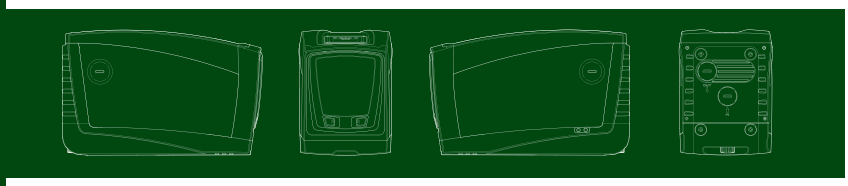
# e.sybox

product design award 2013

## ELECTRONIC WATER PRESSURE SYSTEM

DAB WATER•TECHNOLOGY



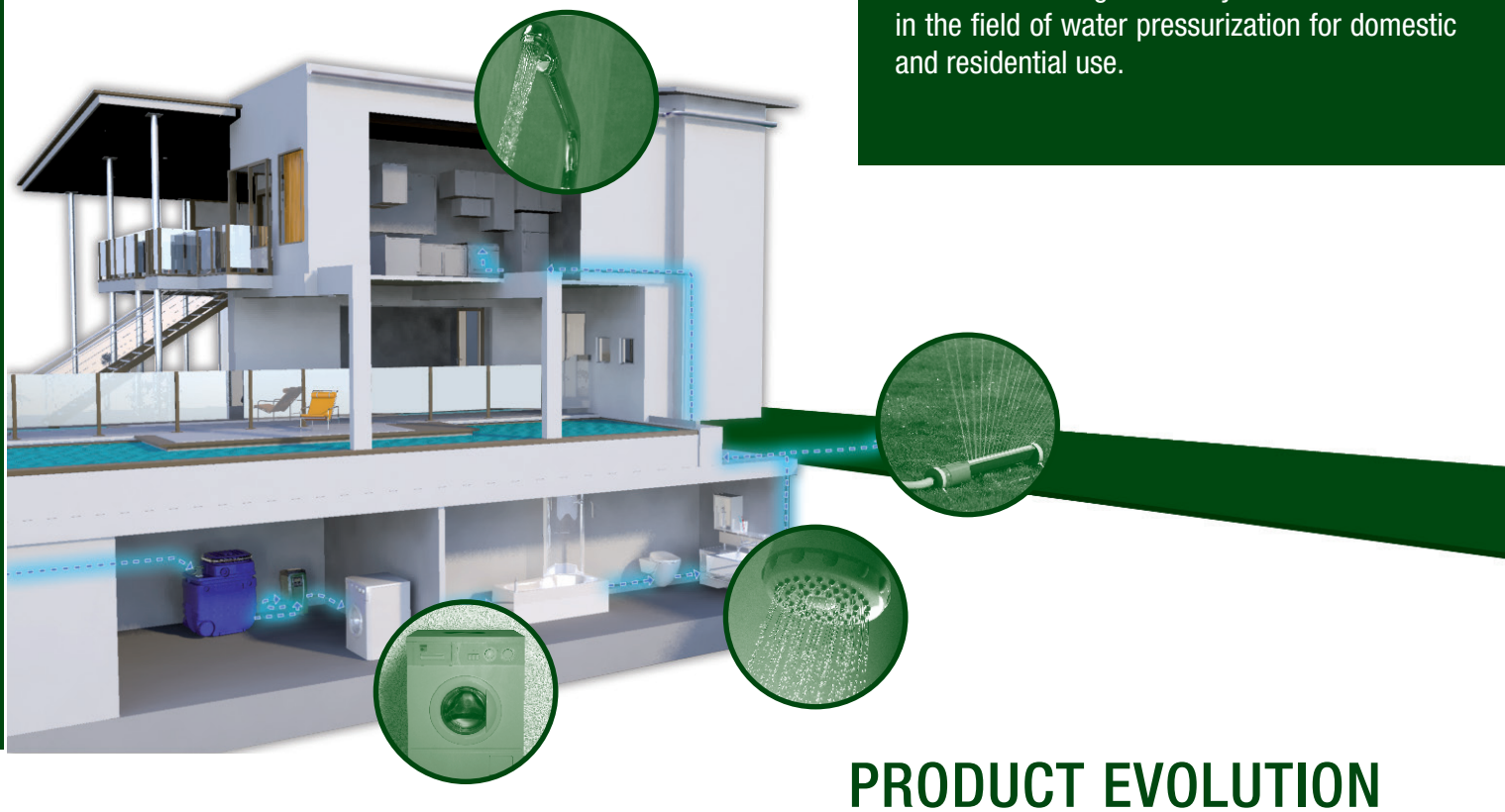
# e.sybox

We conceived e.sybox according to our idea of ergonomic technology* and we have developed it enclosing and expressing all the DAB technological know-how based on 37 years of experience in the mechanics and electronics sector.

