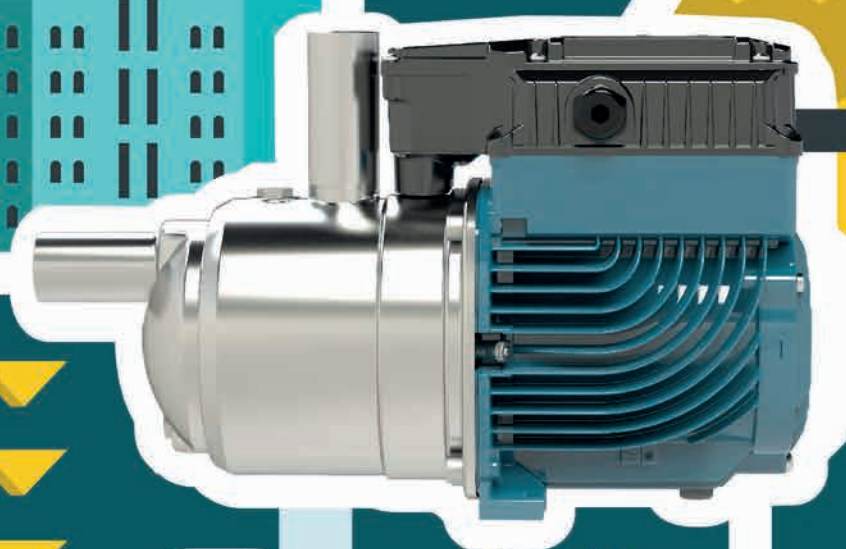


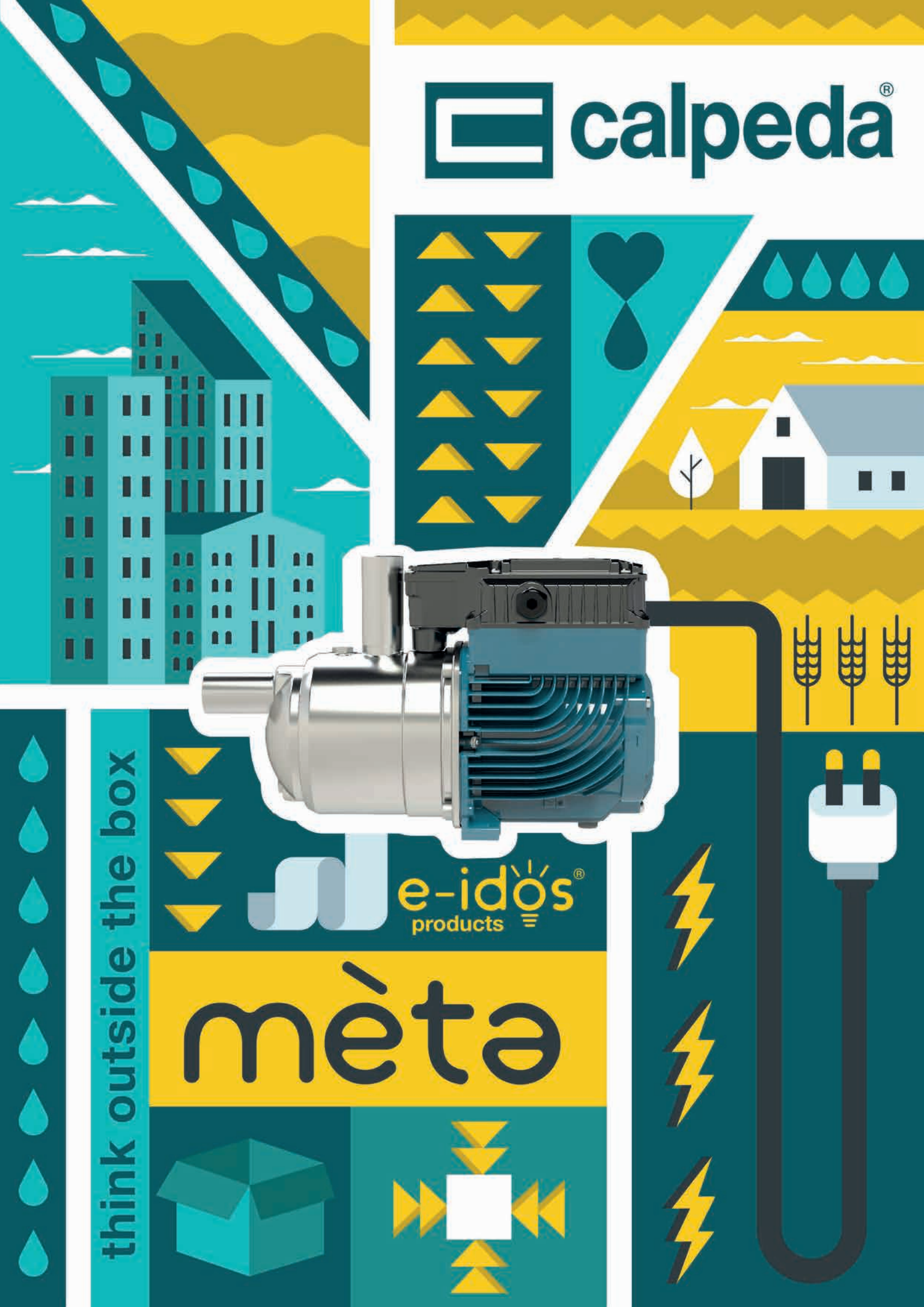
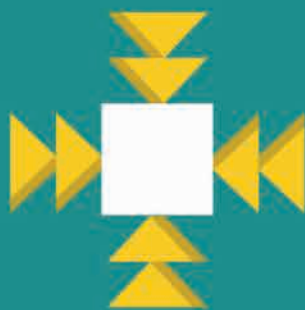
 calpeda®







think outside the box

 e-idos®  
products

méta



# SELECTION TABLE

	<b>Mèta Small</b>
	<b>BSM2V 2 Mèta Small</b>
	<b>Mèta</b>
	<b>BSM2V 2 Mèta</b>

Pag.

**MAX. NUMBER OF FLOORS**  
▼

Small flat with one bathroom  
**6** 

4

1  
2  
3

2  
2  
2

12

1  
2  
3  
up to 6

9  
8  
7  
6

18

1  
2  
3  
up to 6

9  
8  
7  
6

26

1  
up to 3  
4  
5  
6  
up to 8

16  
16  
15  
14  
12  
11

# TECHNICAL DATA

- OPERATIONAL RANGE
- TYPE OF LIQUID
- LIQUID TEMPERATURE RANGE
- FACTORY SET POINT
- MAX. AMBIENT TEMPERATURE
- MAX. OPERATING PRESSURE
- IP PROTECTION
- INSULATION CLASS

The table is valid as an indication.  
For a proper sizing of the product it is necessary an assessment of the actual installation.

## DOMESTIC / CIVIL PRESSURE SYSTEM

## IRRIGATION SYSTEM

Medium flat with two bathrooms  10	Large house with two bathrooms and garden  15
---	---

SPRINKLER 4M RADIUS Flow 6 l/min Pressure: 2,4 bar	SPRINKLER 14M RADIUS Flow 20 l/min Pressure: 3,4 bar
---	---

### Max. flat number

### Max. sprinkler number

2	1
2	1
1	1
5	4
5	4
5	4
3	/
5	4
5	4
5	4
3	/
10	6
10	6
9	5
8	5
7	5
6	/

8	/
16	4
16	4
/	7

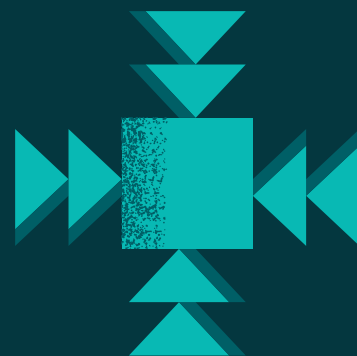
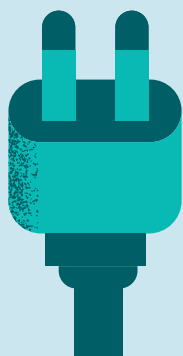
### Mèta Small

### Mèta

flow up to 80 l/min; head up to 55m	flow up to 140 l/min; head up to 55m
clean water (no solids)	
from 0°C to +35°C	from 0°C to +35°C
3.5 Bar	3.5 Bar
+40°C	+40°C
8 bar (800kPa)	8 bar (800kPa)
IPX4	IPX4
F	F

# mèta

## small



**Plug and Play  
Solution**

**Energy  
Efficiency**

**Compact  
Design**



# Fan less more fun

Self priming booster set  
easy to install and **plug and play**

Equipped with a **built-in frequency converter**  
a pressure sensor on the discharge side,  
a built-in pressure vessel in the pump casing  
and a non-return valve on the suction side

