTAL OR VERTICAL INSTALLATION.
- EASY TO USE LCD DISPLAY TO CUSTOMISE SETTINGS AND TRACK ENERGY SAVINGS.
- ULTRA COMPACT - 30% SPACE SAVING!

### EASY MAINTENANCE

- TECHNICAL COMPARTMENT FOR EASY ACCESS TO ROTOR SHAFT, VERTICAL FILLING PLUG AND EXPANSION TANK.
- HAS A PRACTICAL HOUSING FOR MAINTENANCE TOOLS AND INSTRUCTION MANUAL.
- EASY TO SERVICE INTERNAL NON-RETURN VALVE WITH SPECIAL TOOL PROVIDED.

### SILENT OPERATION

- ULTRA LOW NOISE BY WATER COOLED MOTOR & SOUND PROOF CASING TO 45dB.
- ANTIVIBRATION FEET ABSORB ANY NOISE - PREVENT VIBRATIONS.
- WIRELESS CONNECTION (E.SYBOX ONLY) FOR MULTIPLE PUMP INSTALLS.

## e.sybox

Model	P2	1 ph In	Water Temp	Connections		Weight kg	Dimensions			Taps 
	kW	A	°C	Inlet	Outlet		W	D	H	
DAB-E.SYBOX	1.55	10	0/40	1" BSPF	1" BSPF	24.8	263	362	564	12

### Operating Conditions

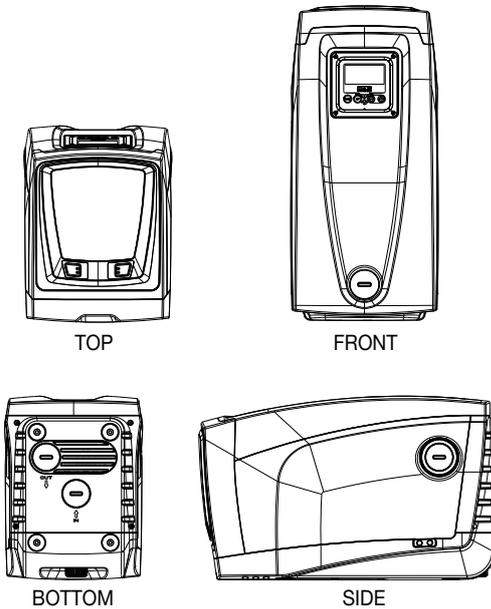
System Pressure	Max. 8 bar (800 kPa)
Liquid Temperature	0°C to +40°C
Maximum Ambient Temperature	+50°C

### Electrical Data

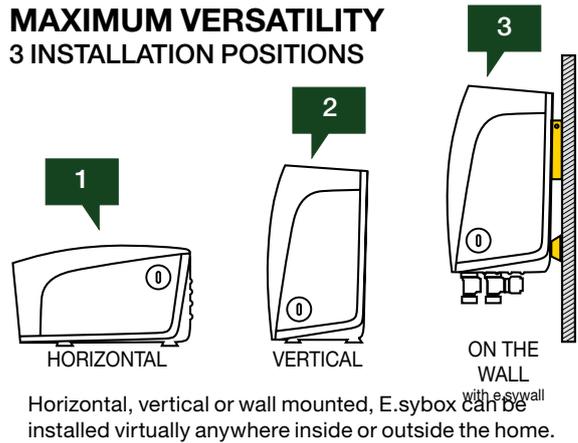
Voltage	1 x 240V, 50 - 60 Hz
Protection Level	IP 44
Insulation Class	F

