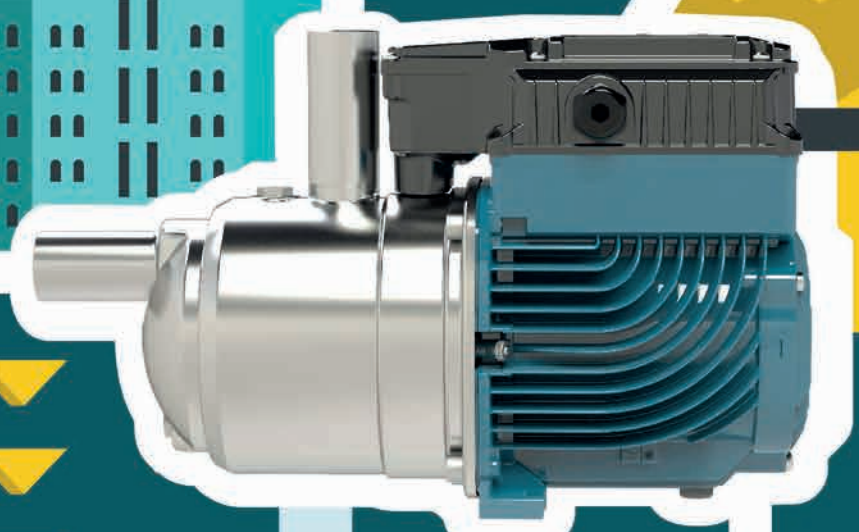
calpeda®



e-idos® products

mèta

think outside the box

SELECTION TABLE

DOMES

	Pag.	MAX. NUMBER OF FLOORS ▼	Small flat with one bathroom 6
 Mèta Small	4	1	2
		2	2
		3	2
 BSM2V 2 Mèta Small	12	1	9
		2	8
		3	7
		up to 6	6
 Mèta	18	1	9
		2	8
		3	7
		up to 6	6
 BSM2V 2 Mèta	26	1	16
		up to 3	16
		4	15
		5	14
		6	12
		up to 8	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.

STIC / 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	8	/
2	1		
1	1		
5	4	16	4
5	4		
5	4		
3	/		
5	4	16	4
5	4		
5	4		
3	/		
10	6	/	7
10	6		
9	5		
8	5		
7	5		
6	/		