**Mèta small is equipped with an  
asynchronous motor without ventilation**

**Energy Efficiency Index**

**EEI 0.42**

**variable speed**

# application



**domestic  
booster set**

**irrigation  
system**



**residential  
booster set**

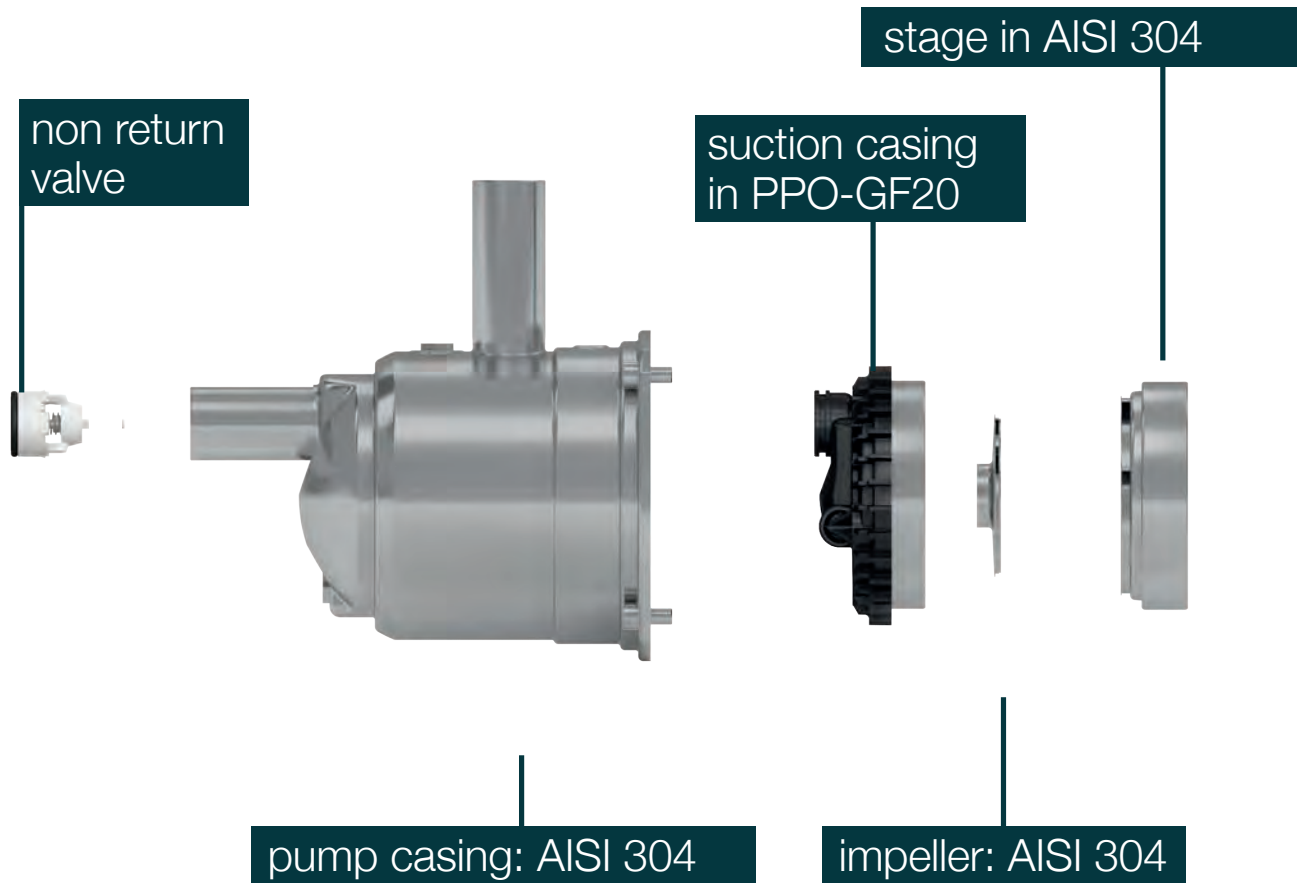


# features

- fanless design
- built-in frequency converter
- built-in pressure vessel
- constant pressure
- high efficiency asynchronous motor
- motor power control
- no hydraulic losses due to measuring devices
- voltage and current control
- monitoring of the maximum starting current

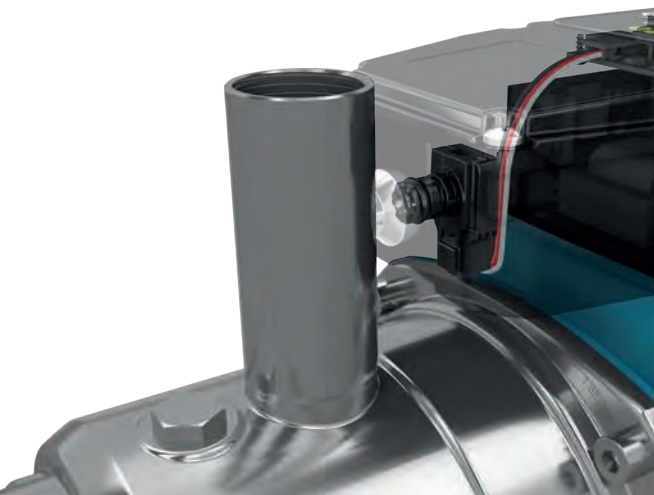
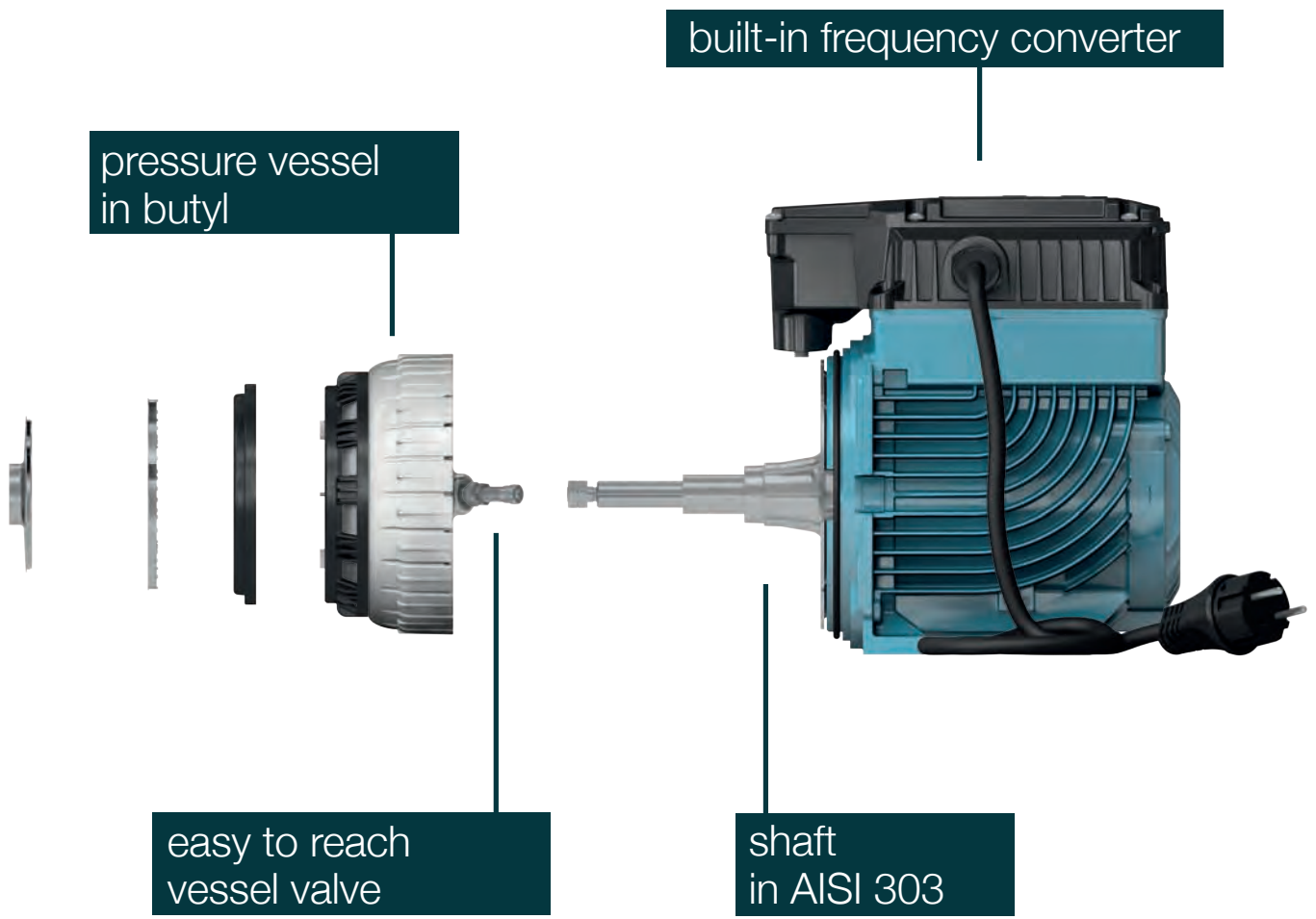


