



water passion

1959

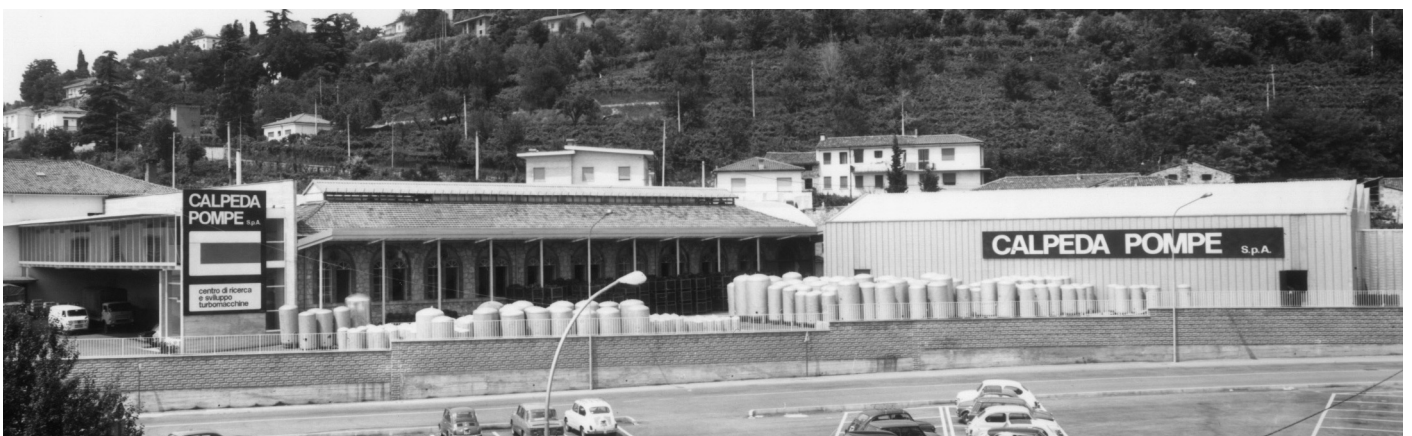
WHO WE ARE

WE WANT TO CONTINUE THAT WHICH WAS STARTED MANY YEARS AGO BY VINICIO METTIFOGO, FOUNDER AND PIONEER.

Calpeda is a family owned company with an history of 65 years.

Today, we are a reality that has evolved over the years, always looking to the future with a spirit that has brought us to being a respected reference point in the great world of water.

Our history has taken our tradition and strength to you, acknowledged for our professionalism, quality, reliability and service.



2024

CALPEDA TODAY

Employees: 280

Offices: Montorso V. (Vicenza) Italy

Main factory: 35,000 sq. metres (covered)

Types of pumps: more than 2,000


Power outputs: from 0.5 kW to 200 kW

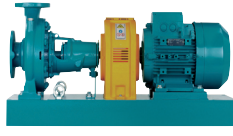


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Pressurized system with integrated control


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Close coupled centrifugal pumps with threaded ports


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Close coupled centrifugal pumps with flanged connections

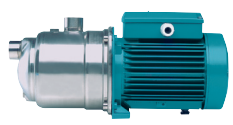
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Pressurized system with integrated control



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Horizontal multi-stage close coupled pumps

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Horizontal multi-stage close coupled pumps

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Vertical multi-stage close coupled stainless steel pumps


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Vertical multi-stage close coupled stainless steel pumps

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Vertical multi-stage stainless steel pumps AISI 304, AISI 316L

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Variable speed Self-priming swimming pool pump with built-in strainer

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Self-priming swimming pool pumps

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Self-priming centrifugal pumps with built-in strainer

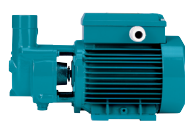
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Self-priming centrifugal pumps with open impeller

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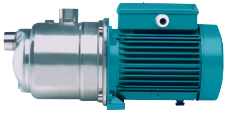
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Self-priming pumps




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Horizontal multi-stage
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Submersible drainage pump




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Submersible stainless steel pumps




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Submersible stainless steel pumps



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Submersible sewage and
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Submersible sewage and
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GEOTRIT - GEOCOMP - GEOCLEAN
Automatic lifting station



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Automatic waste water collecting
and lifting station




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Multi-stage submersible
clean water pumps




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Pressurized system
with integrated control




pag. 375 **MPS**
Multi-stage submersible
clean water pumps



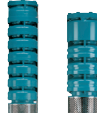
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Stainless steel multi-stage submersible
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for 4" and 6" wells