	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

e-idos® products

calpeda®

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

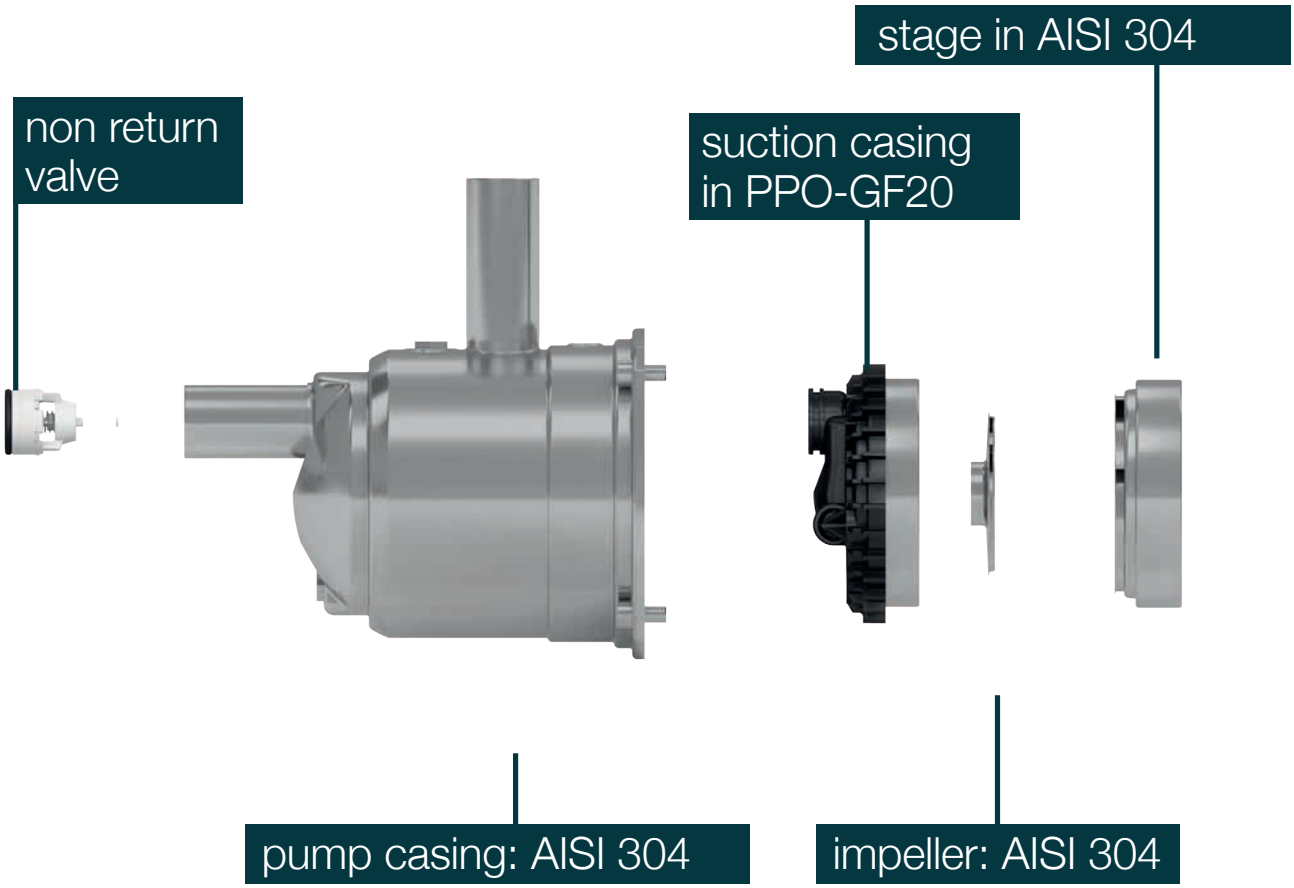
irrigation system

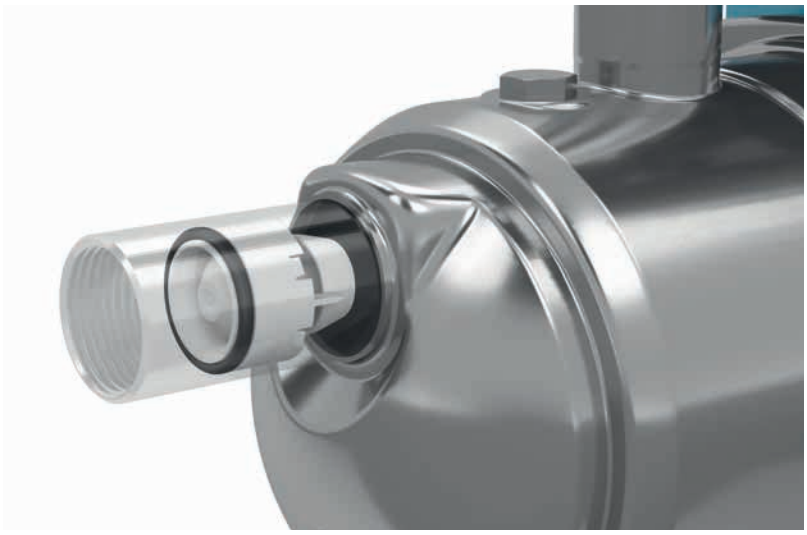
residential booster set

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

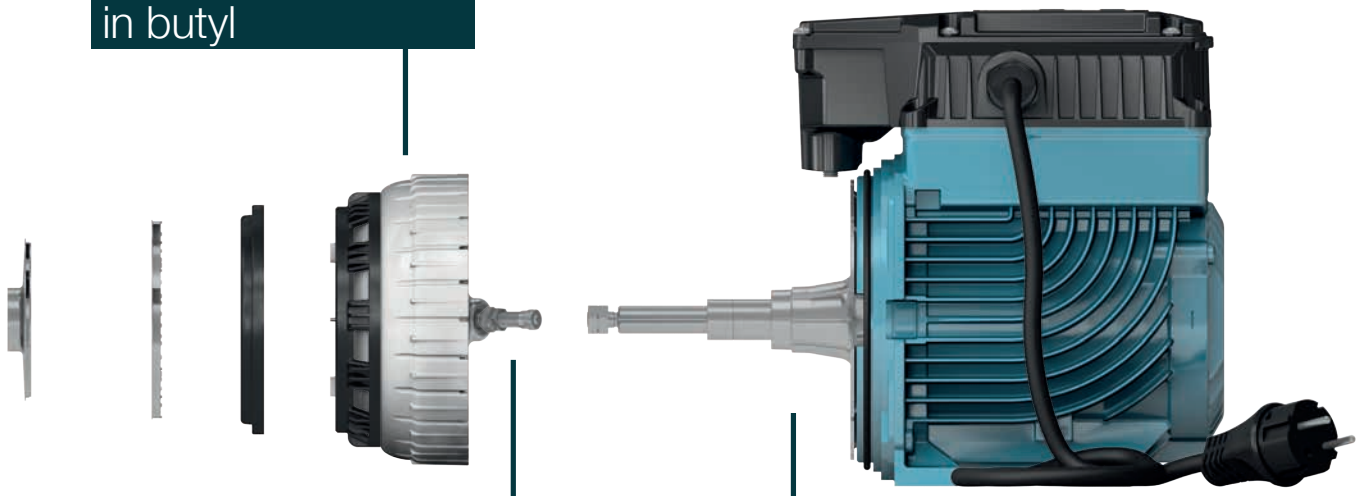




non return valve on the suction side

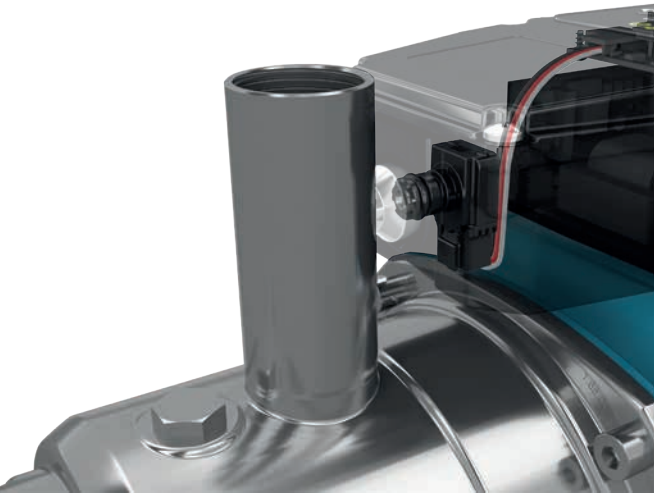
built-in frequency converter

pressure vessel
in butyl



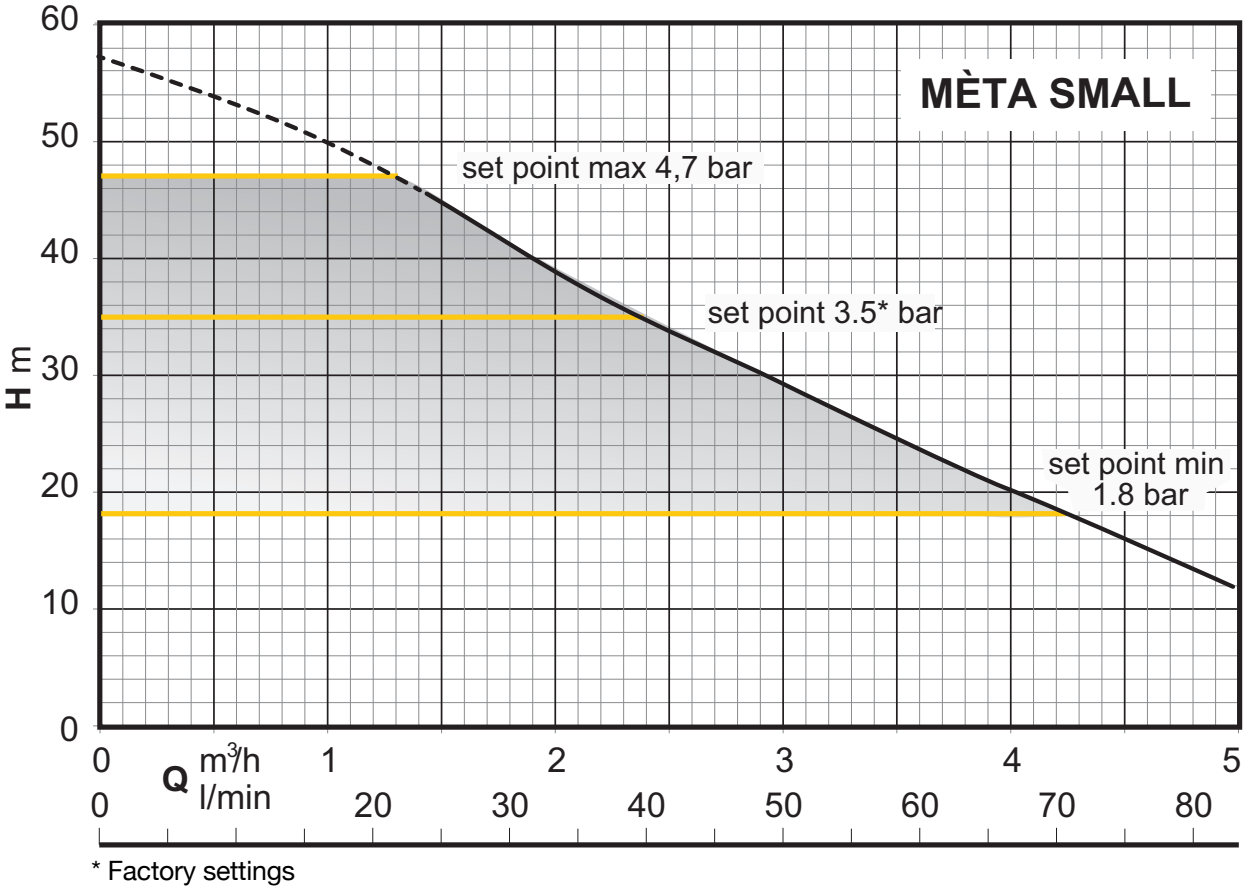
easy to reach
vessel valve

shaft
in AISI 303



built-in frequency converter
- constant pressure
- variable speed
- energy efficiency