# easy to inspect and maintain



**non return valve on the suction side**

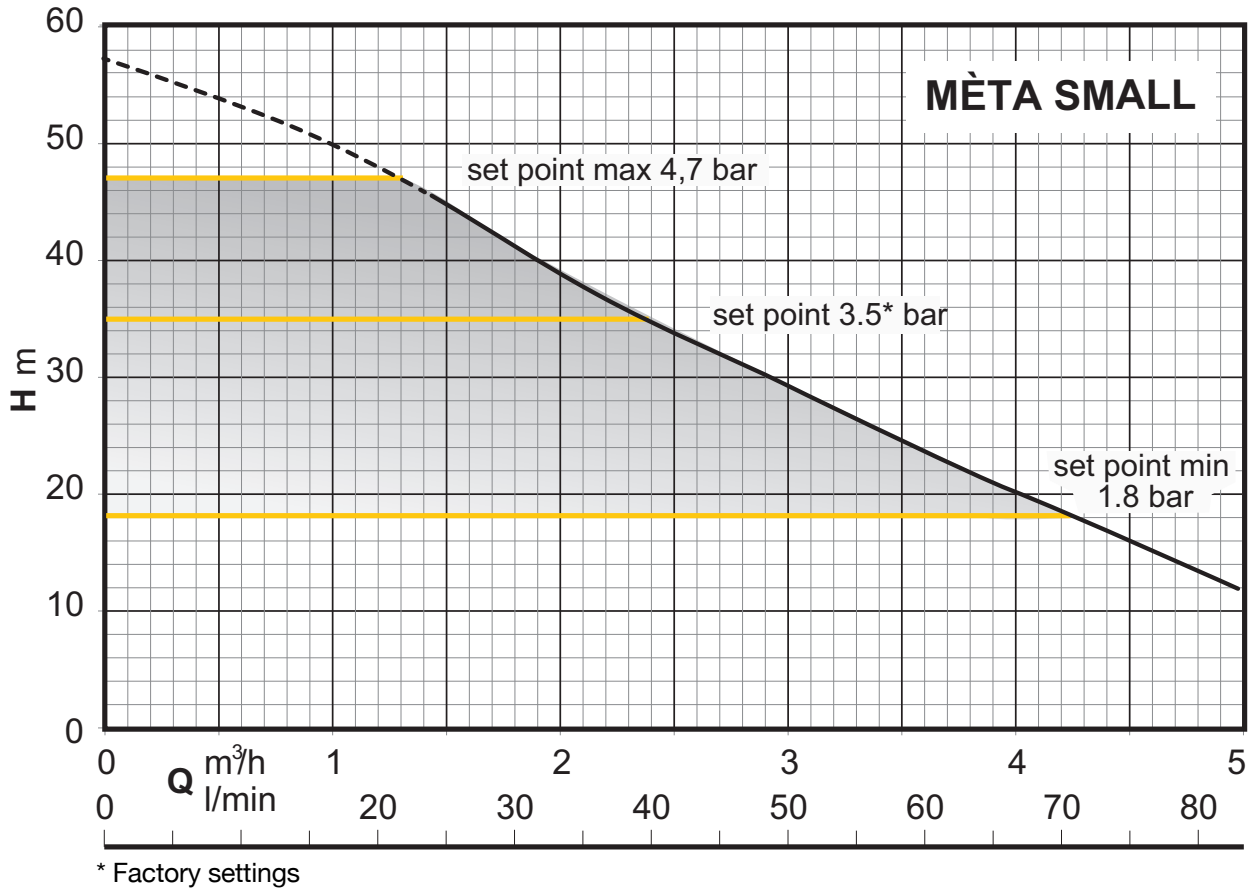




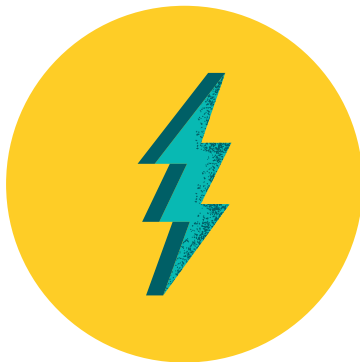
**built-in frequency converter**

- constant pressure
- variable speed
- energy efficiency

# protections



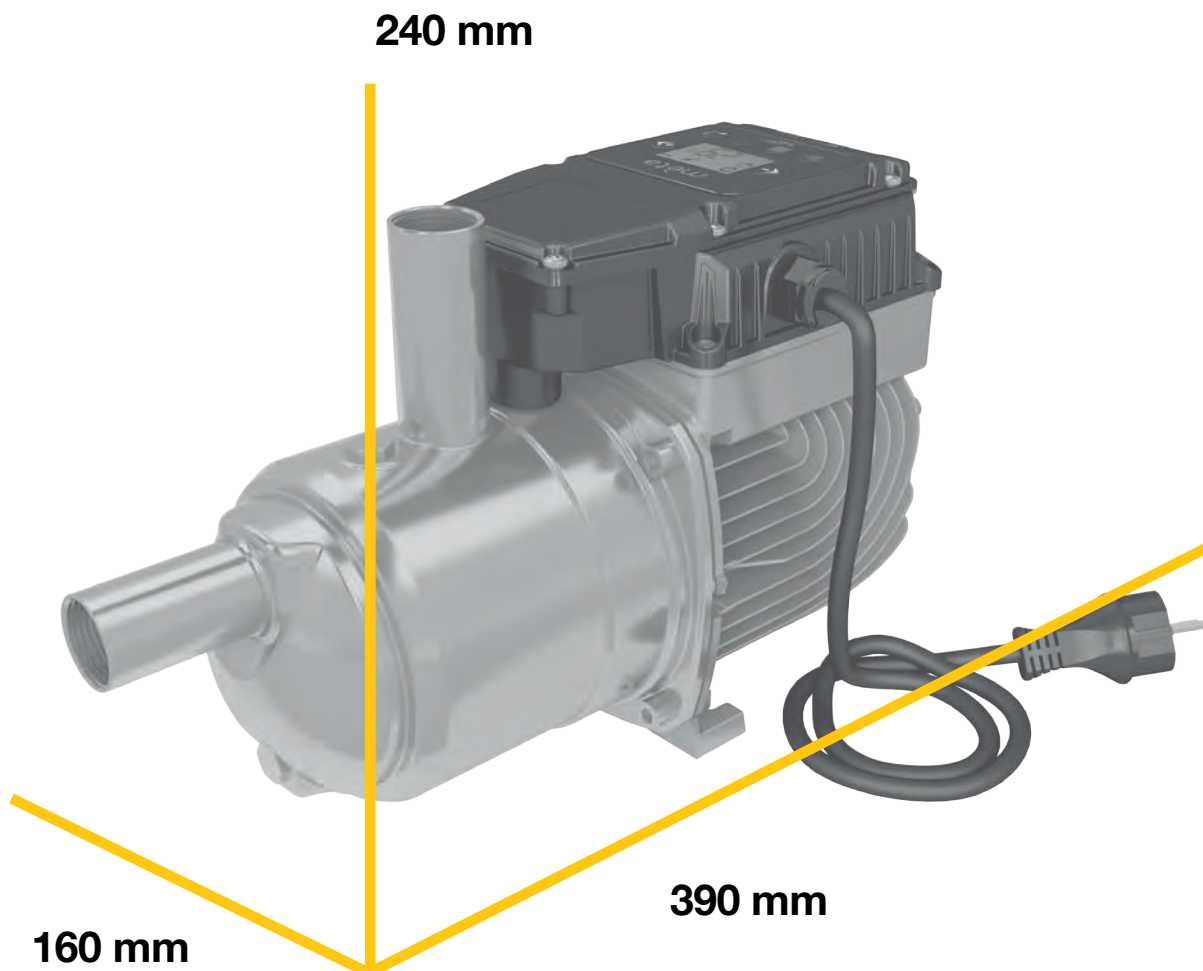
## Energy saving



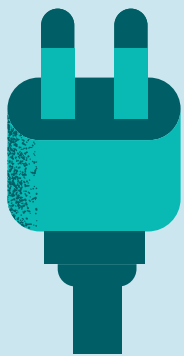
**450Wh**

**Up to 450Wh  
compared to a traditional solution**

# dimensions



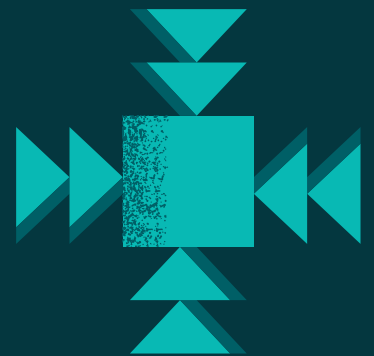
**the most compact**



**Plug and Play  
Solution**



**Energy  
Efficiency**



**Compact  
Design**



# twice outside the box

## 2 pumps meta booster set

Thanks to a **patented software** the booster set guarantees the changeover of the 2 pumps without any connections