A new **PATENTED** milestone of DAB evolution.

The result is a system, the only one of its kind, efficient, compact, easy to use and satisfactory for the installer as well as the final user.

Thanks to these features, the e.sybox is the most evolved ergonomic system in the world in the field of water pressurization for domestic and residential use.



## PRODUCT EVOLUTION

JET | AQUAJET | SMART PRESS | ACTIVE EI | EUROINOX AD

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# ERGONOMIC TECHNOLOGY

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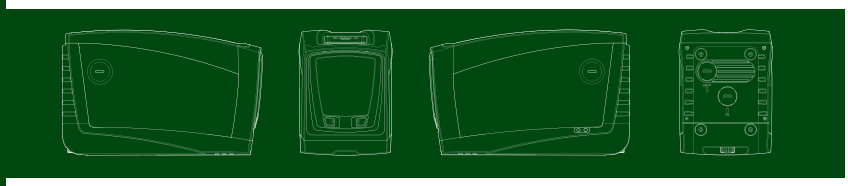
*Ergonomic technology is characterised by a high level of usability, which may be expressed by means of the following dimensions:

- the ease of installation
- the ease of learning to operate the system
- a satisfactory use

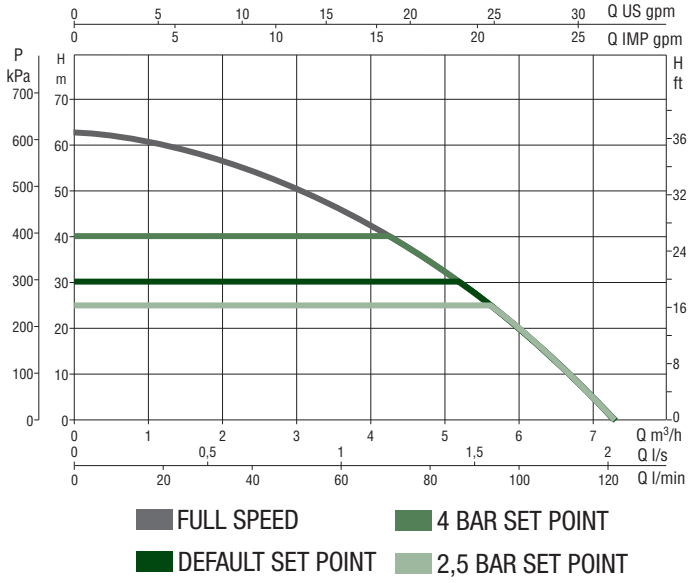
see more about e.sybox
**www.dabpumps.com/e.sybox**

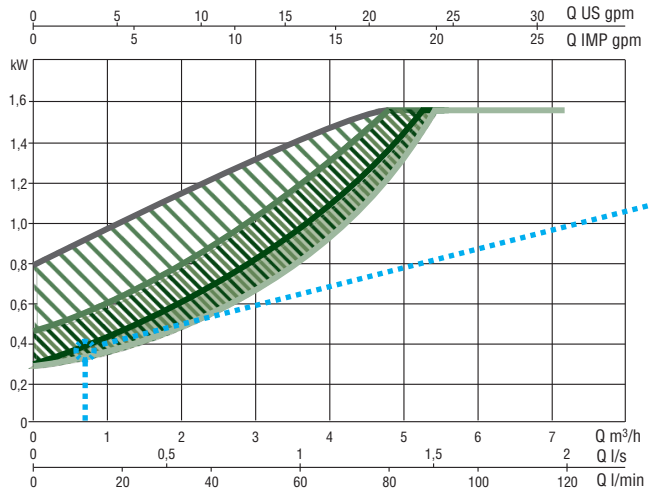


# e.sybox

e.sybox is, first of all, an integrated electronic system equipped with inverter technology; each component has been developed to give maximum performance with minimum effort, bringing innovation to the service of simplicity.

All this is enclosed inside a “case” with its typical Italian design.



ENERGY SAVING GRAPH

## INVERTER ELECTRONIC BOARD

Thanks to the Inverter technology, e.sybox draws the energy necessary according to the water requirements, thereby avoiding futile wastes and allowing considerable economic savings.

## SENSORS

The new compact electronic pressure transducer with built-in temperature sensor developed by DAB, together with the flow sensor, both positioned on the pump delivery, send the necessary signals to the board for proper control of the system.