protections



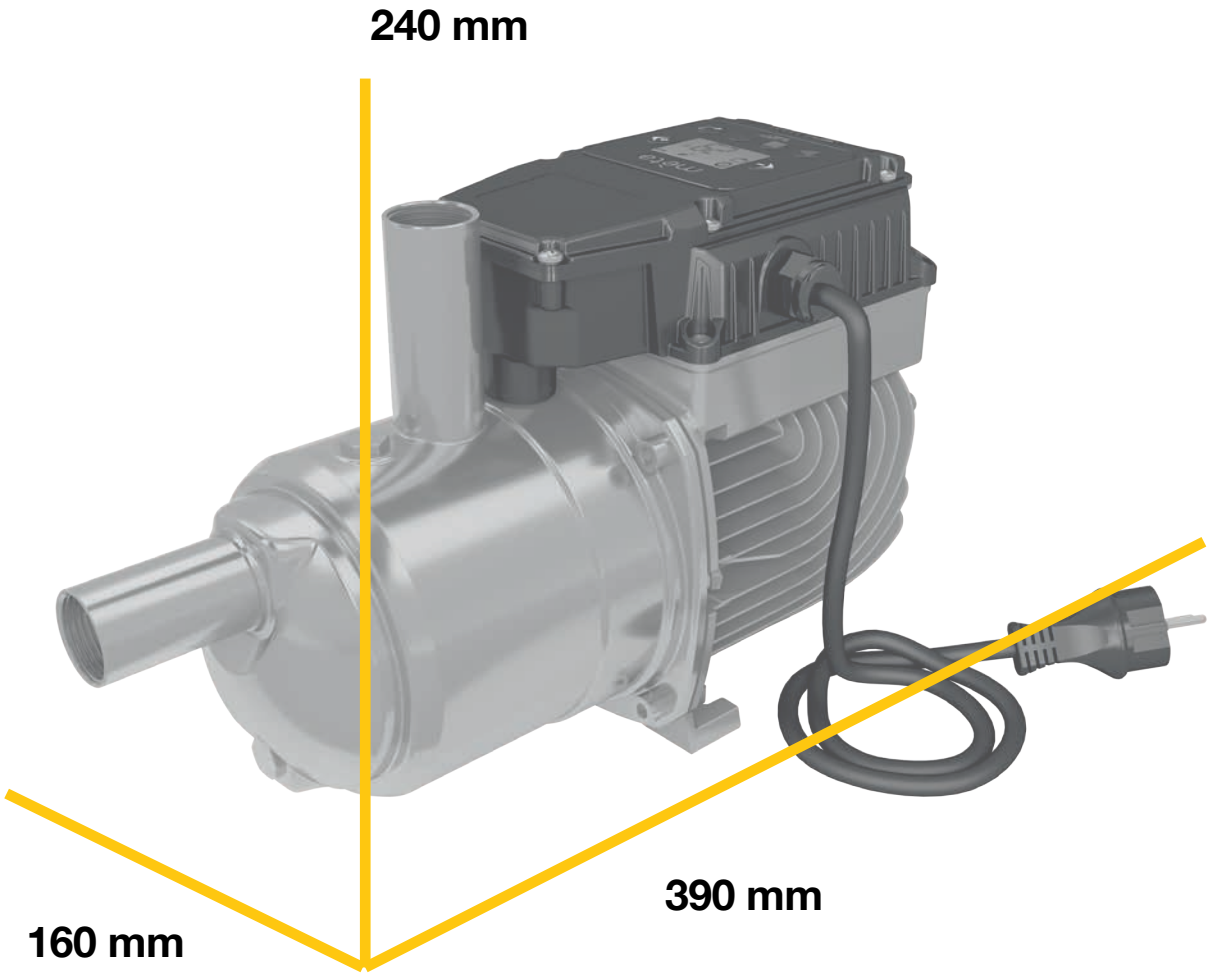
* Factory settings

Energy saving

450Wh

Up to 450Wh
compared to a traditional solution

dimensions



the most compact

e-idos® products

calpeda®

Plug and Play Solution

Energy Efficiency

Compact Design

twice outside the box

2 pumps mèta 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

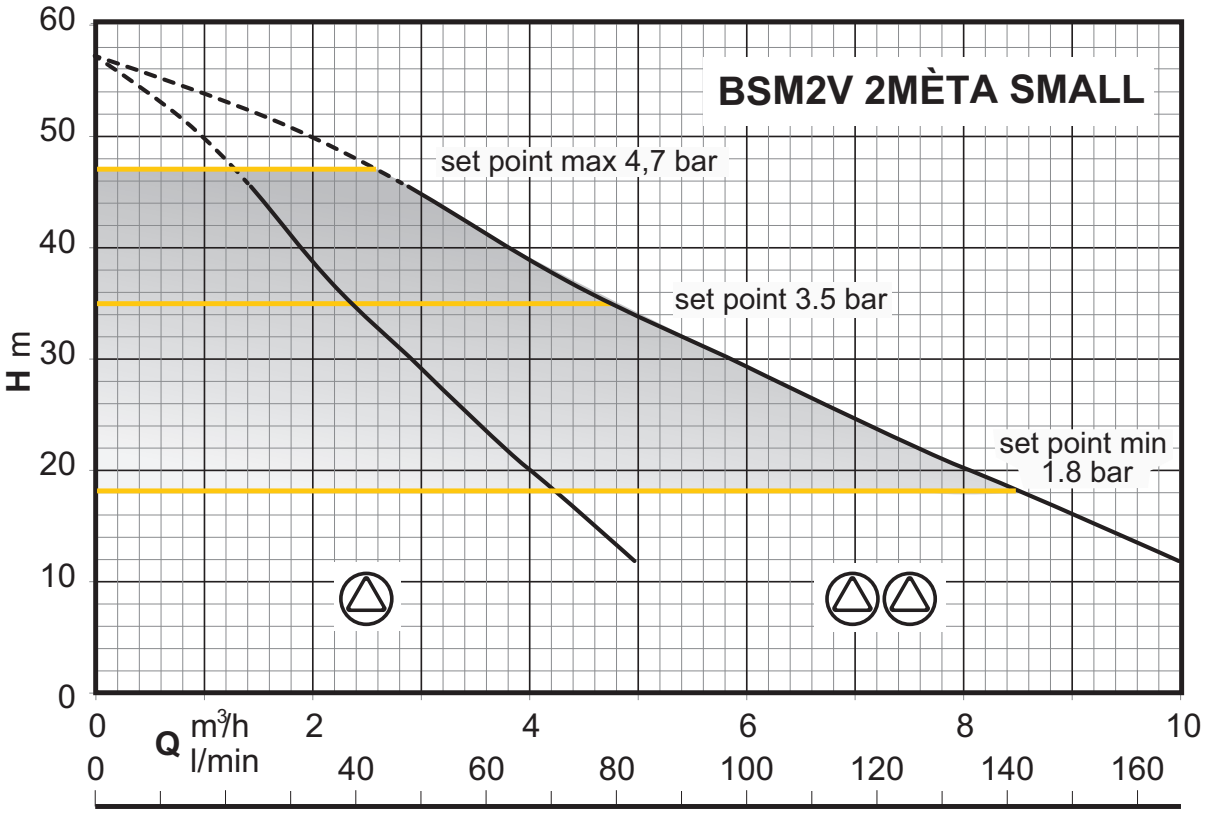
