DAB®
WATER•TECHNOLOGY

e.sybox

THE NEWEST INNOVATION IN ELECTRONIC PRESSURE SYSTEMS.

2018

WHITE™ INTERNATIONAL

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

Approved for Drinking Water AS/NZ 4020 Distributed by White International Pty Ltd

2 Year Parts & Labour Warranty

AS/NZS4020 Drinking Water Approved

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.

Disclaimer: Every effort has been made to publish the correct details in this brochure. No responsibility will be taken for errors, omissions or changes in product specifications.

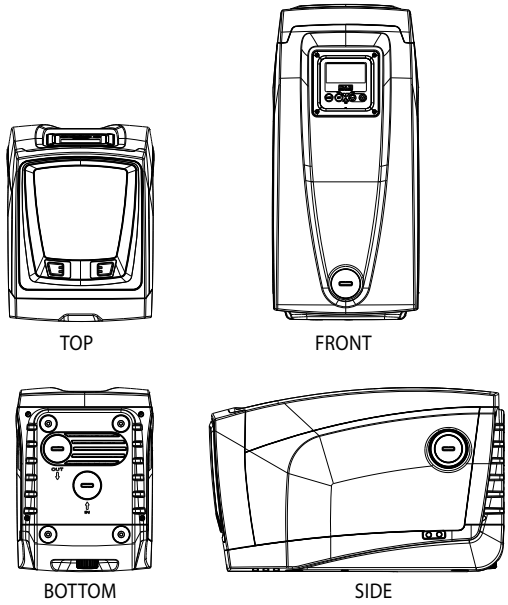
Technical Information

Model	P2	1 ph In	Water Temp	Connections		Weight	Dimensions			Taps
							W	D	H	
	kW	A	°C	Inlet	Outlet	kg	mm			
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

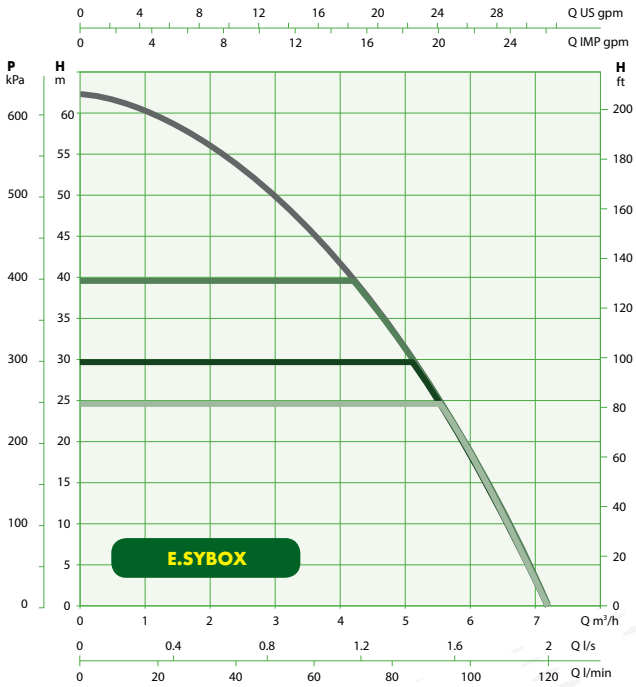
Construction	
Materials	• Composite outer casing • Stainless steel shaft • Technopolymer impeller and diffusers



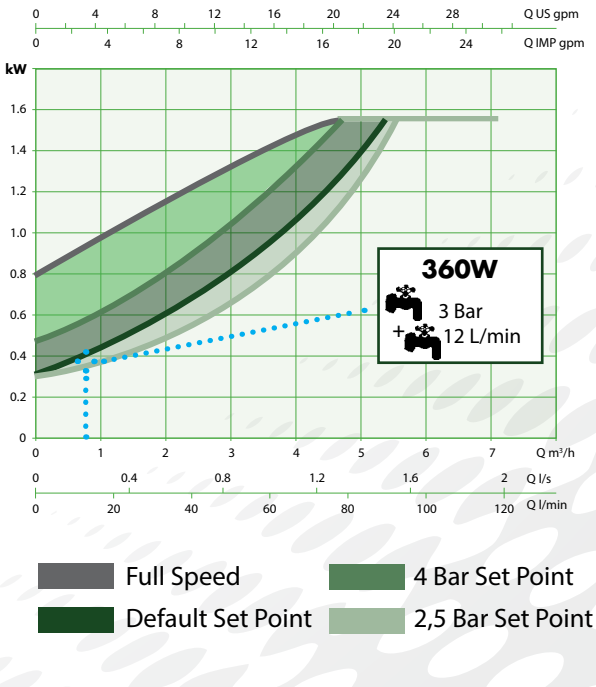
QUIET
45 dB (A) in normal operation

DAB 2 YEAR PARTS AND LABOUR WARRANTY

Performance Curve:



Energy Saving Curve:



Full Speed
4 Bar Set Point
Default Set Point
2,5 Bar Set Point

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ELECTRONIC Water Pressure System E.SYBOX MINI^3

DAB-ESYBOXMINI^3 - 805406

NEW & IMPROVED DESIGN

E.SYBOX MINI^3 is the DAB compact automatic pressurisation system for the water supply of a single dwelling.