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Stainless steel submersible borehole
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Variable speed system driven by frequency converter




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Pressure boosting sets



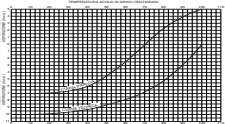
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UNI-EN 12845 units for feeding fire-extinguishing systems



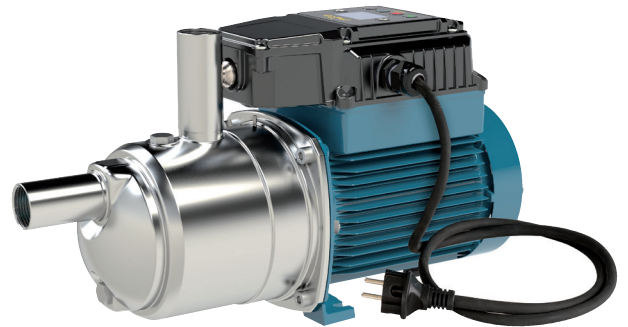
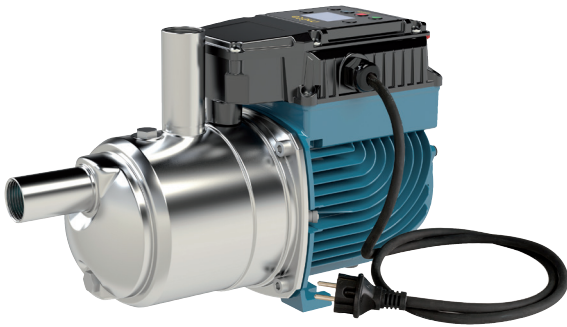
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Accessories for pumps



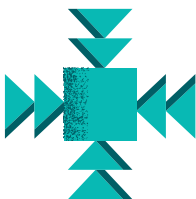
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Technical appendix



EASY TO INSTALL
Plug And play solution



ECONOMIC SAVING
High efficiency asynchronous motor
Up to 450Wh less energy consumption compared to a standard solution



EASY TO USE
Equipped with a programmable software and, thanks to the analogic pressure sensor, the product allows to set the restart pressure.

Variable speed pressure boosting system with integrated control

Construction

Self-priming booster set with built in frequency converter.

MÉTA is a plug and play solution, the pump is equipped with an integrated pressure transducer, an integrated check valve and a built-in pressure vessel.

The Vsd controls the start and stop of the pump and allows to keep a constant pressure.

Boosting sets with 2 pumps

Suction and delivery manifolds in stainless steel AISI 304.

Connections for the installation of one G 1" connection pressure vessel

Applications

For water supply systems.

For domestic use, for garden use and irrigation.

Features

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

Protections

- dry-run protection
- detects the presence of air in the pump casing
- overload control and overheating motor control
- pump blockage
- power supply control
- starts per hour control
- detects small leakages in the system

Operating conditions

Liquid temperature: 0 °C to +35 °C.

Ambient temperature up to 40° C.

Maximum permissible pressure in the pump casing: 8 bar.

Continuous duty.

Motor

2-pole induction motor.

Nominal speed 4500 rpm (5800 rpm per MÉTA SMALL)

- Motor: variable speed

Frequency: 50-60 Hz

Single-phase 220-240V~50Hz/220V~60Hz, with thermal protector.

Cable: H07RN8-F, 3G1,5 mm², length 1,5 m, with plug

CEI-UNEL 47166.

Insulation class F.

Protection IP X4.

Constructed in accordance with EN 60034-1, EN 60335-1, EN 60335-2-41.

Materials

Components	Material
Pump casing	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Casing cover	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Pump shaft	Cr-Ni steel 1.4305 EN 10088 (AISI 303)
Suction casing	PPO-GF20 (Noryl)
Stage casing	PPO-GF20 (Noryl) (Cr-Ni steel AISI 304 for MÉTA SMALL)
Impeller	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Membrane	Butyl
Tank cover	POM - POLYACETAL
Membrane cap	POM - POLYACETAL
Non-return valve	POM - POLYACETAL
Plug	Cr-Ni steel 1.4305 EN 10088 (AISI 303)
Mechanical seal	Carbon - Ceramic - NBR