### Construction

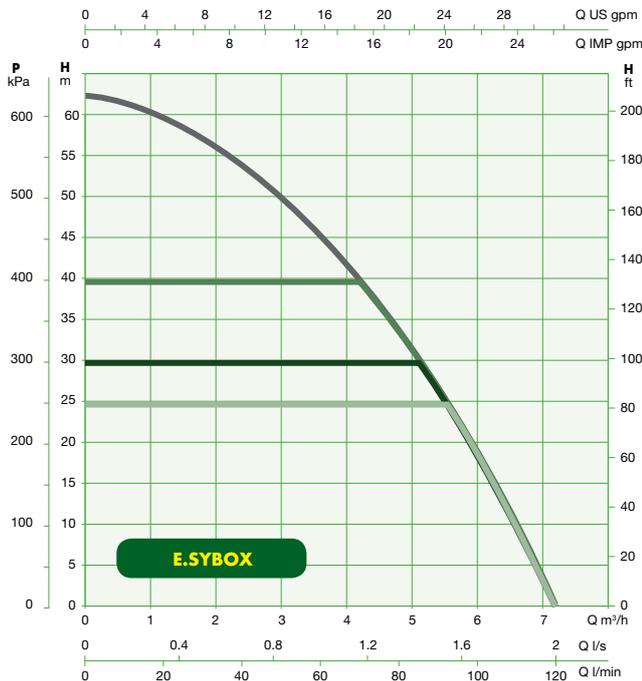
Materials	<ul style="list-style-type: none"> <li>• Composite outer casing</li> <li>• Stainless steel shaft</li> <li>• Technopolymer impeller and diffusers</li> </ul>
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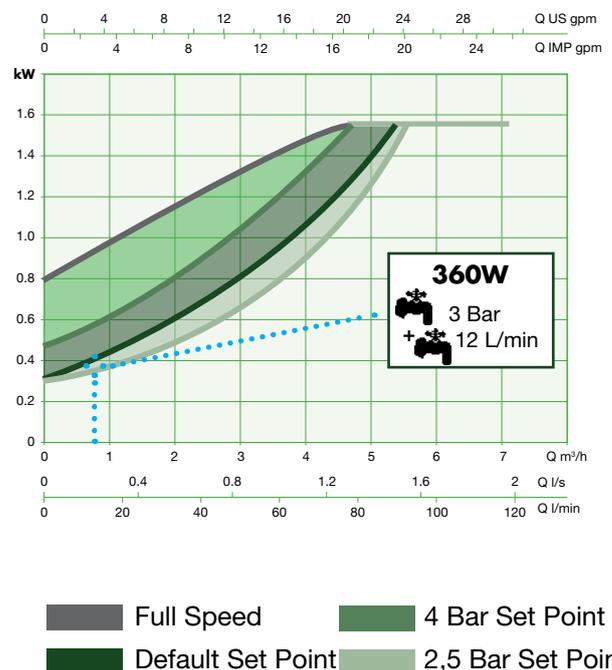
### MAXIMUM VERSATILITY 3 INSTALLATION POSITIONS



### Performance Curve:



### Energy Saving Curve:



# ELECTRONIC WATER PRESSURE SYSTEM



## E.SYBOX MINI<sup>3</sup>

### DAB-ESYBOXMINI<sup>3</sup> - 805406

E.SYBOX MINI<sup>3</sup> is the DAB compact automatic pressurisation system for the water supply of a single dwelling.

E.SYBOX MINI<sup>3</sup> guarantees the comfort of constant pressure (Pressure Set Point adjustable from 1 up to 5.5 bar) inside the system, and energy savings thanks to the inverter technology.

Suitable for use with drinking water, in domestic systems, and in gardening applications. E.SYBOX MINI<sup>3</sup> does not require any additional components for its installation.



ANTI-FREEZE PROTECTION



## FEATURES

It consists of a high frequency self-priming multistage pump, management inverter electronics, pressure and flow sensors, adjustable high resolution LCD display with 1 litre built-in expansion vessel, and cartridge check valve. The double suction and delivery ports allow both vertical and horizontal installation.

Thanks to its compact size and water cooled motor, installation is possible in small places with low air flow.

The E.SYWALL wall bracket allows wall installation, saving even more room.

E.SYBOX MINI<sup>3</sup> is a self-priming pump with a capability of 8 metres.

The water cooled motor, the anti-vibration feet and the electronics, make this product totally comfortable and compact.

Fitted with safety protections including dry run and antifreeze protection.

All the parameters and the operating status can be displayed and set on the high resolution LCD display.