## INTERNAL HYDRAULIC CONNECTIONS

Designed to minimise the dimensions, ensure compactness of the system and make maintenance easy.

## EXPANSION TANK

Integrated in the system, it has a 2-litre capacity and is certified for drinking water. Comes with a 5-year guarantee, no maintenance required.

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# EFFICIENT AND INTEGRATED

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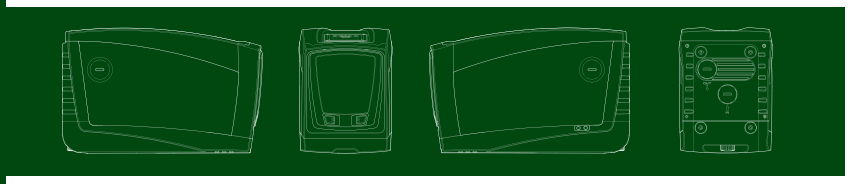
see more about e.sybox
www.dabpumps.com/e.sybox



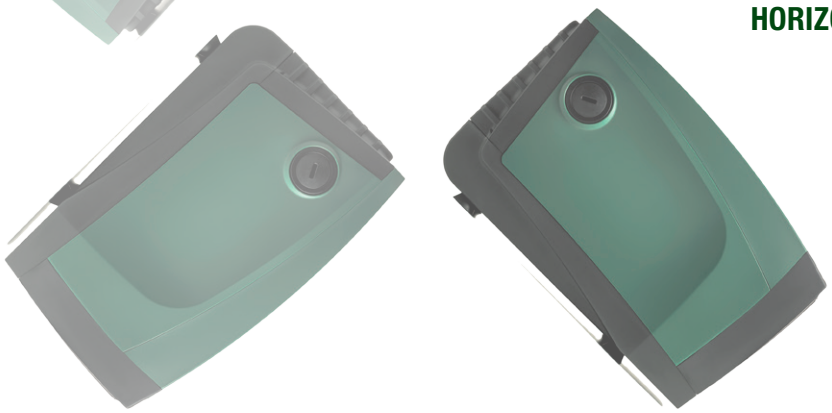
# e.sybox

The features and design of the e.sybox make the system easily adaptable to any type of installation.

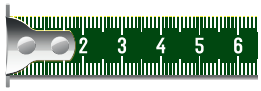
Horizontal or Vertical, in a ventilated room or in a recess, any setting will be perfect for making the best possible use of the e.sybox, which ensures a reduction of at least 30% of the dimensions as compared to any other traditional system.

## VERTICAL INSTALLATION

## HORIZONTAL INSTALLATION



**263L x 352P x 564H***




*e.sybox vertical

### EXTERNAL CONNECTIONS

Covered with caps fitted with gasket. Easy to remove, the suction and delivery of the system to be used can be easily selected, depending on the installation.

### DISPLAY

LCD 70x40 mm high-resolution adjustable for easy reading in the various installations. The user-friendly interface makes it possible to access all the information and customise the main settings according to the specificity of the 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.

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# COMPACT AND VERSATILE

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## MOTOR

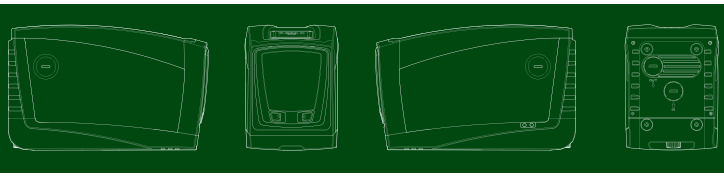
New water-cooled motor highly resistant to corrosion. Makes it possible to install the system in a recess.

## CHECK VALVE AT THE DELIVERY

Allows horizontal as well as vertical installation of the system. It can be easily removed to facilitate maintenance

## PROTECTION OF THE WATER IN THE SYSTEM FROM FREEZING (ANTI FREEZE)

e.sybox is provided with a protection device which prevents the formation of ice inside, by activating the pump in case the temperature falls below values approaching freezing point.



# e.sybox

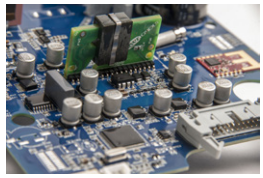
Every detail of the e.sybox is carefully designed to ensure the levels of comfort which fix new reference standards for the sector.

Just connect the e.sybox to the power socket to have all the water required, when it is required.

The noise perceived as well the vibrations are reduced to the minimum and the system is whi-sper-silent only 45 dB in standard use.