**Energy Efficiency Index**

**EEI 0.34**

**variable speed**

# application



**domestic  
booster set**

**irrigation  
system**



**residential  
booster set**

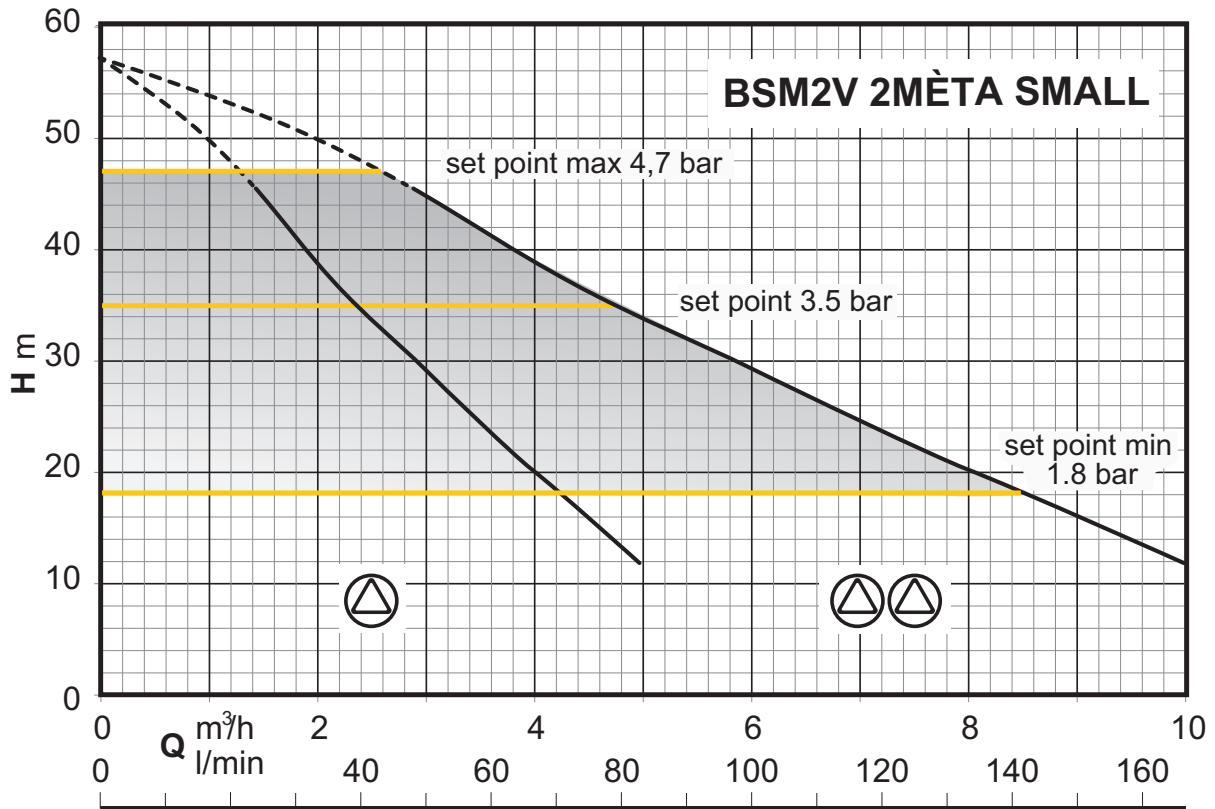


# features

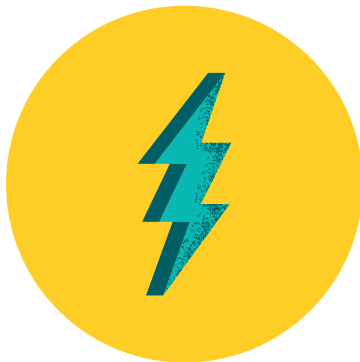
- compact construction
- pumps changeover
- constant pressure
- high efficiency asynchronous motor
- motor power control
- no hydraulic losses due to measuring devices
- voltage and current control
- monitoring of the maximum starting current



# performance



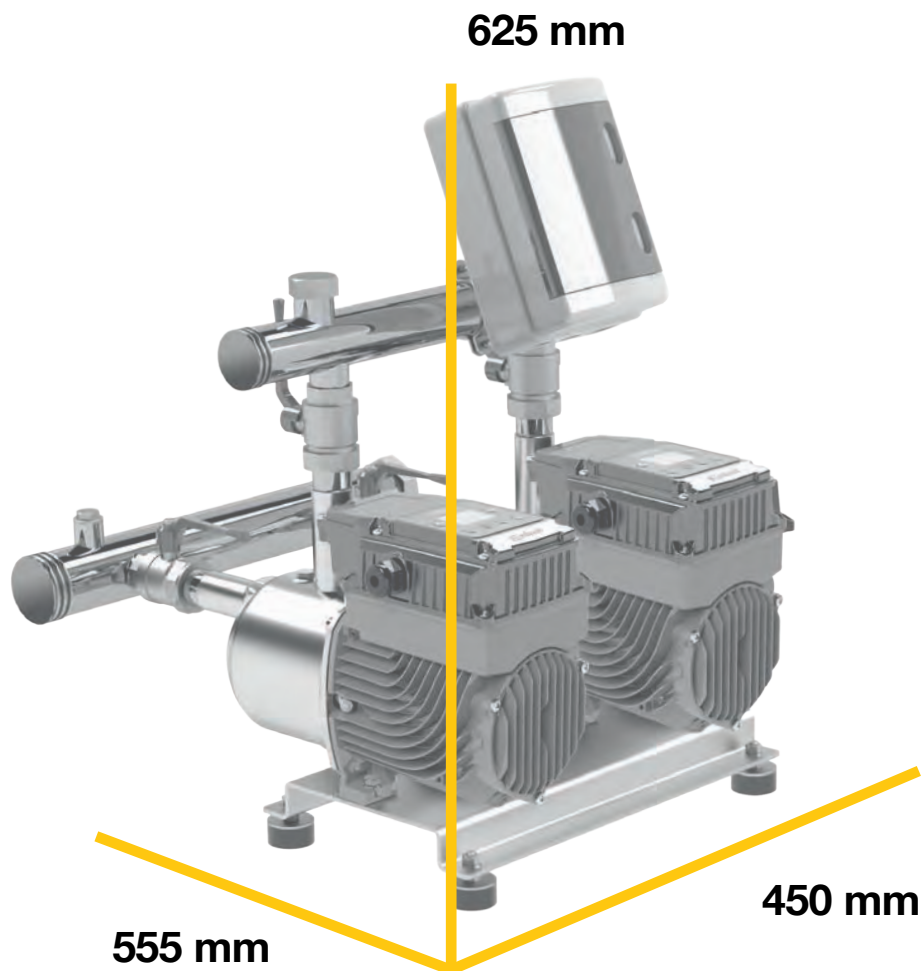
## Energy saving



**520Wh**

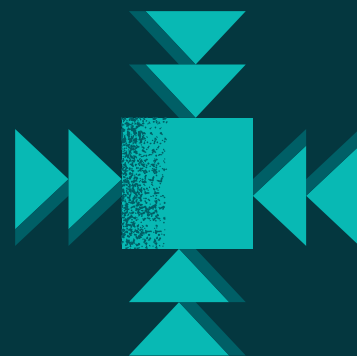
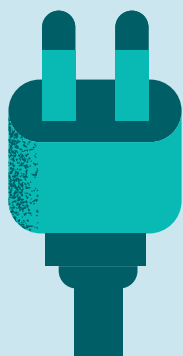
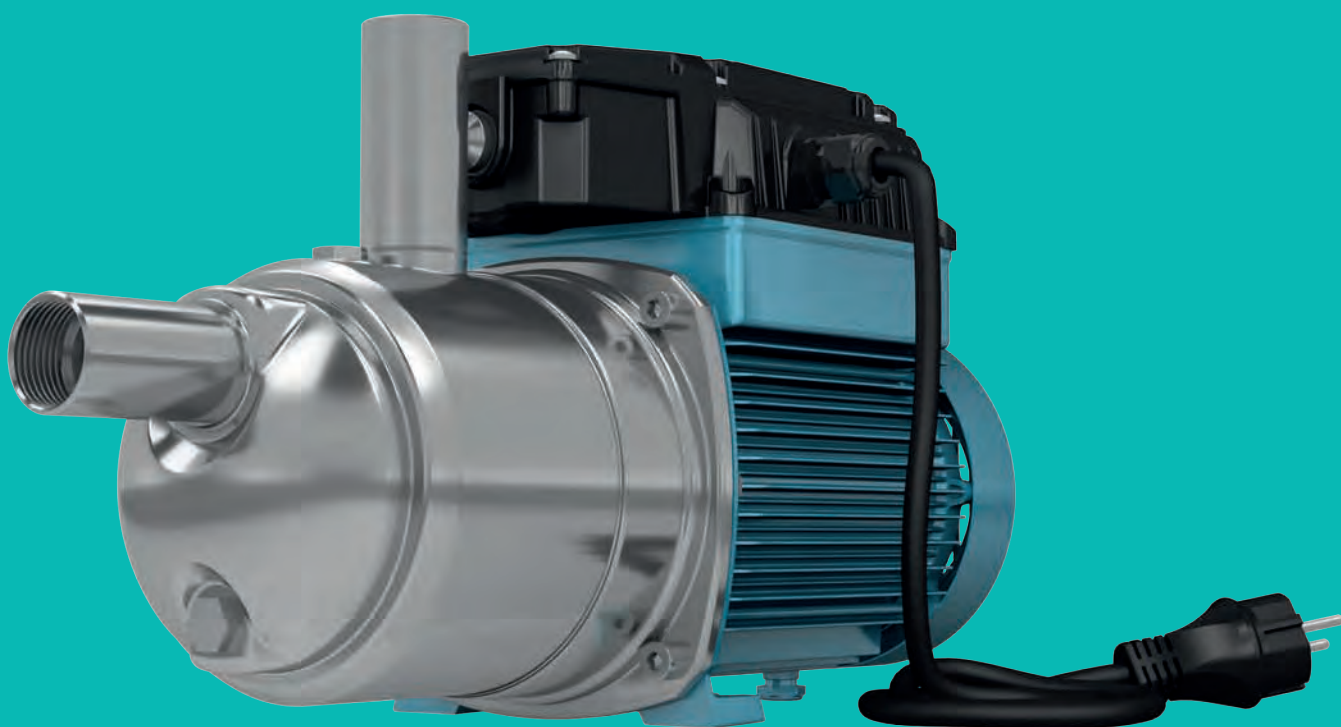
**Up to 520Wh  
compared to a traditional solution**