E.SYBOX MINI^3 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^3 does not require any additional components for its installation.

Approved for Drinking Water
AS/NZ 4020
Distributed by White International Pty Ltd

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^3 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

ANTI-FREEZE PROTECTION

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Technical Information

e.sybox mini 3

Model	P1	1 ph In	Water Temp	Connections		Weight	Dimensions			Taps
							W	D	H	
	kW	A	°C	Inlet	Outlet	kg	mm			
DAB-E.SYBOXMINI^3	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

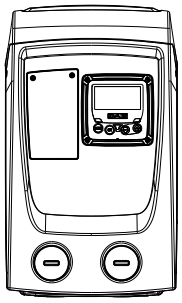
1. Increased maximum performance with set point adjustable between 1.0 and 5.5 bar.
2. Reduced sound down to 45 dB(A) for 10 l/m at 2.7 bar.
3. Factory setpoint optimized at 2.7 bar

Construction	
Materials	• Composite outer casing • Stainless steel shaft • Technopolymer impeller and diffusers

QUIET
45 dB (A)*

*dutypoint 10 l/m at 2.7 bar at 1m

DAB 4 YEAR PARTS AND LABOUR WARRANTY 2+2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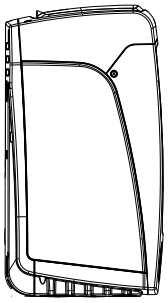
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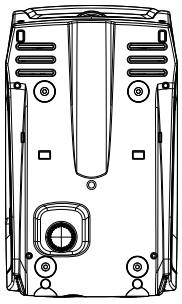
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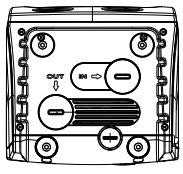
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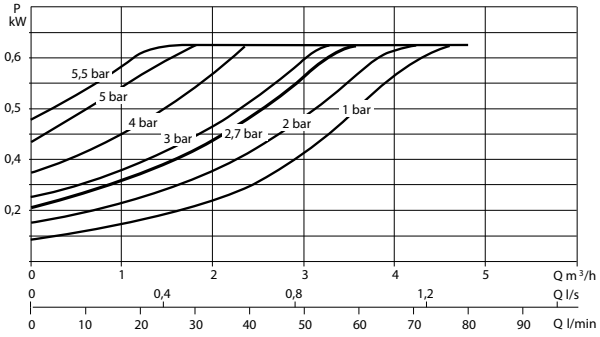

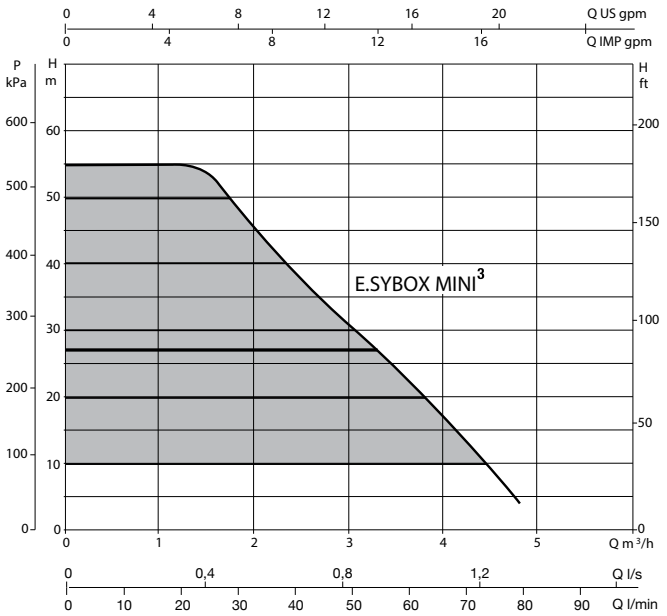

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Features & Benefits E.SYBOX & E.SYBOX MINI[3]

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[3] 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.

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.

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[3].

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[3]) and is certified for drinking water. Guaranteed for 5 years, without the need of maintenance.

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Accessories

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.

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E.sy app

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