















NEW RANGE

DAB. Innovation is not a goal but a new starting point.

This is not just a presentation of the new range of Evosta electronic circulators. It is much more.

It is a story that began 43 years ago, about a path of technological innovation and about the application of a new way of imagining, creating, producing and working at DAB.

The result is the new Evosta range of circulators, the perfect synthesis between the strength of the mechanical circulator and the benefits of the electronic.

Find it out with us.



DAB inaugurates the new Factory 4.0 with the new Evosta circulators. A robotised production line where man, technology and services are integrated in the name of human safety and top quality of the product.



A future of innovation

Replacing the previous Evotron and Evosta and on the basis of the success of over 20 million pieces sold, the new range points to the future with the boost of an unprecedented technological acceleration.





RELIABILITY 4.0

Smart factory, Brilliant factory, Factory 4.0, Industry 4.0, Industrial Internet.

Innovation is about capacity, not words. It is about having a vision and adopting it in the corporate culture and complex organisational system.

DAB has done precisely this with the new range of Evosta electronic circulators. It is the first of its kind to be designed and produced using an entirely Smart process.

TECHNOLOGIES 4.0

New technologies integrate the processes of operators, machines and tools.

SERVICES 4.0

IT and technical infrastructures connect systems and people in a collaborative way to improve safety and the quality of work.

SUSTAINABILITY 4.0

Ongoing research in energy efficiency represents a social duty for DAB.

Optimising resources and using them in a sustainable and intelligent way can assist us in our digital transformation.

DAB's Factory 4.0 is the result of the collaboration and integration of Research and Development, Industrialisation and Procurement.

The process is, therefore, entirely stable and constant while ensuring maximum flexibility of production. All the phases of assembly of the new Evosta range are automated and involve intelligent POKA-YOKE

control systems to guarantee fault-free production and a completely safe line for operators.





A new range for the market of tomorrow

43 years of experience. over 20 million circulators sold.

History and know-how, together with the in-house design of the mechanics and electronics and the new DAB 4.0



IPX5 TESTING

The infiltration of moisture in the mechanics and, most importantly, in the electronics of our products is no longer an issue.

The IPX5 degree of protection is tested by firing a water jet from a 6.3 mm nozzle on weak spots and openings with no infiltration into the device.



IPX5

The waterproof electronics reduce faults to a minimum and ensure complete peace of mind.





SELECTION GUIDE	EVOSTA 3	EVOSTA 2
Display	•	
Quick connection plug	•	
Proportional differential pressure regulation mode	•	•
Constant differential pressure regulation mode	•	•
Fixed speed regulation mode	•	•
Dry run protection	•	
Auto-venting	•	
Airvent plug	•	•
Auto-unlock	•	•

EVOLLA

THE FIRST SMART CIRCULATOR

FOR LIVING WITH COMFORT... AND NOT ONLY



WHY CHOOSE EVOSTA 3 APPLICATION

















Reliability, durability and practicality

IPX5 PROTECTION

This certified degree of protection prevents the infiltration of water in the mechanics and, most importantly, in the electronics:

faults are reduced to a minimum for absolute peace of mind.



AIRVENT PLUG

Designed with front electronics and airvent plug providing access to the shaft in case of seizure.

Evosta 3: easier maintenance for greater peace of mind

STEEL MOTOR CASING

Made with stainless steel grade AISI 304 ensuring maximum comfort and long life, even in the case of cooling applications.







WHEN TECHNOLOGY

LENDS US A HAND



EASY TO REPLACE

The circulator can now be replaced easily: the new interchangeable power connector of the Evosta 3 range can be used with connection plugs of other competitors without the need to rewire all the electrical connections. Even the most awkward replacement is now quick and easy.

ERGONOMIC INNOVATION

Dab's technological evolution has made possible a consistent reduction of the overall size of Evosta 3 now offering unparalleled flexibility.