# dimensions



**2 mèta small  
booster set**

# méta



**Plug and Play  
Solution**

**Energy  
Efficiency**

**Compact  
Design**



# think outside the box

Self priming booster set  
easy to install and **plug and play**

Equipped with a **built-in frequency converter**  
a pressure sensor on the discharge side,  
a built in pressure vessel in the pump casing  
and a non return valve on the suction side

**Energy Efficiency Index**

**EEI 0.55**

**variable speed**

# application

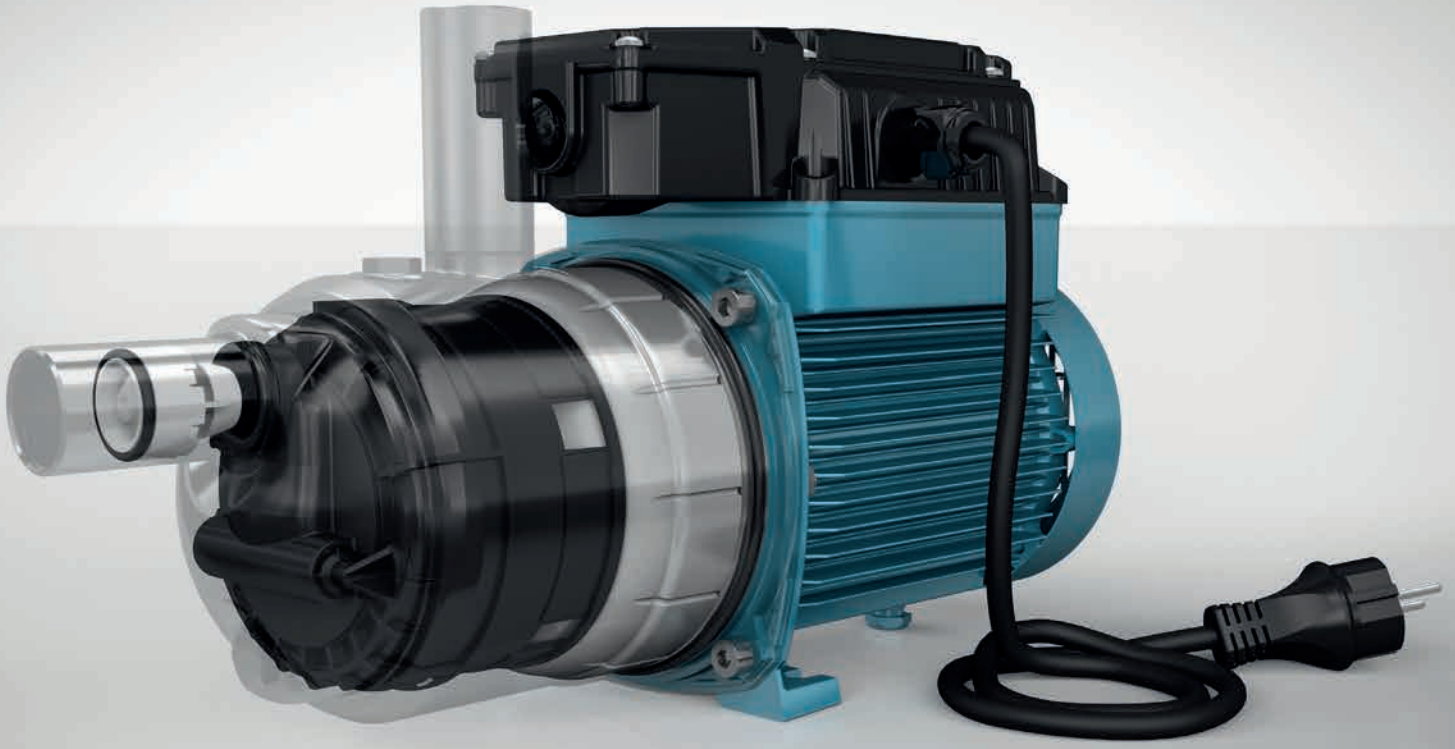


**domestic  
booster set**

**irrigation  
system**



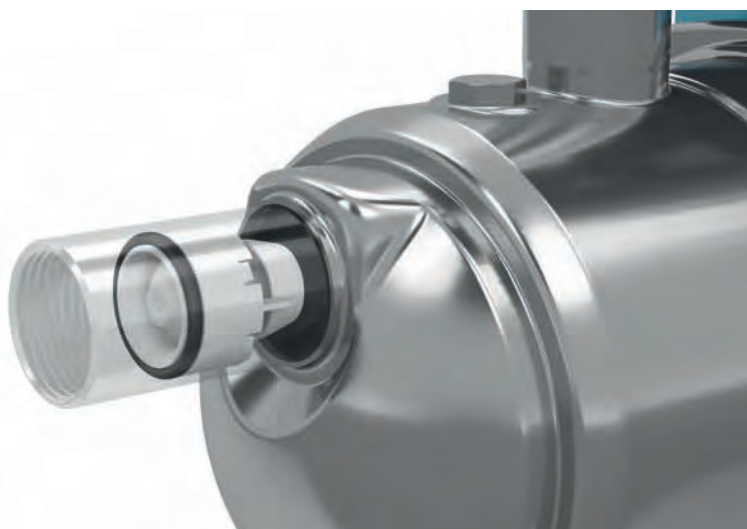
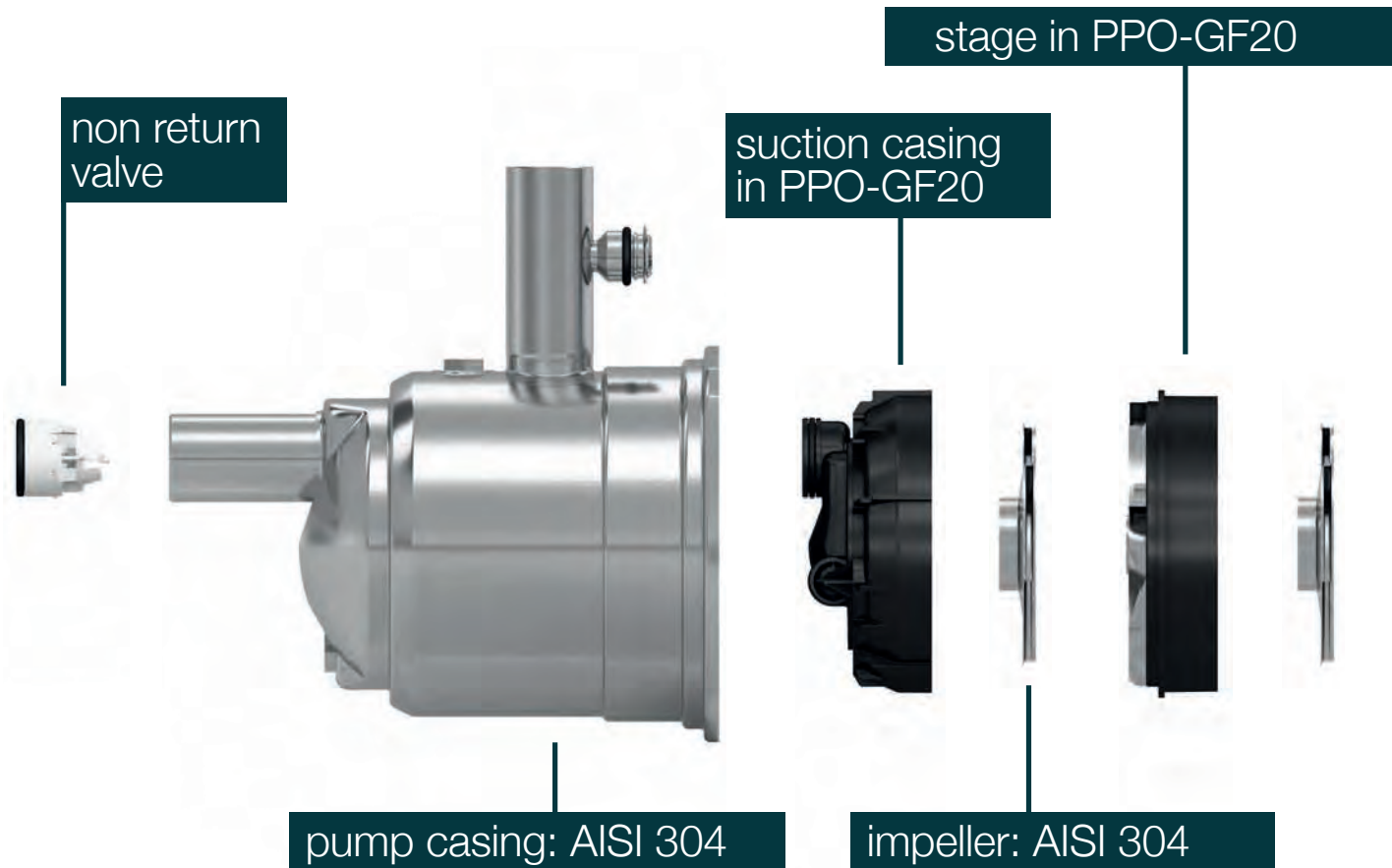
**residential  
booster set**



