

# e.syline



## INTEGRATED ELECTRONIC PRESSURE BOOSTERS DOMESTIC AND RESIDENTIAL APPLICATIONS



DABPUMPS.COM

**DAB**  
WATER • TECHNOLOGY



# e.sybox<sup>mini</sup>

Thanks to the technological know-how developed during more than **40 years**, DAB PUMPS is proud to introduce on the market **e.sybox mini, the most compact electronic pressurisation system in the world.**

Revolutionary and integrated, e.sybox mini provides a new installation experience, and maximum comfort during use.

e.sybox mini benefits of the most **advanced DAB technologies** to ensure a **consistent pressure** based on actual needs, and therefore an **optimisation of energy consumption.**



*Thanks to its versatility, e.sybox mini can be installed anywhere, even under the kitchen sink.*

## COMFORTABLE

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

## VERSATILE

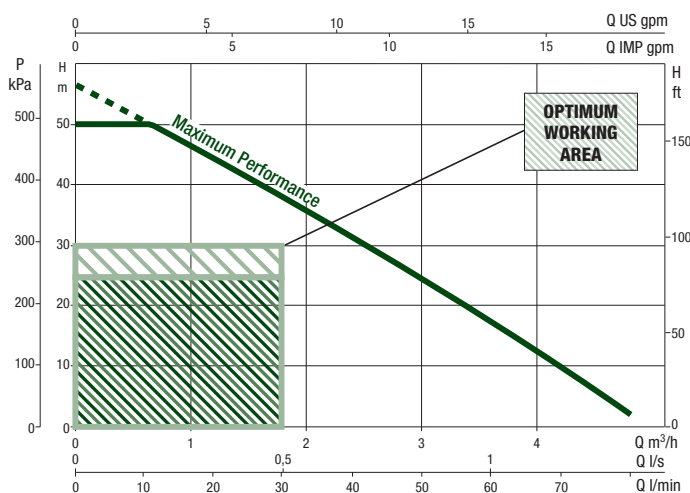
- POSSIBILITY OF HORIZONTAL AND VERTICAL INSTALLATION
- WALL INSTALLATION THANKS TO E.SYWALL
- EXTREMELY COMPACT SIZES\*
- WIRELESS TECHNOLOGY (e.g. FOR EASY SOFTWARE UPDATE)



## MORE SIMPLE

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

e.sybox mini is **the ideal solution for a single dwelling.** Performance is **optimised** and energy savings are maximised within a **working area** with flow rate up to 30 l/min and head between 2.5 and 3.0 bar (factory set-point 3.0 bar).



<b>P1 Max</b> <b>850 W</b>	<b>*Dimensions (mm)</b> <b>439x263x236</b>	<b>Self priming</b> <b>8 m in Max 3 min</b>
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**Recommended installation:**  
Apartment on 3 floors max with 8 open taps.



For more details visit:  
<http://dabpumps.com/e.syboxmini> applications section.

# COMPACT AND INTEGRATED



## INVERTER

Thanks to the inverter, e.sybox mini absorbs the necessary energy based on water needs, ensuring significant economic savings.



## 1 LITRE EXPANSION VESSEL

Integrated in the system, it has a 1 litre capacity and it is certified for drinking water. Guaranteed for 5 years, without the need of maintenance.



## FLOW AND PRESSURE SENSORS

Integrated electronic pressure transducer and flow sensor at the delivery.



## HORIZONTAL AND VERTICAL INSTALLATION

Horizontal or vertical, e.sybox mini can be installed virtually anywhere inside the house.



## CONNECTIONS - FLEXIBILITY OF THE INSTALLATION

They make it possible to select the most appropriate system inputs and outputs based on the installation. They are sealed with plugs with gaskets that are easy to remove.



## DISPLAY

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



## TECHNICAL COMPARTMENT

Removing the protection door provides access to the expansion vessel valve and the non-return valve, for quick and easy maintenance.



## NON-RETURN VALVE AT THE DELIVERY

Easily removable for regular maintenance.