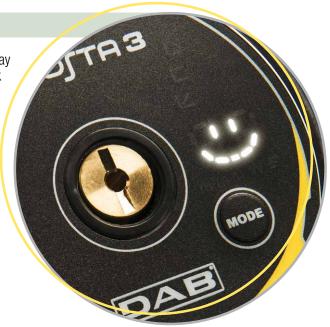




OVERVIEW

WHEN SMART MEANS EASY

The new user interface with illuminated display and sequential button with immediate feedback makes easier the setting and readability under all conditions, since the settings remain available and can be edited at any time... with just a finger.





MAXIMUM PERFORMANCE, MINIMUM CONSUMPTION

The energy performance of the new Evosta 3 has been improved with the new concepts of Smart energy and the use of an inverter, bringing the EEI index to \leq 0.19: lower than ever before.

AIMING FOR SAVINGS

the Evosta 3 model is supplied as standard with insulation shells which reduce the dispersion of thermal energy, ensuring further energy savings





MECHANICAL STRENGTH

ELECTRONICS EVOLUTION



FEATURES

PUMP BODY

Cast iron pump body with cataphoresis paint coating.





MOTOR

Permanent-magnet synchronous motor.



STEEL MOTOR CASING

AISI 304 stainless steel.



Supplied with an insulation kit reducing consistently the dispersion of thermal energy to guarantee further energy savings.



EVOSTA2

NOW EVEN TO KEEP YOU COOLED



WHY CHOOSE EVOSTA 2

APPLICATION













H max 14,5 m





OVERVIEW



IPX5 PROTECTION

This certified degree of protection prevents the infiltration of water in the mechanics and, most importantly, in the electronics: faults are reduced to a minimum for absolute peace of mind.



STEEL MOTOR CASING

Made with stainless steel grade AISI 304 ensuring maximum comfort and long life, even in the case of cooling applications.

AIRVENT PLUG

Designed with front electronics and breather plug providing access to the shaft in case of seizure. Evosta 2: easier maintenance for greater peace of mind.



The new user interface with sequential button makes easier the setting..with a shells finger.



MAXIMUM PERFORMANCE, MINIMUM CONSUMPTION

The energy performance of the new Evosta 2 has been improved with the new concepts of Smart energy and the use of an inverter, bringing the EEI index to \leq 0.18: lower than ever before.





MECHANICAL STRENGTH

ELECTRONICS EVOLUTION

INVERTER

Evosta absorbs only the energy that is strictly necessary, ensuring significant financial savings.



USER INTERFACE



Intuitive interface providing immediate feedback for keeping the operating settings under control at all times.

AIRVENT PLUG

Providing access to the shaft in case of seizure.