# features

- built-in frequency converter
- built-in pressure vessel
- constant pressure
- high efficiency asynchronous motor
- motor power control
- no hydraulic losses due to measuring devices
- voltage and current control
- monitoring of the maximum starting current

# easy to inspect and maintain



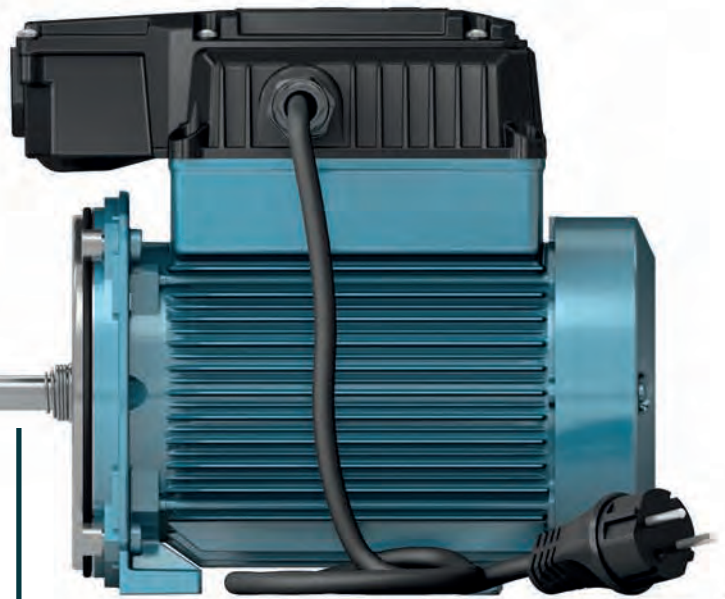
**non return  
valve on the  
suction side**