## ANTI-VIBRATION FEET

Suited to both horizontal and vertical installation, they ensure efficient absorption of vibrations, making e.sybox even more comfortable.



## NEW MOTOR

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



## ANTI-FREEZE PROTECTION





SINKS & TAPS



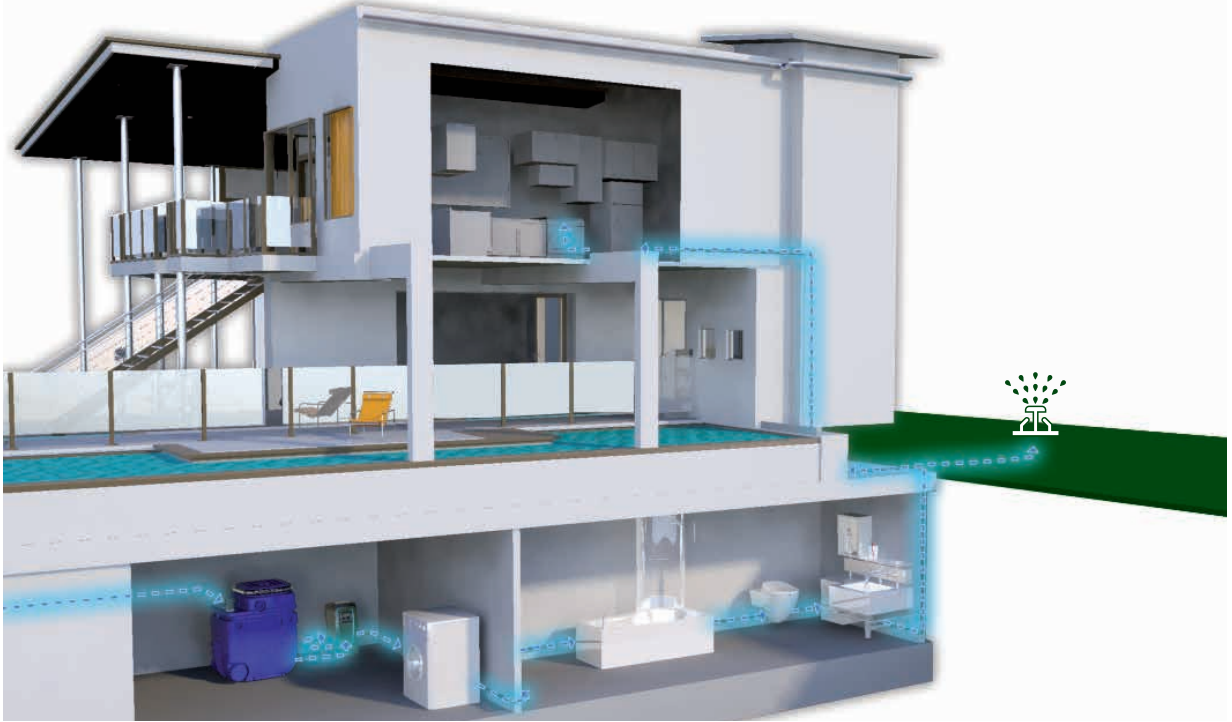
SHOWER & BATHING



GARDEN WATER



RAINWATER REUSE



# e.sybox




e.sybox is a **patented** booster system, unique in its category, with **high performances, efficient, compact, easy and satisfying in the use** both for the installer and the final user.

When e.sybox mini is the solution for water boosting in small dwellings, e.sybox offers the same advantages **in collective residential applications, such as villas or condos**. Wireless technology allows to set up **booster sets up to 4 pumps**.