### COMFORTABLE

- GUARANTEES CONSISTENT WATER PRESSURE
- ULTRA LOW NOISE
- NO VIBRATIONS
- REDUCED ENERGY CONSUMPTION

### VERSATILE

- EXTREMELY COMPACT SIZES
- INSTALLATION OPTIONS: HORIZONTAL, VERTICAL
- WALL INSTALLATION THANKS TO E.SYWALL

### SIMPLE

- QUICK TO INSTALL
- EASY TO ADJUST
- EQUIPPED WITH A LARGE DISPLAY
- EASY MAINTENANCE

## E.SYBOX MINI<sup>3</sup>

Model	P1	1 ph In	Water Temp	Connections		Weight	Dimensions			Taps
				Inlet	Outlet		W	D	H	
DAB-E.SYBOXMINI <sup>3</sup>	0.85	4.8	40	1" BSPF	1" BSPF	14.6	236	263	439	8

Operating Conditions	
System Pressure	7.5 Bar (750kPa)
Liquid Temperature	0° to + 40° C
Maximum Ambient Temperature	+50° C

Electrical Data	
Voltage	240 V
Protection Level	IP X4
Insulation Class	F

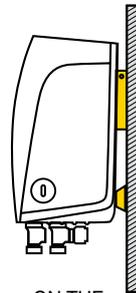
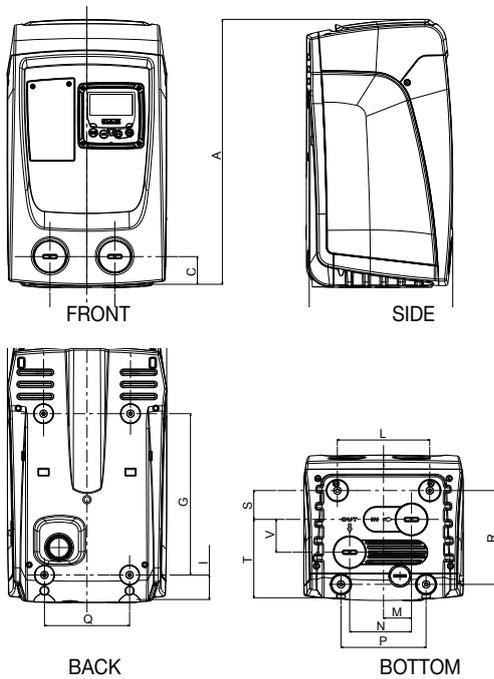
### KEY FEATURES

1. Increased maximum performance with set point adjustable between 1.0 and 5.5 bar.
2. Reduced sound down to 45 dB(A) for 10 l/m at 2.7 bar.
3. Factory setpoint optimized at 2.7 bar

Construction	
Materials	<ul style="list-style-type: none"> <li>• Composite outer casing</li> <li>• Stainless steel shaft</li> <li>• Technopolymer impeller and diffusers</li> </ul>

**QUIET**  
45 dB (A)\*

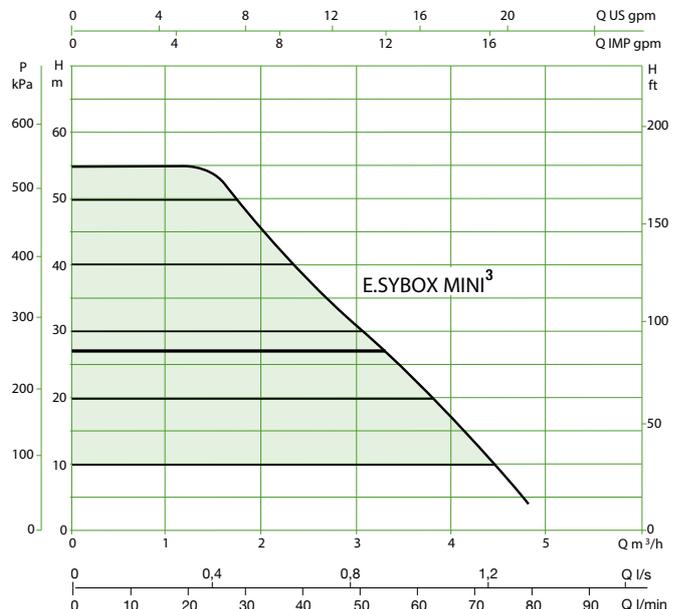
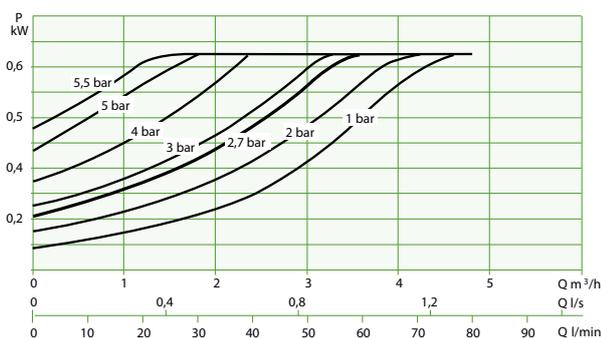
\*duty point 10 l/m at 2.7 bar



ON THE WALL  
with e.sywall

### MAXIMUM VERSATILITY

E.SYBOX MINI<sup>3</sup> can also be wall mounted inside or outside the home.