Performance

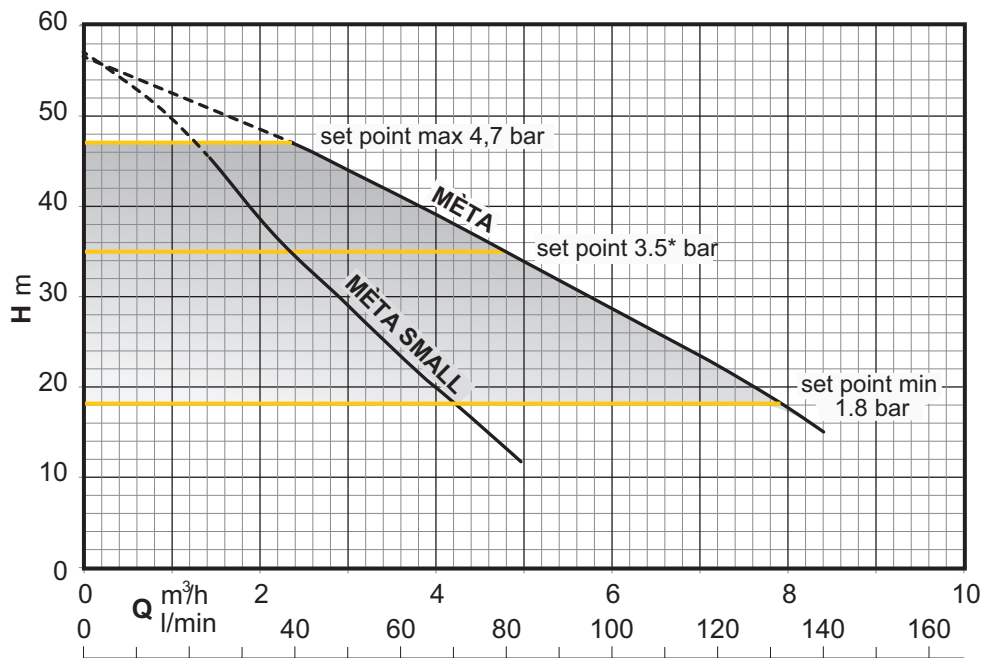
Single-phase

Model	230V A	P1 kW	Q = Flow											
			m³/h	0	1	2	3	4	5	6	6,5	7	8	8,4
MÈTA SMALL	2,8	0,65	l/min	55	50	37,3	28,5	20,5	11,3	-	-	-	-	-
MÈTA	5,9	1,35	l/min	55	-	48	43,5	38,7	33,8	28,6	26	23,4	18,2	15

P1: Maximum power input.
P2: Rated motor power output.
H: Total head in m.

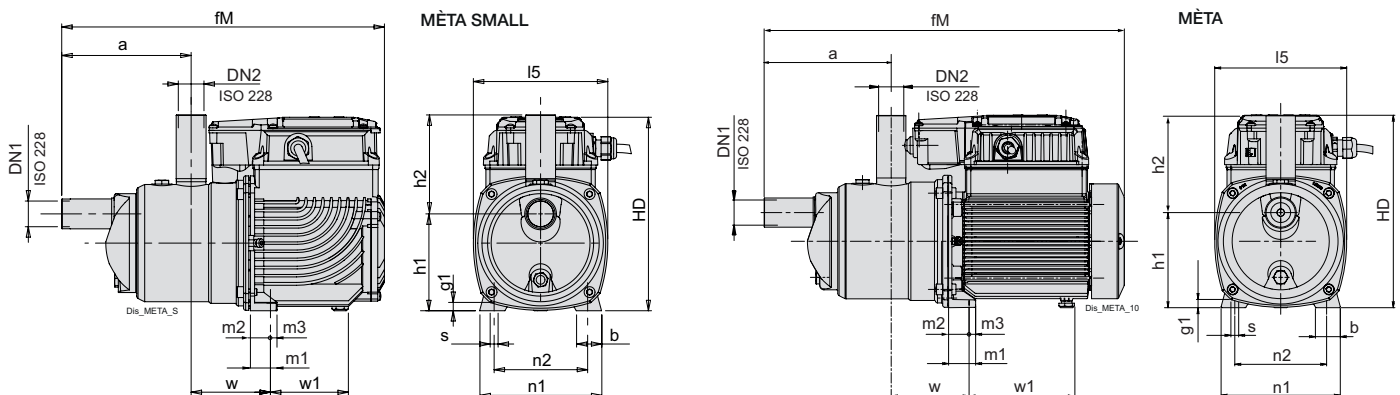
Test results with clean cold water, without gas content.
 A safety margin of + 0.5 m is recommended for the NPSH value.
 Tolerances according to UNI EN ISO 9906:2012

Characteristic curves



* Factory settings

Dimensions and weights



TYPE	mm																Kg	
	DN1	DN2	a	b	fM	g1	h1	h2	HD	I5	m1	m2	m3	n1	n2	s	w	Weight
MÈTA SMALL	G 1	G 1	155	30	387	10	116	119	235	161	33	25	8	146	112.5	9	95	9.8
MÈTA	G 1	G 1	155	30	440	10	116	119	235	161	33	25	8	146	112.5	9	95	12.7