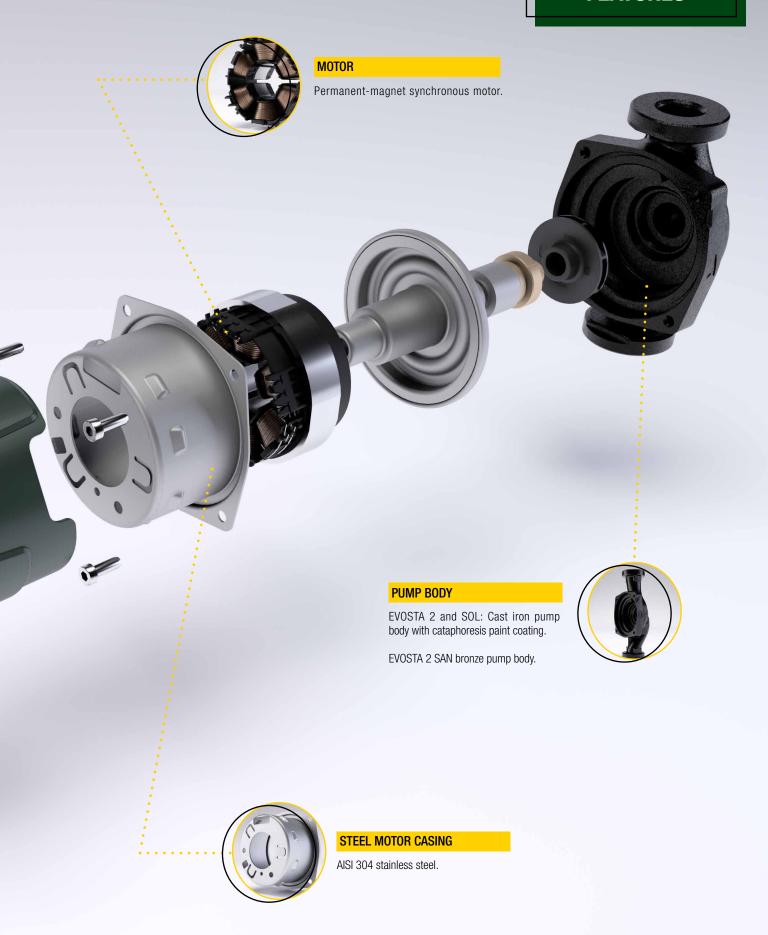




Allows a simple and quick electrical connection, even in the most uncomfortable installation situations.



FEATURES



MAGNETIC FILTERS

UNPRECEDENTED EFFECTIVENESS

Nothing is more important than the quality of our work, the durability and efficiency of the systems, and the satisfaction of our customers. For this reason, DAB is entering in an agreement with Adey to offer a complete circulator-filter solution. Heating systems can be subject to dirt. Over 95% of this dirt consists of magnetite and iron oxide.

This is the main reason in percentage (70%) of failures, noise, leaks and inefficiencies. The D/MAG magnetic filters reduce impurities by 90%, increasing the life of the circulators and reducing both maintenance and energy costs.

Starting from today you can use the new Evosta circulators and the D/Mag filtering system as part of an integrated, reliable and safe solution simply by choosing the most suitable filter for the system:





Pumped liquid temperature range

evoplui

Connections 1" 1/4 - 1" 1/2 Working pressure 6 bar

up to + 95°C





TECHNICAL DATA







	EVOSTA 3	EVOSTA 2	EVOSTA 2 SAN
OPERATING RANGE:	0,4 - 4,2 m³/h with head up to 8 metres	0,4 - 3,6 m³/h with head up to 6,9 metres	0,4 - 3,6 m³/h with head up to 6,9 metres
PUMPED LIQUID TEMPERATURE RANGE:	from -10 °C to +110°C	from -10 °C to +110°C	from -10 °C to +110°C
WORKING PRESSURE:	10 bar (1000 kPa)	10 bar (1000 kPa)	10 bar (1000 kPa)
PROTECTION CLASS:	IPX5	IPX5	IPX5
INSULATION CLASS:	F	F	F
INSTALLATION:	with horizontal motor shaft	with horizontal motor shaft	with horizontal motor shaft
STANDARD POWER INPUT:	single-phase 1x230 V~ 50/60 Hz	single-phase 1x230 V~ 50/60 Hz	single-phase 1x230 V~ 50/60 Hz
PUMPED LIQUID:	Clean, free of solids and mineral oils, non-viscous, chemically neutral, with properties similar to water (glycol max 30%)	Clean, free of solids and mineral oils, non-viscous, chemically neutral, with properties similar to water (glycol max 30%)	Clean, free of solids and mineral oils, non-viscous, chemically neutral, with properties similar to water (glycol max 30%)





	EVOSTA 2 SAN	EVOSTA 2 SOL
OPERATING RANGE:	0 - 0,6 m ³ /h with head up to 1,1 metres	0 - 3,5 m³/h cwith head up to 14,5 metres
PUMPED LIQUID TEMPERATURE RANGE:	from +2 °C to +75°C	from -10 °C to +110°C (with peaks up to 130°C)
WORKING PRESSURE:	10 bar (1000 kPa)	10 bar (1000 kPa)
PROTECTION CLASS:	IP42	IPX5
INSULATION CLASS:	Ш	F
INSTALLATION:	with horizontal motor shaft	with horizontal motor shaft
STANDARD POWER INPUT:	single-phase 1x115-230 V~ 50/60 Hz	single-phase 1x230 V~ 50/60 Hz
PUMPED LIQUID:	Clean, free of solids and mineral oils, non-viscous, chemically neutral, with properties similar to water (glycol max 30%)	Clean, free of solids and mineral oils, non-viscous, chemically neutral, with properties similar to water (glycol max 30%)

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