## E.SYBOX & E.SYBOX MINI<sup>3</sup>



### HORIZONTAL AND VERTICAL INSTALLATION

Horizontal or vertical, E.SYBOX can be installed virtually anywhere inside the home.



### ENCLOSURE

Enclosure is made from ABS material, protecting the system and making it sound proof.



### INVERTER

Thanks to the Inverter technology, E.SYBOX & E.SYBOX MINI<sup>3</sup> absorbs the necessary energy based on water needs, therefore avoiding unwanted waste, and ensuring significant energy savings.



### NEW MOTOR

The new water cooled motor eliminates the noise caused by traditional cooling fans.



### INTERNAL HYDRAULIC CONNECTIONS

Designed to minimise the internal footprint, making the system more compact and maintenance easy.



### TECHNICAL ROOM

Removing the protection door provides easy access to the air vessel loading valve and the non-return valve, for quick and easy maintenance on the E.SYBOX MINI<sup>3</sup>.



### ANTI-VIBRATION FEET

Ensure efficient absorption of vibrations, making E.SYBOX the most quiet running pressure pump of its type on the market. They are designed for both horizontal and vertical system installation.



### NON-RETURN VALVE AT THE DELIVERY

Allows horizontal and vertical installation. It can be easily removed to facilitate maintenance.



### DISPLAY

High resolution 70x40 mm LCD, adjustable for easy readability in the various installation solutions. The intuitive interface provides access to all the information, giving the possibility of customising the main settings based on the specific application.



### FLOW AND PRESSURE SENSORS

Integrated electronic pressure transducer and flow sensor at the delivery.



### EXTERNAL CONNECTIONS

They make it possible to select the most appropriate system inlets and outlets based on the installation.



### EXPANSION VESSEL

Integrated with the system, it has a 2 litre capacity (E.SYBOX) or 1 litre capacity (MINI<sup>3</sup>) and is certified for drinking water. Guaranteed for 5 years, without the need of maintenance.

## E.SYDOCK

DAB-ESYDOCK - 801120 (ESYBOX ONLY)

E.SYDOCK makes installation rapid, easy and flexible.

- 4 plumbing configuration options
- Complete with all interfaces required for connection
- Rapid disconnect function for easy maintenance
- Incorporates anti-vibration feet
- 1 1/4" suction and delivery fittings
- 293L x 318D x 180H E.SYDOCK
- 293L x 345D x 679H with E.SYBOX installed



## E.SYWALL

DAB-ESYWALL - 801122

E.SYWALL mounting bracket

- Comes with brackets, screws and dowels
- Includes two accessories for absorption of vibrations



## E.SYTWIN

DAB-ESYTWIN - 801121 (ESYBOX ONLY)

E.SYTWIN is the evolution of E.SYDOCK, creating connection between two pumps.

A better, longer life

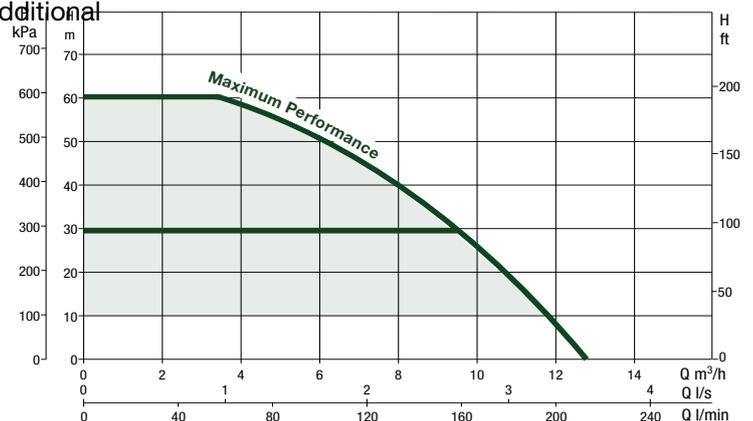
- E.SYTWIN ensures constant water supply thanks to the BACKUP function.
- The new software algorithms constantly analyse the operation of the system, thus optimizing alternating use of the two units.