irrigation system

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

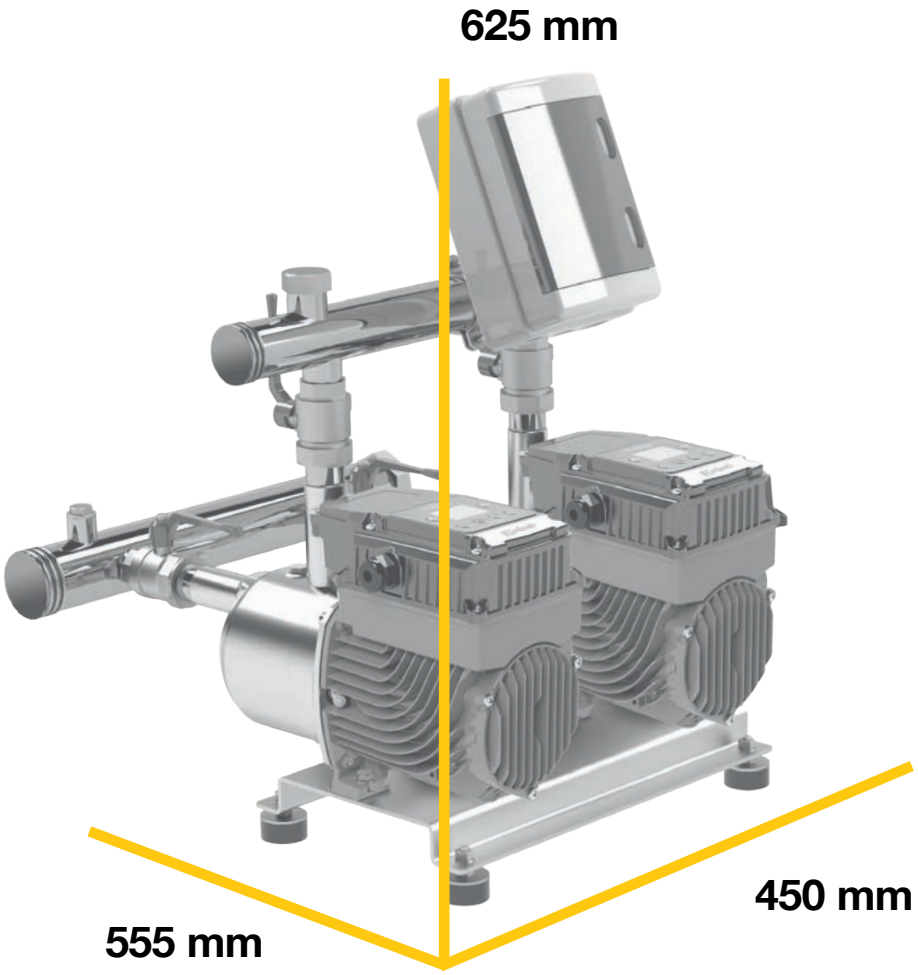


Energy saving

520Wh

Up to 520Wh
compared to a traditional solution

dimensions



2 mèta small booster set

e-idos® products

calpeda®

mèta

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

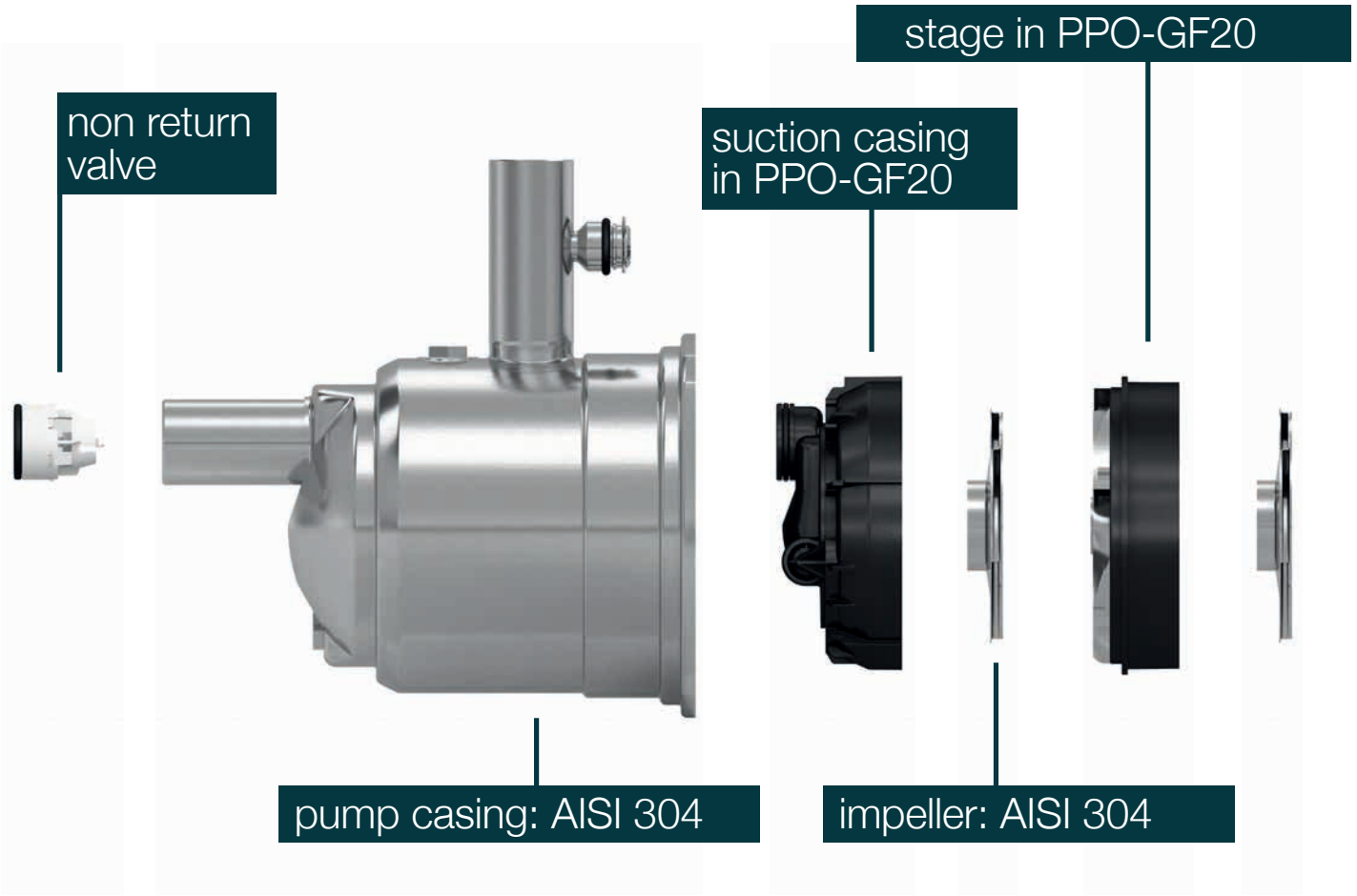
irrigation system