Weight with cable length: 1,5 m

Performance

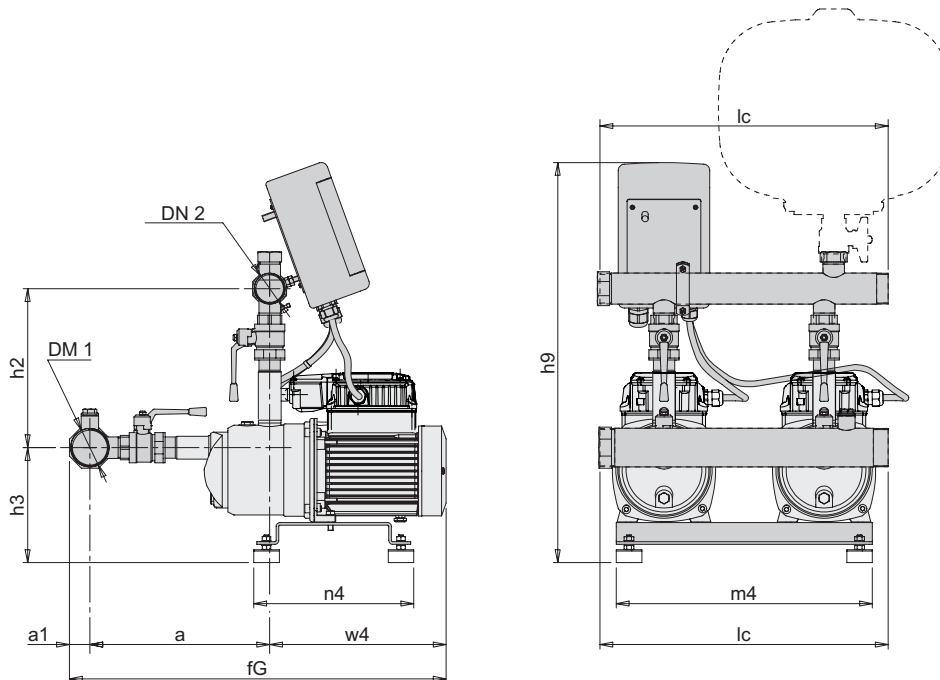
Single-phase

Model	230V	P1	Q = Flow												
			m³/h	0	2	4	6	8	10	12	13	14	16	16,8	
			l/min		33,3	66,6	100	133	167	200	217	233	267	280	
	A	kW		H (m) = Total head											
BSM2V 2 META SMALL	2 X 2,8	2 X 0,65		55	50	37,3	28,5	20,5	11,3	-	-	-	-	-	
BSM2V 2 META	2 X 5,9	2 X 1,35		55	-	48	43,5	38,7	33,8	28,6	26	23,4	18,2	15	

P1: Maximum power input.
P2: Rated motor power output.
H: Total head in m.