More power, less space

- E.SYTWIN offers exceptional performance thanks to combined operation with a 50% reduction in size compared to traditional units.

Everything you need

- The wireless interface handles communication between the two units
- Ensures hydraulic connection without need for additional components for installation and operation
- Group operation visible on every display.
- 1 1/4" suction and delivery fittings
- 752L x 358D x 230H E.SYTWIN
- 752L x 358D x 730H with E.SYBOX installed



## E.SYLINK KIT

**DAB-ESYLINK KIT - 802435 (ESYBOX ONLY)**

**Wireless connection for DAB E.SYBOX**

One E.SYLINK will communicate with a group of DAB-E.SYBOX pumps. Easily upgradeable via a computer. Can be installed on DIN modules in standard electrical boxes (size 6 modules). LED for status indication and alarms. Includes E.SYLINK, USB cable, electrical box 8DIN, power supply and 3 cable gland.



## E.SYTANK

### WATER STORAGE TANK READY FOR USE

**DAB-ESYTANK - 805121 (ESYBOX ONLY)**

480 litre tank provided with e.sydock for quick installation. It is suitable for potable water and is equipped with a filling valve from the water supply (complies with UNI EN 1717), with AG type overflow system, suction hose with bottom valve and discharge hose.

The tank is suitable for installation above ground and the four slots on the base facilitate fixing to the ground. It is equipped with direct discharge from the tank.

The system is modular with the ability to install additional tanks on three sides (laterally and to the rear).



## E.SYPUMPCOVER

**DAB-ESYPUMPCOVER - 804871**

**Strong and durable pump cover to suit DAB ESYBOX and ESYBOXMINI3 horizontal mount.**

- Heritage Green colour.
- 700L x 450W x 560H mm.



# SELECTION TABLE

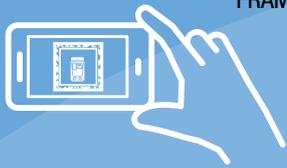
	WATER PRESSURE			IRRIGATION	
	SMALL HOUSE OR UNIT with 1 bathroom	LARGE HOUSE with 2 bathrooms	APARTMENT BLOCK OR COMMERCIAL USE	MAXIMUM NUMBER OF SPRINKLERS STATIC SPRINKLERS RANGE 4M Capacity: 6 l/min Working pressure: 2.4 bar	DYNAMIC SPRINKLER RADIUS 14M Capacity: 20 l/min Working pressure: 3.4 bar
 e.sybox mini <sup>3</sup>	●	-	-	8	-
 e.sybox	●	●	-	16	4
 e.sybox twin	-	-	●	-	7

\*The table is indicative and it is based on average values. Thoroughly analyse the specific application for optimal sizing.

# TECHNICAL DATA

	e.sybox mini <sup>3</sup>	e.sybox
<b>OPERATING RANGE:</b>	flow rate up to 80 l/min; head up to 55m	flow up to 120 l/min; head up to 65m
<b>PUMPED LIQUID:</b>	clean, free from solids or abrasive substances, non viscous, non aggressive, non crystallised and not chemically neutral	
<b>LIQUID TEMPERATURE RANGE:</b>	from 0°C to + 35°C for domestic use and from 0°C + 40°C for other uses	
<b>MAXIMUM SUCTION DEPTH:</b>	8 metres	
<b>MAXIMUM AMBIENT TEMPERATURE:</b>	+50°C	
<b>PRESSURE RATING:</b>	7.5 bar (750 kPa)	8 bar (800 kPa)
<b>MOTOR PROTECTION:</b>	IPX4 (without e.sycover fitted)	
<b>INSULATION CLASS:</b>	F	

E.sy<sup>app</sup>



DOWNLOAD THE APP,  
FRAME AND DISCOVER  
THE AUGMENTED  
REALITY



View the E.sybox  
Promotional Video  
on youtube:



Available from your DAB distributor:

P/I\_AUS/NZ\_DAB\_ESYLINE\_BR\_2019\_V2

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