## MORE COMFORTABLE

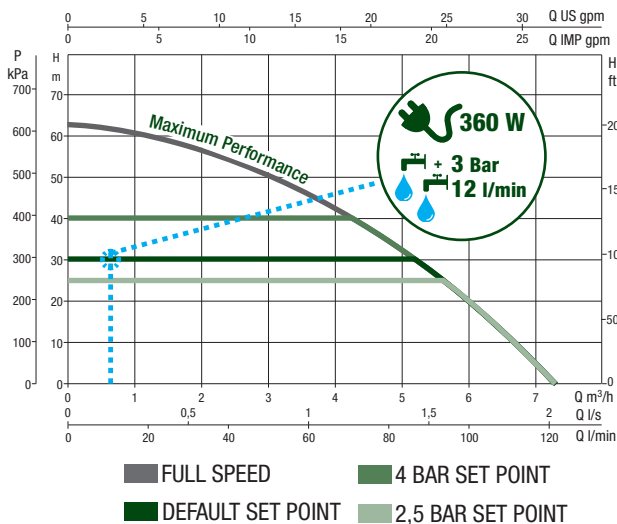
- WHISPER SILENT
- GUARANTEES CONSISTENT WATER PRESSURE
- NO VIBRATIONS
- VERY LOW ENERGY CONSUMPTION

## MORE VERSATILE

- WIRELESS TECHNOLOGY (e.g. BOOSTER SET UP TO 4 PUMPS) 
- INTEGRATED AND COMPACT
- POSSIBILITY OF HORIZONTAL AND VERTICAL INSTALLATION
- WALL INSTALLATION THANKS TO E.SYWALL

## SIMPLE

- QUICK TO INSTALL
- EASY TO SET-UP
- EQUIPPED WITH A LARGE DISPLAY
- EASY MAINTENANCE



P1 Max <b>1,55 kW</b>	*Dimensions (mm) <b>564x263x362</b>	Self priming <b>8 m</b> in Max 3 min
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**Recommended installation:**  
Houses, villas and condos.



For more details visit:  
<http://dabpumps.com/e.sybox>

# EFFICIENT WITH HIGH PERFORMANCES



product design award

2013



WIRELESS



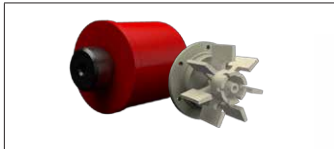
## INVERTER

Thanks to the inverter, e.sybox absorbs the necessary energy based on water needs, ensuring significant economic savings.



## 2 LITRES EXPANSION VESSEL

Integrated in the system, it has a 2 litres capacity and it is certified for drinking water. Guaranteed for 5 years, without the need of maintenance.



## FLOW AND PRESSURE SENSORS

Integrated electronic pressure transducer and flow sensor at the delivery.



## HORIZONTAL AND VERTICAL INSTALLATION

Horizontal or vertical, e.sybox can be installed virtually anywhere inside the house.



## CONNECTIONS - FLEXIBILITY OF THE INSTALLATION

They make it possible to select the most appropriate system inputs and outputs based on the installation. They are sealed with plugs with gaskets that are easy to remove.



## DISPLAY

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



## TECHNICAL COMPARTMENT

Allows easy access to the rotor shaft, vertical filling plug and expansion tank. It is also a practical housing for the maintenance tools and user's guide, functional for using the system.



## NON-RETURN VALVE AT THE DELIVERY

Easily removable for regular maintenance.



## ANTIVIBRATION FEET

Ensure effective absorption of vibrations, making the e.sybox even more silent and comfortable. They are designed for horizontal and vertical installation of the system.



## MOTOR

The new three-phase incapsulated water cooled motor eliminates the noise caused by traditional cooling fans.



ANTI-FREEZE PROTECTION

discover **e.sybox**



# ACCESSORIES

# E.SYLINE

e.syline accessories are all in all functional components, ergonomic extensions of the product. e.sydock, e.sytwin e.sytank ed e.sywall were developed to provide a new experience of installation and use.



## E.SYDOCK\*



1 1/4" delivery and suction fittings

e.sydock, thanks to the 4 possibilities of system configuration, offers an even quicker, easier and more flexible installation. e.sydock is complete with all necessary interfaces for the connection to the installation and anti-vibrating feet. Maintenance, as well, was never that easy, thanks to the quick disconnect feature.