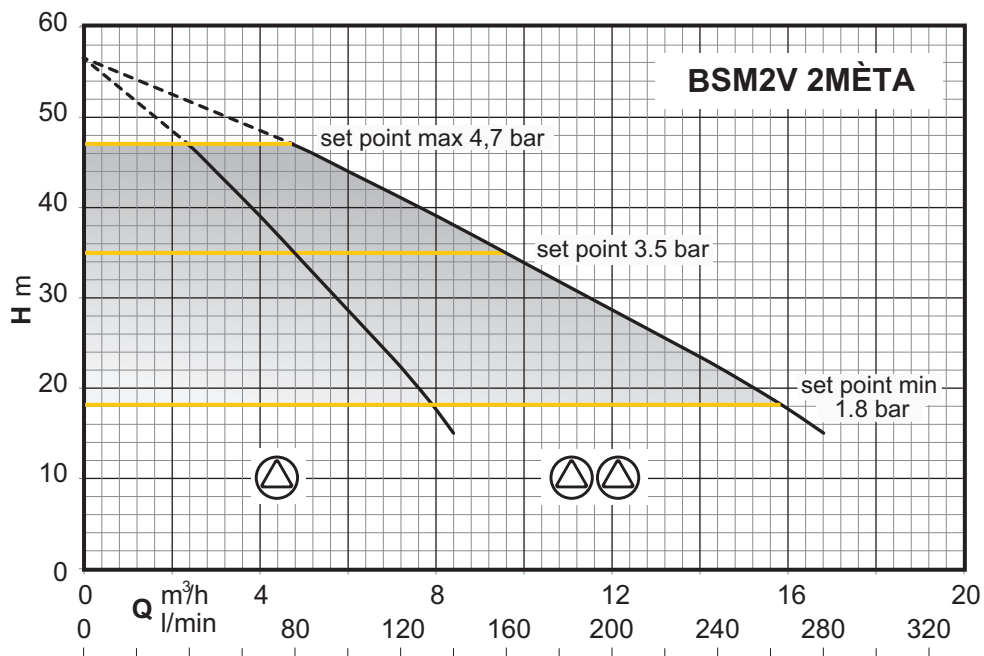
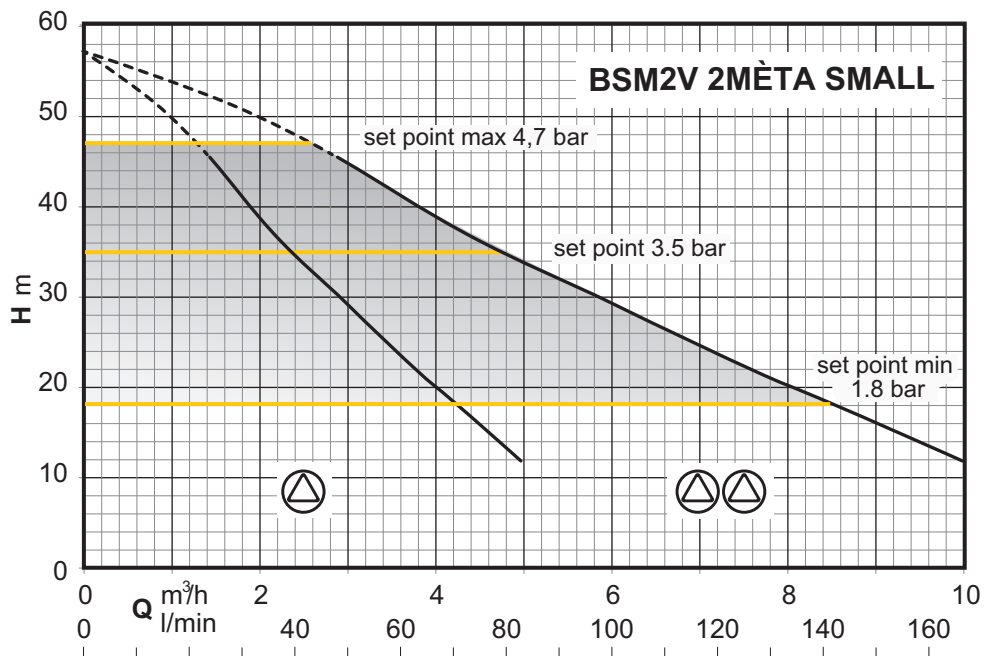
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 Tolerances according to UNI EN ISO 9906:2012

Dimensions and weights



TYPE	mm												Kg Weight
	DN1	DN2	a	a1	fG	h2	h3	h9	lc	m4	n4	w4	
BSM2V 2 META SMALL	G 2	G 1 1/2	291	32	555	248	179	625	450	400	250	232	31,6
BSM2F 2 META	G 2	G 1 1/2	291	32	608	248	179	625	450	400	250	285	37.2

Characteristic curves



Control Panel

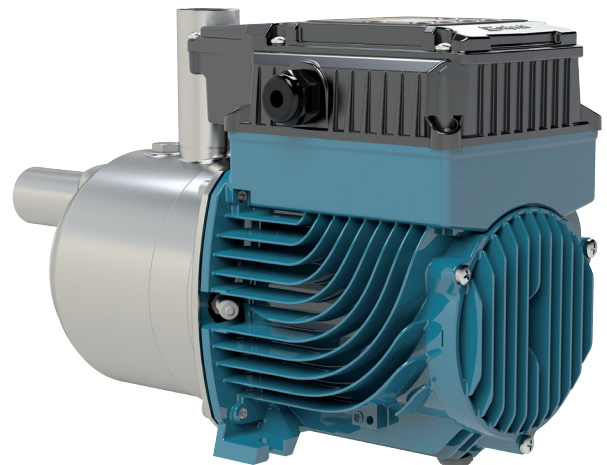


They allow to visualize:

- Initial screen (rUn, OFF, StB, Err)
- Motor Operating Frequency
- Delivery pressure measured by the transducer
- Supply current input
- Supply electrical power input
- Supply voltage

mèta_{small}

new design without cooling fan



think outside the box