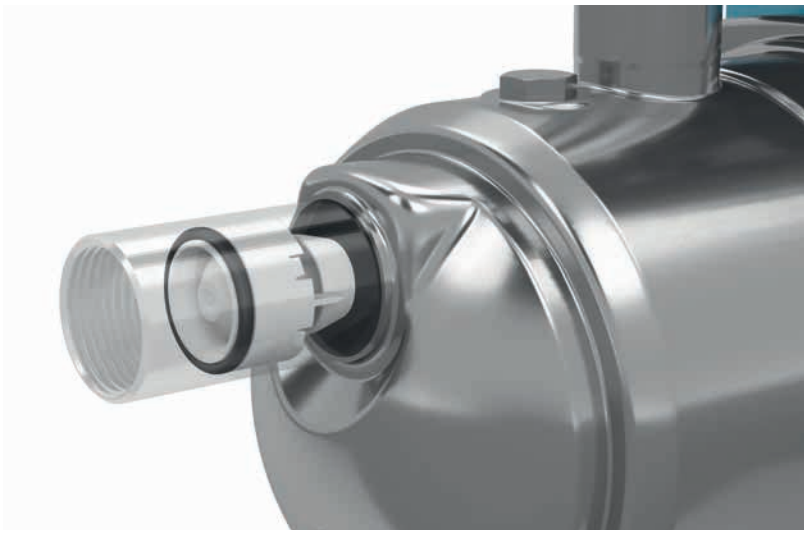
residential booster set

features

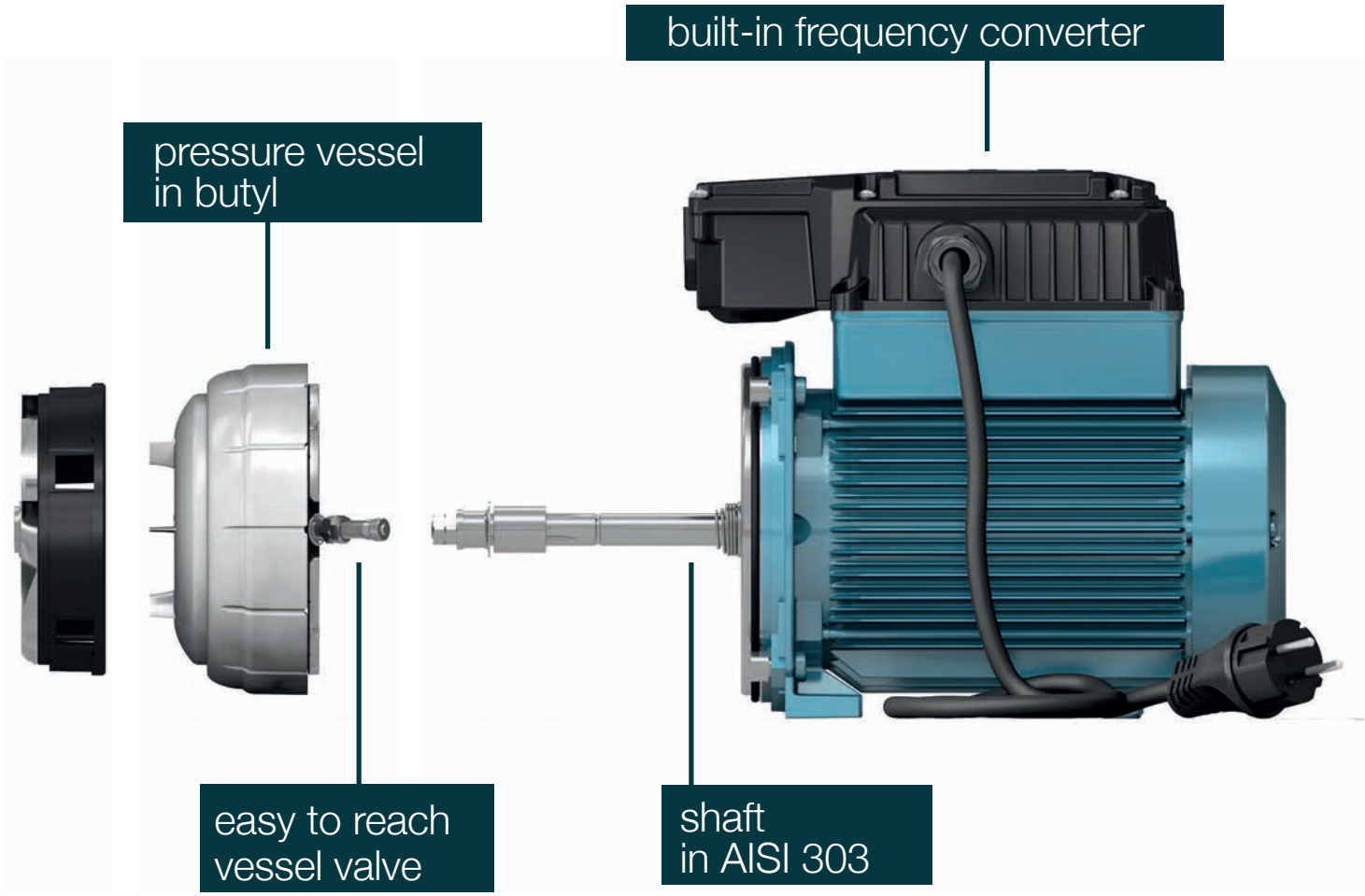
- built-in frequency converter
- built-in pressure vessel
- constant pressure
- high efficiency asynchronous motor
- motor power control
- no hydraulic losses due to measuring devices
- voltage and current control
- monitoring of the maximum starting current