**45 dB**

**3 Bar**
**12 l/min**



## HYDRAULICS

Multi-stage self-priming up to 8 m.

## MOTOR

The new water-cooled motor elimina-tes noise generated by the traditional cooling fans.

## INVERTER

The new variable-speed electronics ensures constant pressure in relation to the flow rate. The systems with inverter technology make less noise compared to the traditional on/off sy-stems because they regulate the mo-tor rpm according to requirements and are also equipped with gradual start-up and switch off.

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# SILENT AND COMFORTABLE

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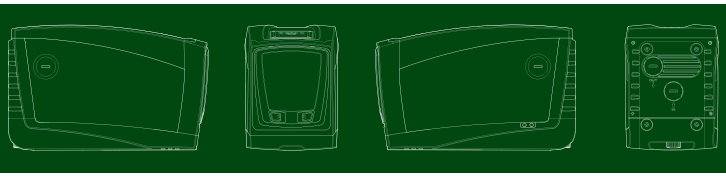
## ENCLOSURES

Made of ABS material, enclose the system, with protective and sound-proofing function.

## 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

see more about e.sybox
**www.dabpumps.com/e.sybox**

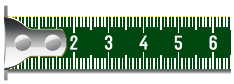


# e.sybox

With e.sybox the accessories become real functional components, ergonomic extensions of the product.

e.sydock, e.sytwin and e.sywall were developed to provide a new experience in the installation and use.

**293L x 345P x 679H***




*with e.sybox installed

# e.sydock

e.sydock, thanks to the 4 plumbing configuration possibilities offers an 'installation even more rapid, easy and flexible.

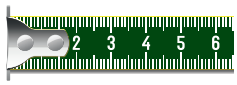
e.sydock is complete with all the interfaces required for connecting to the system.

Also the maintenance has never been so simple thanks to the rapid disconnect function.

e.sydock incorporates anti vibration feet to ensure the same quietness as e.sybox.

**1" ¼ SUCTION AND DELIVERY FITTINGS**

**293L x 318P x 180H***




*e.sydock

# e.sywall

Kit complete with brackets, screws, dowels and two accessories for absorption of vibrations.

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# ERGONOMIC EVOLUTION

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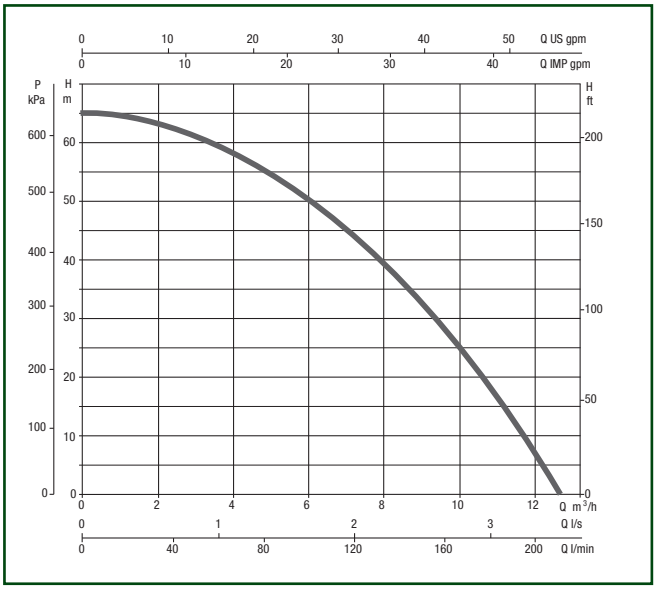
752L x 358P x 230H*

1" ¼ SUCTION AND DELIVERY FITTINGS

* e.sytwin

752L x 358P x 730H*

*with e.sybox installed




## e.sytwin

e.sytwin is the evolution of e.sydock, of which maintains all the benefits, for the creation of two groups of pumps.

### A BETTER, LONGER LIFE

e.sytwin ensures constant water supply to housing thanks to the BACKUP function.

The new software algorithms constantly analyze the operation of the system, thus optimizing the alternating use of the two units.

### MORE POWER, LESS SPACE

e.sytwin offers exceptional performance thanks to possibility of combined operation with a reduced size of 50% compared to any other equivalent traditional system.

### EVERYTHING YOU NEED

the wireless interface handles the communication between the two unit, e.sydock ensures the hydraulic connection and it is thanks to this technology that e.sytwin does not need any other additional components for its installation and operation.

Functionality of the group viewable on every single display.

see more about e.sybox
**www.dabpumps.com/e.sybox**

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