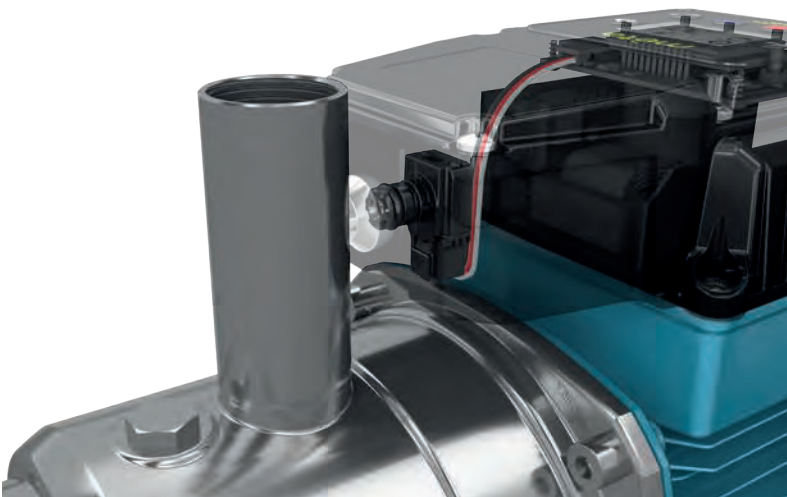
built-in frequency converter

pressure vessel  
in butyl



easy to reach  
vessel valve

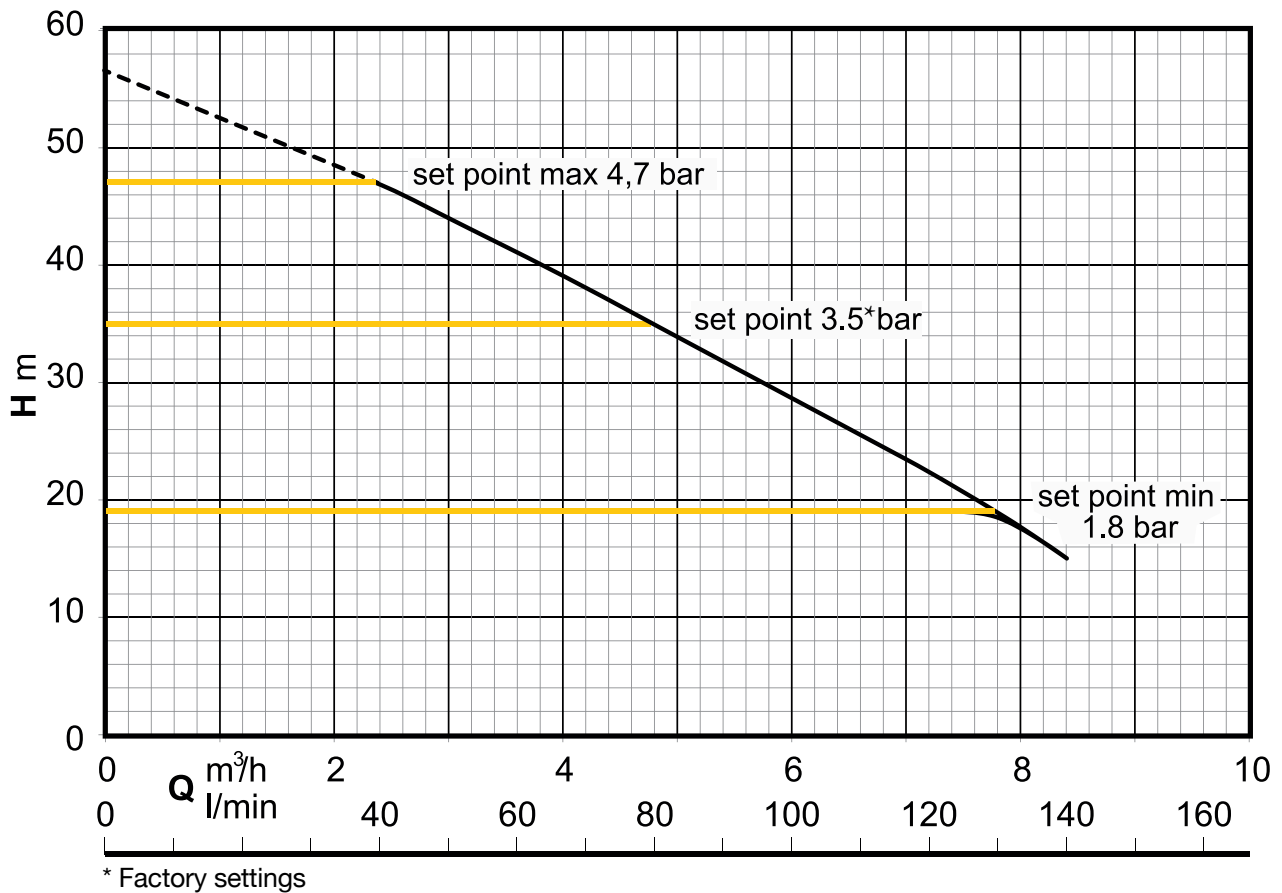
shaft  
in AISI 303



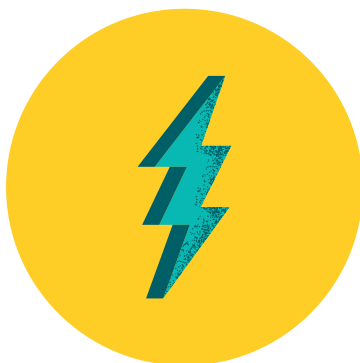
**built-in frequency converter**

- constant pressure
- variable speed
- energy efficiency

# performance



## Energy saving

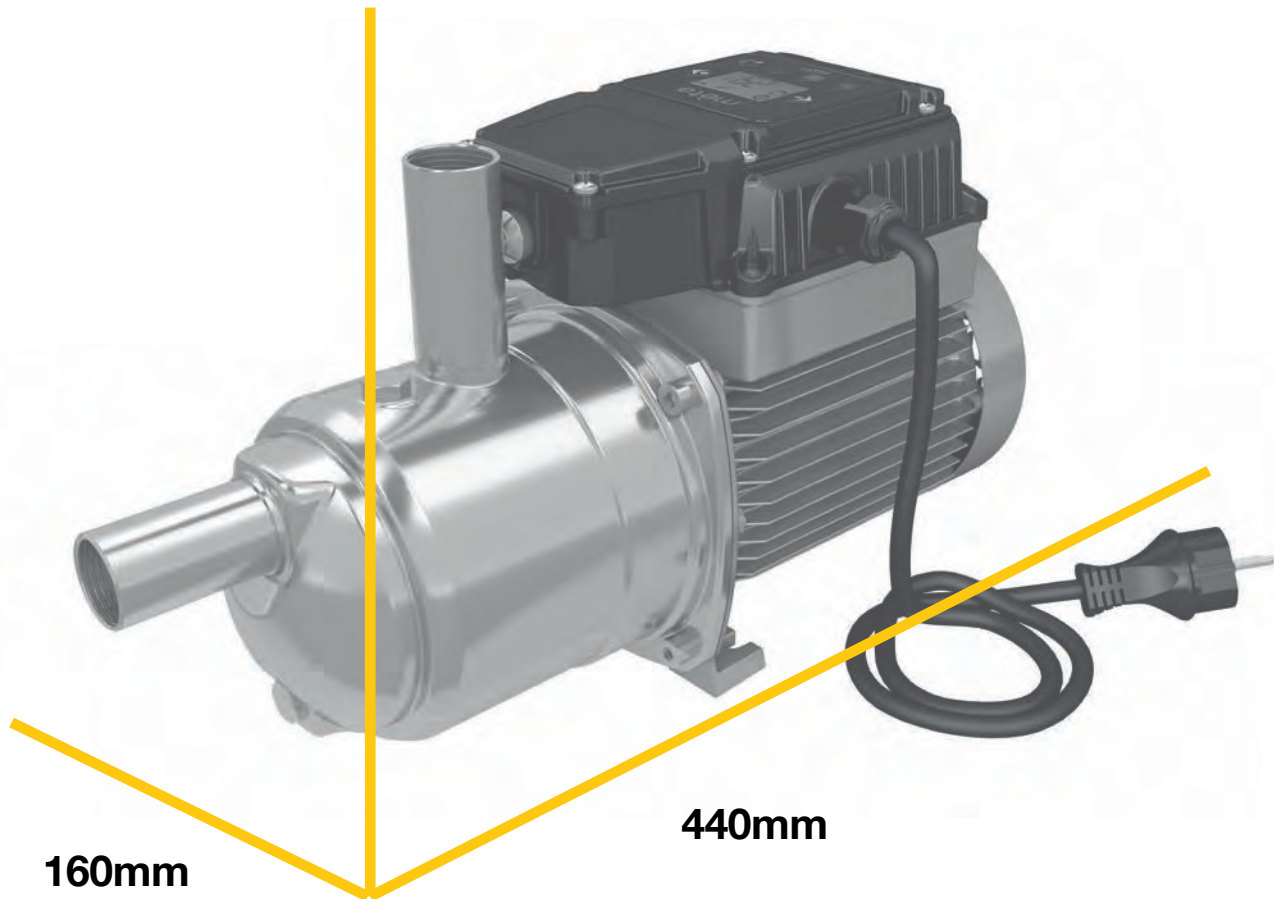


**300Wh**

**Up to 300Wh  
compared to a traditional solution**

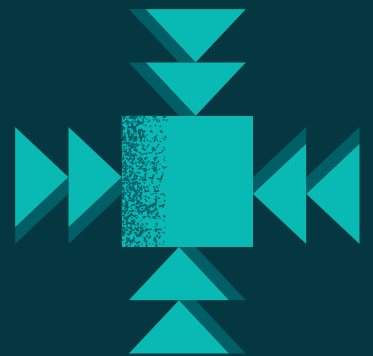
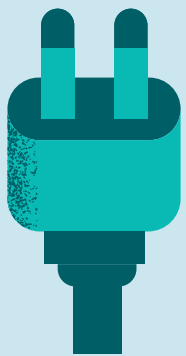
# dimensions

240mm



160mm

440mm



**Plug and Play  
Solution**

**Energy  
Efficiency**

**Compact  
Design**



# twice outside the box

## 2 pumps meta booster set

Thanks to a **patented software** the booster set guarantees the changeover of the 2 pumps without any connections

**Energy Efficiency Index**

**EEI 0.46**

**variable speed**

# application



**domestic  
booster set**

**irrigation  
system**



**residential  
booster set**

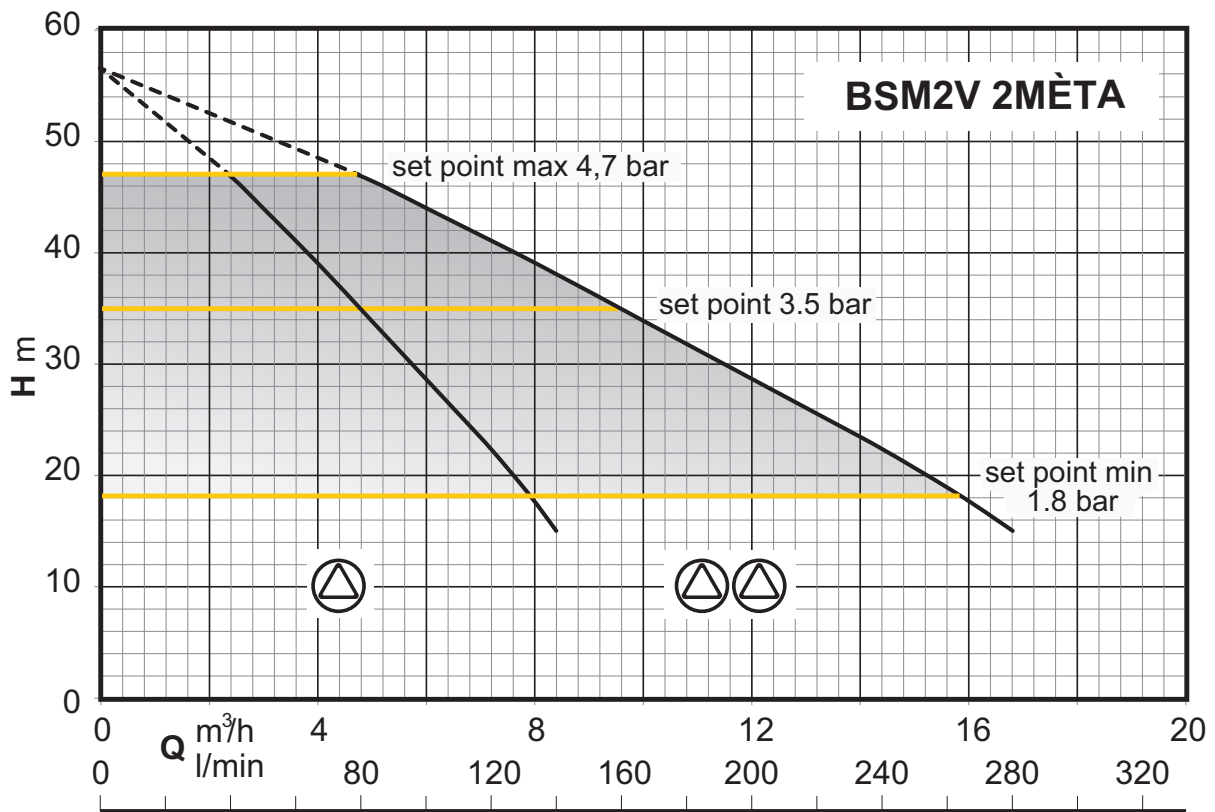


# features

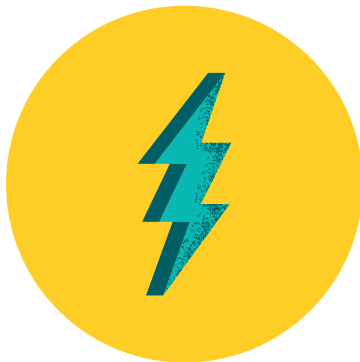
- compact construction
- pumps changeover
- constant pressure
- high efficiency asynchronous motor
- motor power control
- no hydraulic losses due to measuring devices
- voltage and current control
- monitoring of the maximum starting current