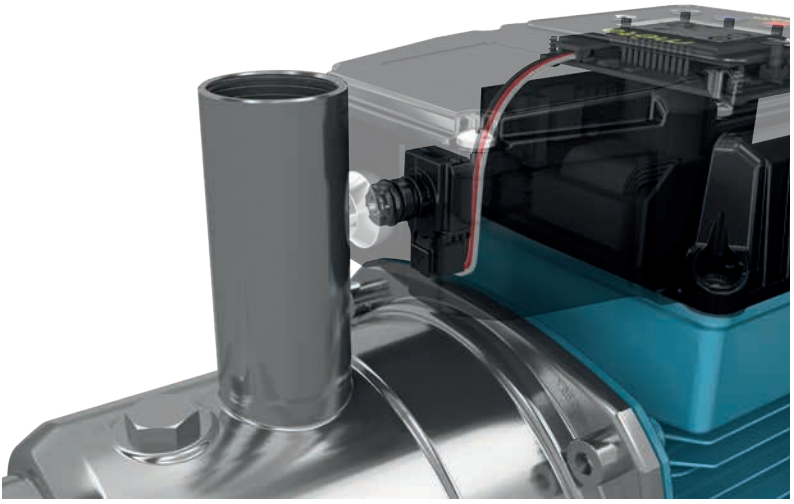
easy to inspect and maintain





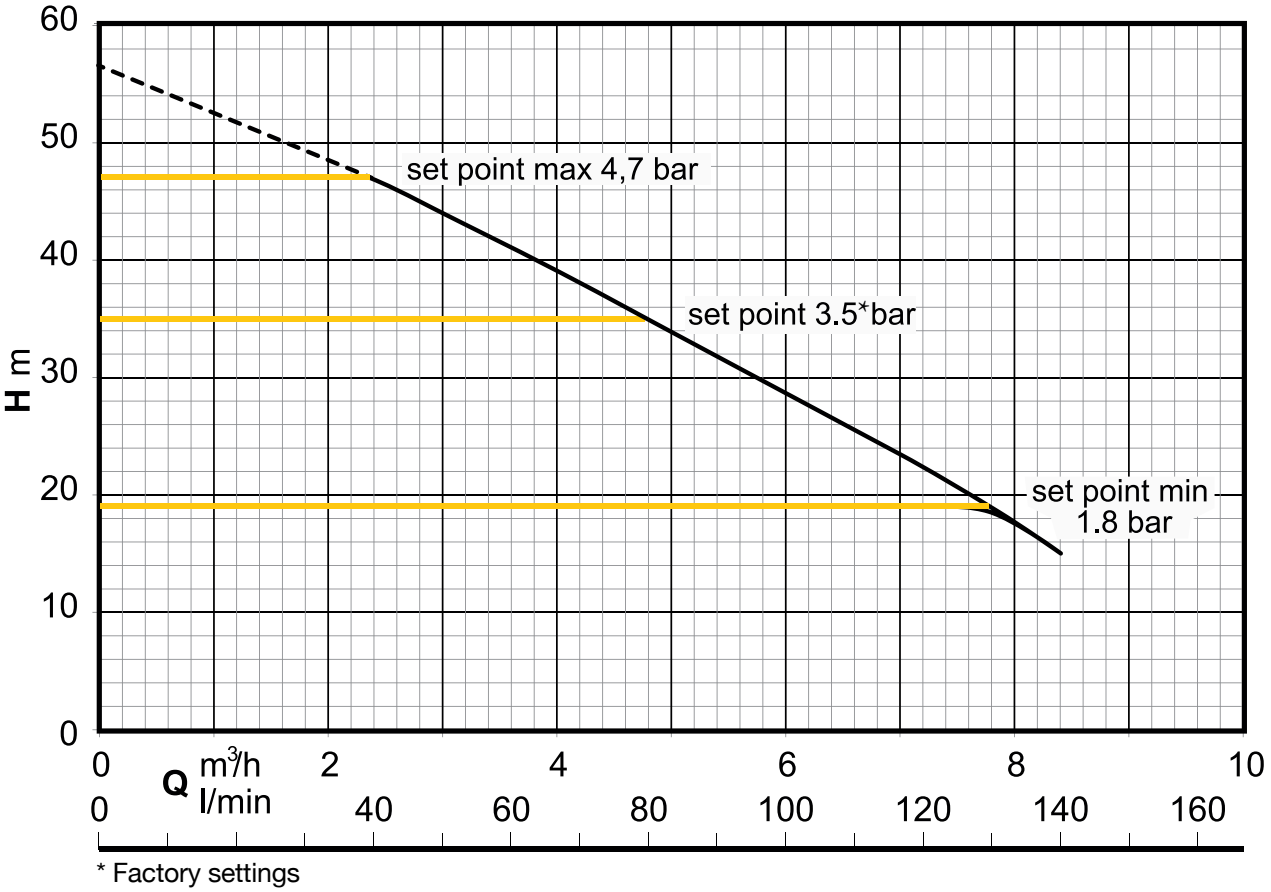
non return valve on the suction side





built-in frequency converter
- constant pressure
- variable speed
- energy efficiency