## E.SYTANK\*

e.sydock included

e.sybox not included

e.sytank is the complete tank with the capacity of 480 net liters, that can be fully integrated with the e.sybox. It is suitable for the use with potable water and it is provided with e.sydock, filling valve for the municipal network compliant with UNI EN 1717, AG type overflow system, suction pipe with foot valve and delivery pipings.

The tank is suited for fixed installation above ground, and four slotted holes on the base make the fixing on the ground easier. It is provided with predisposition for direct discharge under the tank. Maintenance of the system, as well, is easy thanks to the inspection cap. The system is modular, thanks to the possibility to install additional tanks on the three sides (laterally and on the back).



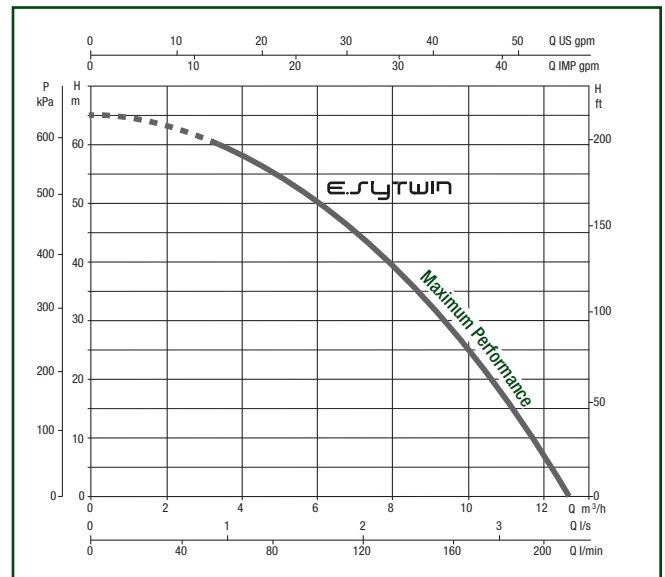
## E.SYTWIN\*



e.sytwin, together with e.sybox, doesn't need any additional component for its installation; it is the evolution of e.sydock, from which it takes all benefits for the set up of booster sets of two pumps.

The software of the e.syboxes constantly analyzes the functioning of the system, optimizing therefore the alternate running of the two pumps.

e.sytwin offers extraordinary performances thanks to the possibility of combined operation, with sizes reduced up to 50% in comparison with any other traditional system. The wireless interface manages the communication between the two pump units and the functioning of the booster set can be visualized on the display.



## E.SYWALL

Suitable both for e.sybox and for e.sybox mini, it is a complete kit with stirrups, screws, dowels, and two accessories for vibration dampening.



\* ONLY FOR E.SYBOX

# SELECTION GUIDE






product design award

2013

If you're thinking about boosting the water pressure all around your home, then think about the super-smart DAB e.sybox.

The integrated DAB e.sybox is a whisper quiet home booster system that uses less energy yet delivers constant water pressure to taps and showers, any time you need it.

**Discover the whole e.syline now!**

MAX NUMBER OF STOREYS	PRESSURE BOOSTING			IRRIGATION	
	SMALL APARTMENT with 1 bathroom (6* 🚿)	MEDIUM-SIZED APARTMENT with 2 bathrooms (10* 🚿)	HOUSE / BIG APARTMENT with 2 bathrooms + garden (15* 🚿)	SPRINKLERS RADIUS 4M Flow: 6 l/min Pressure: 2,4 bar	SPRINKLERS RADIUS 14 M Flow: 20 l/min Pressure: 3,4 bar
	MAX NUMBER OF APARTMENTS			MAX NUMBER OF SPRINKLER	
	1	2	2	8	-
	2	2	2		
	3	2	1		
	1	9	5	16	4
	2	8	5		
	3	7	5		
	up to 6	6	3		
	1	16	10	-	7
	up to 3	16	10		
	4	15	9		
	5	14	8		
	6	12	7		
	up to 8	11	6		

The prospect is indicative and it is based on average values. For the optimal sizing, the specific installation must be accurately analyzed.



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