# performance



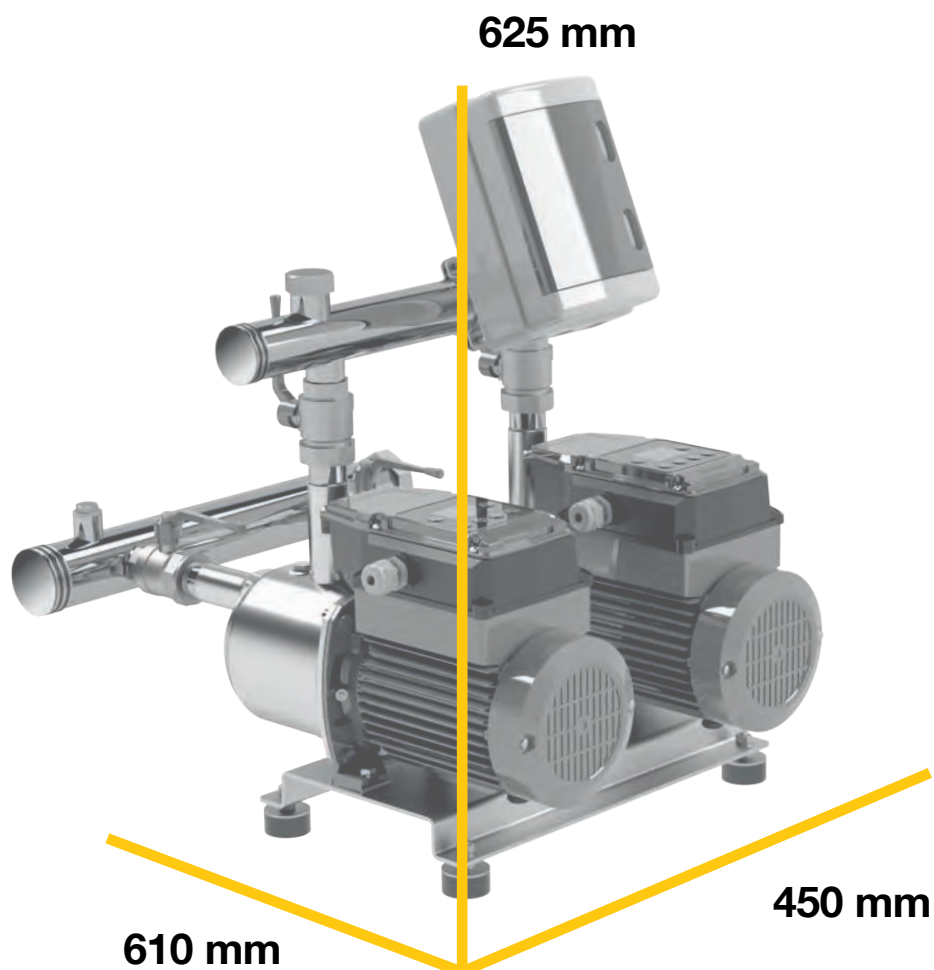
## Energy saving



**400Wh**

**Up to 400Wh  
compared to a traditional solution**

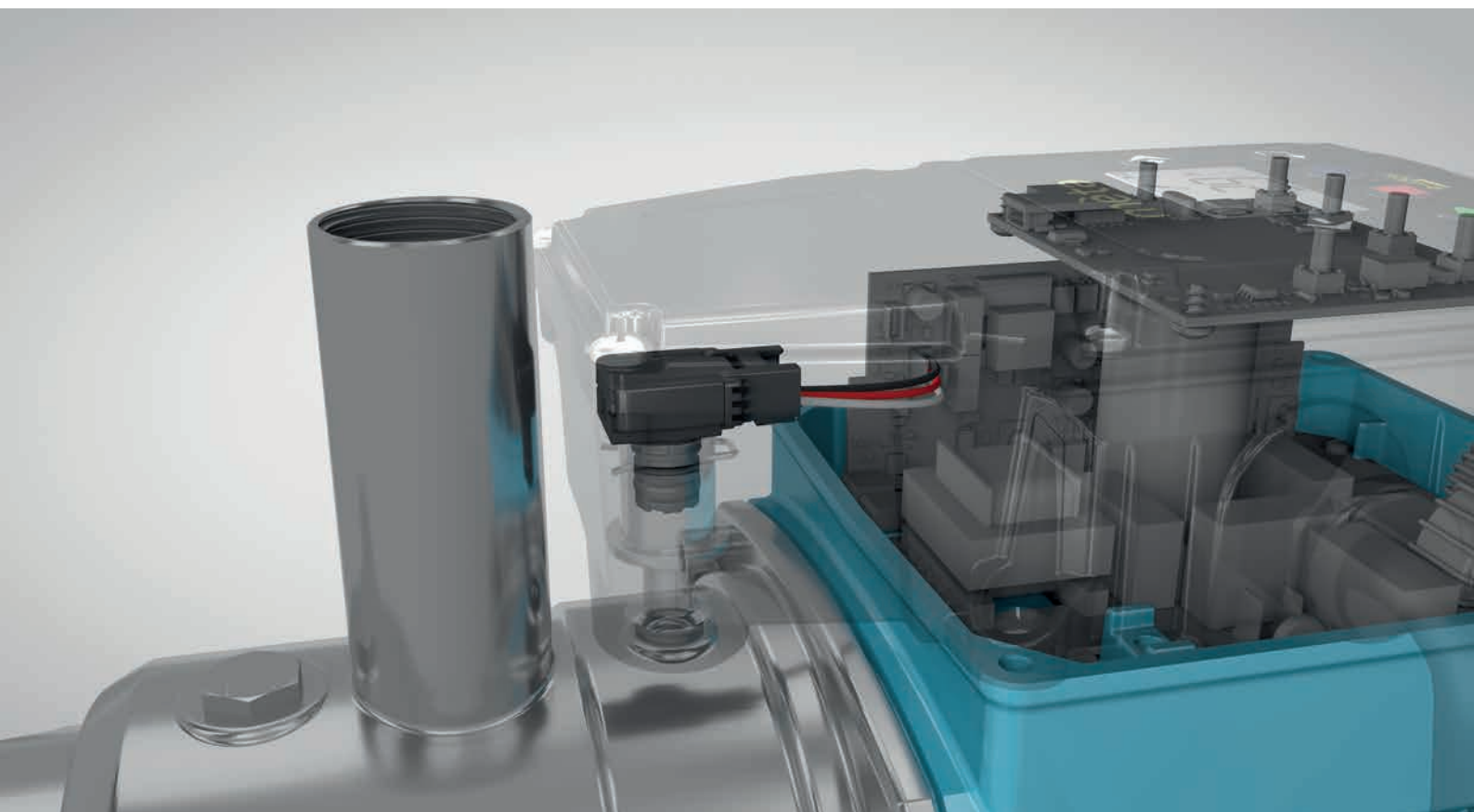
# dimensions



**2 mèta  
booster set**

# protections

- dry-run protection
- presence of air in the pump casing detection
- motor temperature control
- pump blockage control
- overcurrent protection
- power supply control
- small leakages detect
- flow rate control



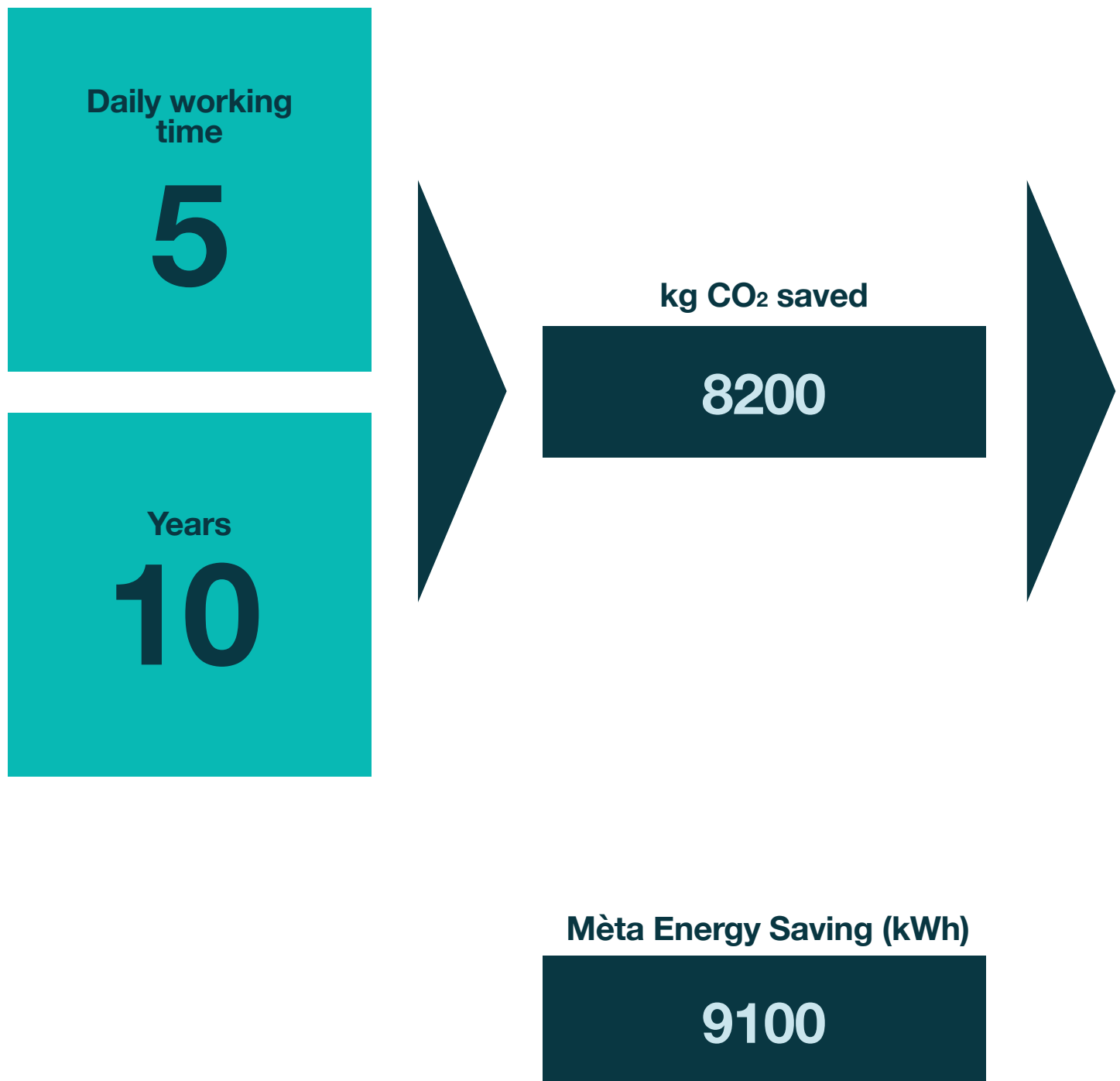
# interface



SIMPLE AND INTUITIVE

it allows to visualize:

- initial screen (rUn, OFF, Stb, Err)
- delivery pressure
- voltage supply
- electrical power input supply
- operating motor frequency
- current consumption control



Calculation based on mèta small

# OUTPUT



Energy cost: 0.2 € / kWh



**water passion**

Calpeda S.p.A.  
Via Roggia di Mezzo, 39  
36050, Montorso Vicentino  
Vicenza (Italy)  
Tel. +39 0444476476  
Web: [www.calpeda.com](http://www.calpeda.com)  
e-mail: [info@calpeda.it](mailto:info@calpeda.it)