performance



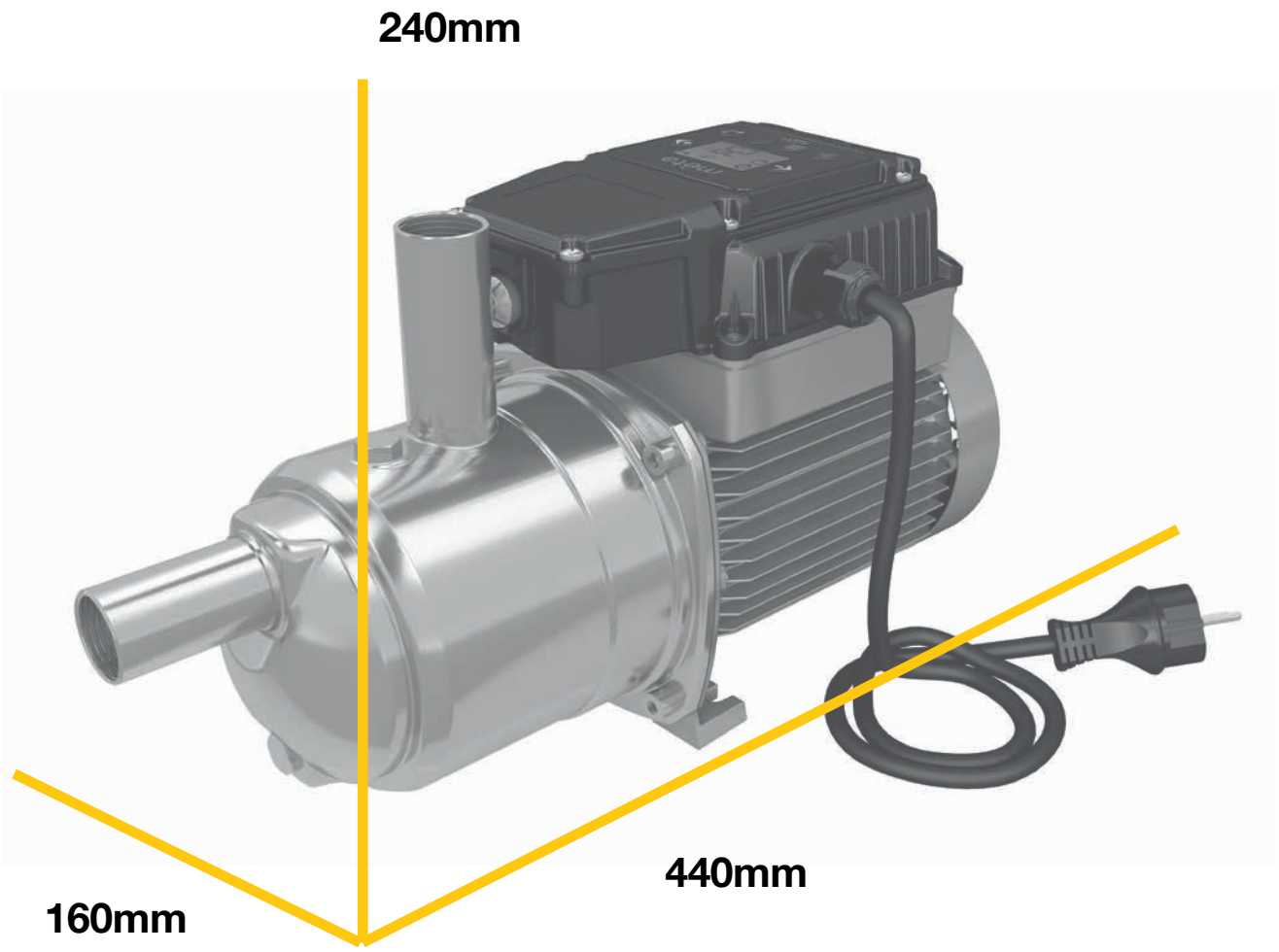
* Factory settings

Energy saving

300Wh

Up to 300Wh
compared to a traditional solution

dimensions



e-idos® products

calpeda®

Plug and Play Solution

Energy Efficiency

Compact Design

twice outside the box

2 pumps mèta 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

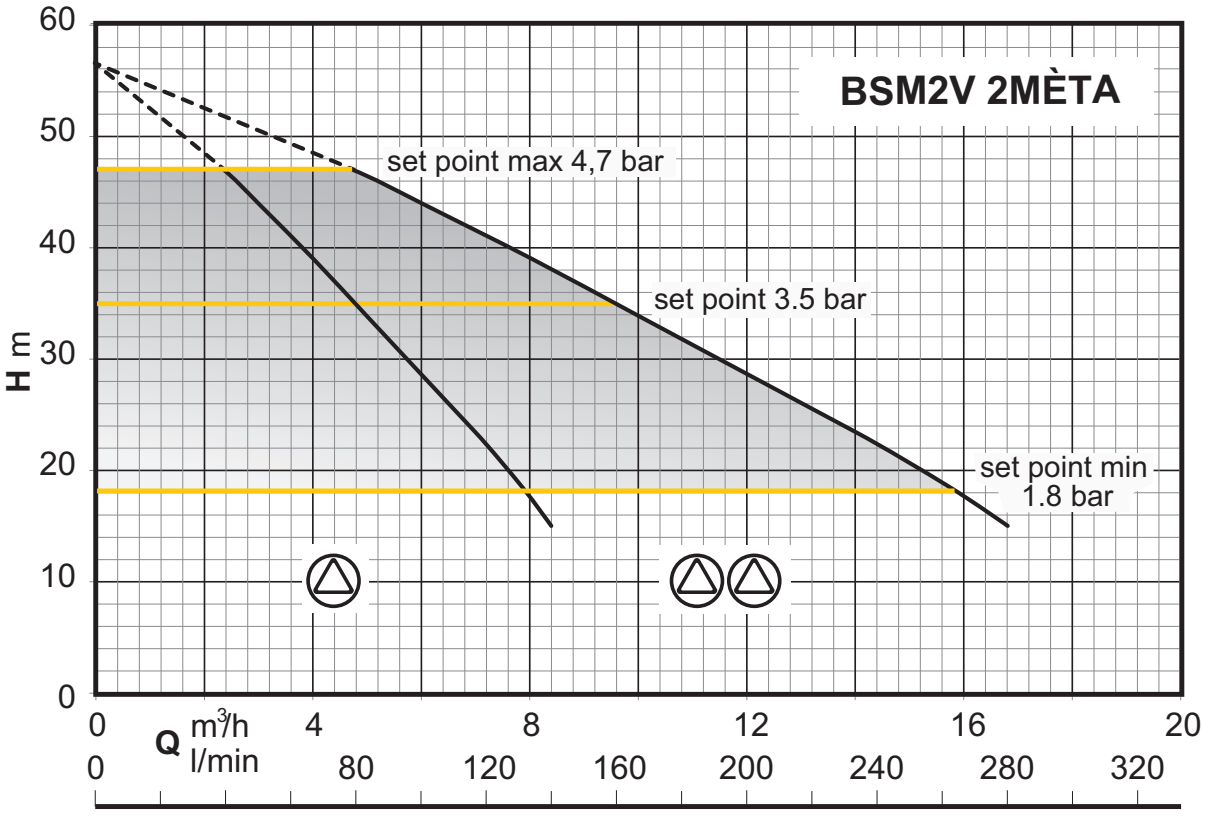
irrigation system

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

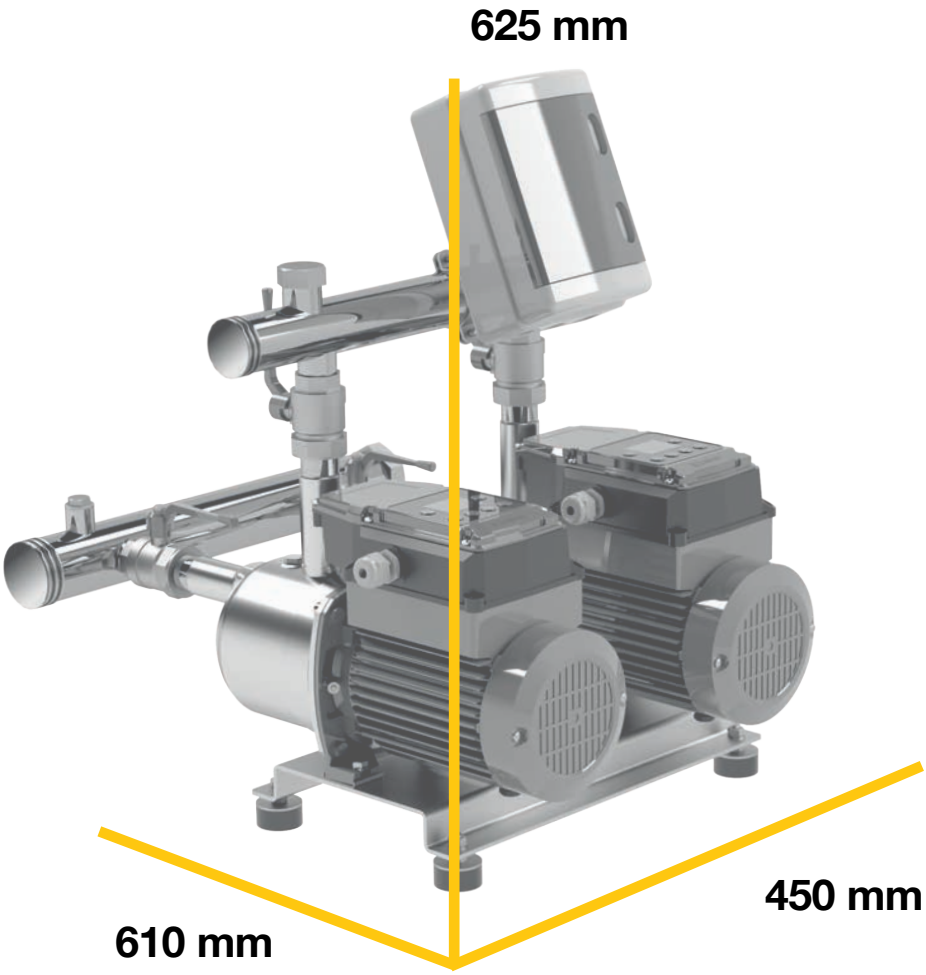


Energy saving

400Wh

Up to 400Wh
compared to a traditional solution

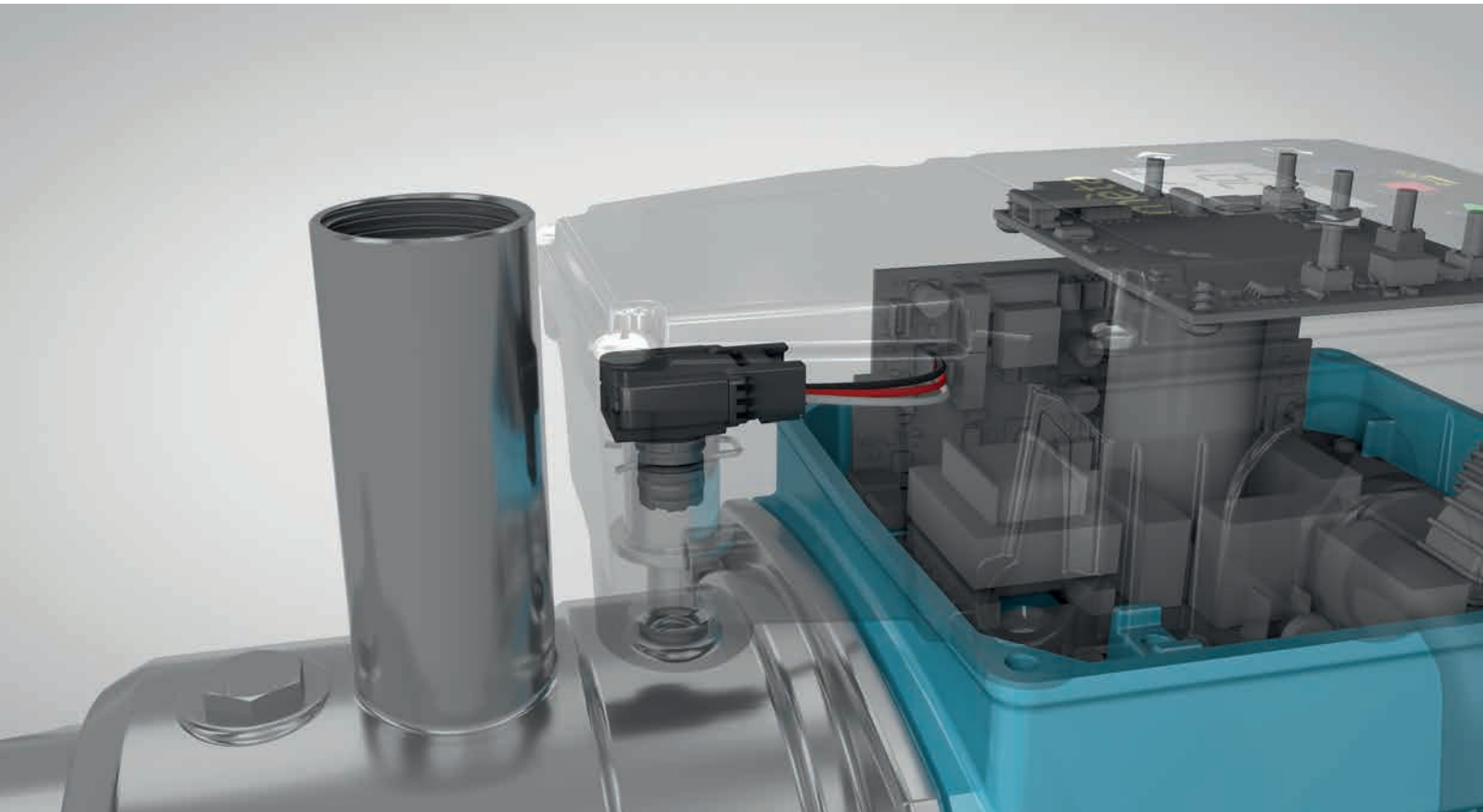
dimensions



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

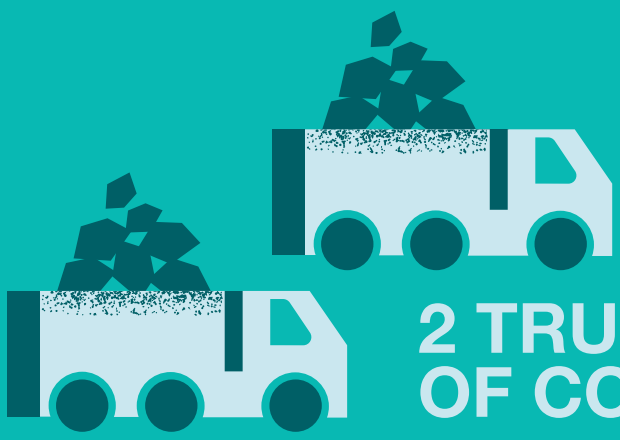
SIMPLE AND INTUITIVE

it allows to visualize:

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

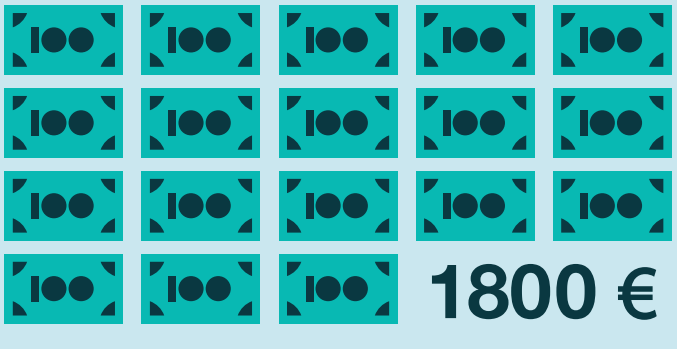
Calculation based on mèta small

OUTPUT



2 TRUCKS OF COAL

23 TREES



1800 €

Energy cost: 0.2 € / kWh

water passion

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