



Welcome
**TO OUR WORLD,
THE WORLD
OF PUMPS**



SWISS  MADE

MISSION

Established in 1964, Gotec SA is a family business with considerable know-how in the field of solenoid pumps in Switzerland. Over time, we have developed several products, from our knowledge in the air conditioning (HVAC) and heating (ZÖV) industries, and even in the area of coffee.

Gotec SA is known as a solid, innovative and trustworthy supplier. Our goal is to provide high quality turn-key solutions to the market. The satisfaction of our customers and partners is one of our main concerns. Over the years, we have been able to expand our sales network on all 5 continents, thanks to our professional and knowledgeable partners.



VISION

Our vision is to continue our expansion in the fields of air conditioning, heating and coffee, but also towards all other areas where our core product, the solenoid pump, could be integrated.

To support this vision, we supply a complete range of pumps carrying the distinctive seal of innovation and know-how. To remain a reputable reference in the field of solenoid pumps, we continue to create a dynamic work environment, recognizing the teamwork and the individuals who invest in our company.

Certifications



APPLICATIONS

Gotec S.A. can provide solutions in the fields of applications such as: cleaning machine, food industry, ink industry, healthcare, automotive industry, lubrication for motorcycle, heating system, air conditioning and many other sectors.

Our 55 years of activity have enabled us to acquire and develop specialized knowledge with all types of liquids.

Our preferred field of application is the solenoid AC or DC pumps. We also produce rotary vane pumps and have existing solutions for air conditioning and heating system.

We provide products that have a longer lifetime than other products on the market. Moreover, we provide a repair service and we continuously strive to extend this to our sales partners over 5 continents, so that the product life cycle is as long as possible for both the customer and for the environment.

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SOLENOID PUMPS



ROTARY VANE PUMPS



CONDENSATE WATER PUMPS



OIL LIFTERS



RESEARCH & DEVELOPEMENT



HISTORY

8 MARCH 1915

Birth of Mr. Otto Eckerle in Otterweiser



1935

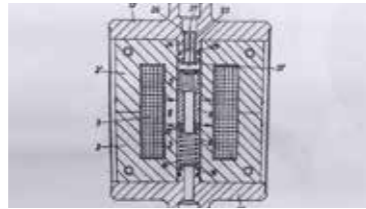
Creation of the first company, Eckerle GmbH, in Malsh

Design and construction of operating materials and specialist equipment used for metal processing

1950 - 1960

First solenoid piston pump

One of the first patents in 1957



1964

Creation of Gotec SA in Sion, Switzerland

Manufacture of pumps for the oil heating system



1984

Start of partnership with Kärcher for solenoid pumps

1990

First extension of the factory

Production surface doubles

1994

Production of the mini pump

EMS pump



1998

Second extension of the factory

The administration department grows. Manufacture of condensate pumps for air conditioning



2001-2002

Re-engineering of oil liters

SP32-01 and SP32-02



2008

Development AIO (All In One) system

Three components in one unit: pump, heating, flow control



2014

50 years of Gotec SA

2016

Development of heating system

New heating system that can create hot water and steam in a few seconds

2017

Re-engineering ET & EK pumps



2019

Development PWM

New DC driver which can run Gotec pumps by DC voltage



2020

Move to new production plant



SOLENOID PUMPS

For more than 50 years, we have been developing our own solenoid piston pumps. Our experience and our high level of quality, renowned throughout the world, place us firmly at the forefront of pump manufacturers. To date, we have developed over 2,500 customized models and we will continue to make our clients satisfied with our OEM products.

ADVANTAGES

- We can provide to our clients with a solution for all needs from 0 to 200l/h and from 0 to 25bar with any fluids ranging from PH2 to PH14.
- Standard coils are insulation class H (180°C) or class F (155°C) and isolation class is 2 or 1.
- The operating time can be continuous (100%ED) in general with 20°C of water and for short periods, pump can run dry.

ELECTRICAL

Standard voltages and frequencies are 12/24/110/230V and 50/60Hz. The pumps always need a rectified AC signal by an integrated diode in line or a DC pulsed signal. For the DC signal, Gotec's DC drivers are available for the EM, ET, EK pumps. Control of the performances by frequency or voltage is possible.

DESCRIPTION CODE

ET	Model of the pump / type of coil (ES-EM-ED-ET-EK-EB)
S	Type of connectors (S-X-G-E-U...)
17	Model of pump / maximum pressure (ex. 17 ≥ 1.7 bar)
P	Material of the seals & O-ring (P-T-E-V-TV...)
C	Material of the sleeve / Piston coating (C-DLC-O-B...)
230	Voltage (230-110-36-24-12VAC...)
50	Frequency (50-60Hz)

COMPATIBLE MATERIALS

Large choice of materials for valves and O-rings: NBR, EPDM, Viton, PTFE, HNBR, FFKM, Silicone, etc.

HYDRAULIC CONNECTION

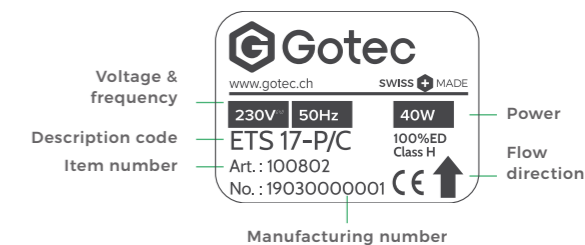
Connection for soft hoses or threaded, there is a wide range of connectors in stainless steel, high-tech plastics and different materials, types and sizes.

OEM - CUSTOMIZED PUMP

Gotec can develop and adapt each pump according to customer's requirements and their specific application, even if it's for a small quantity.

Our customers are unique, so our pumps are too.

Short explanation about the description code of the pumps

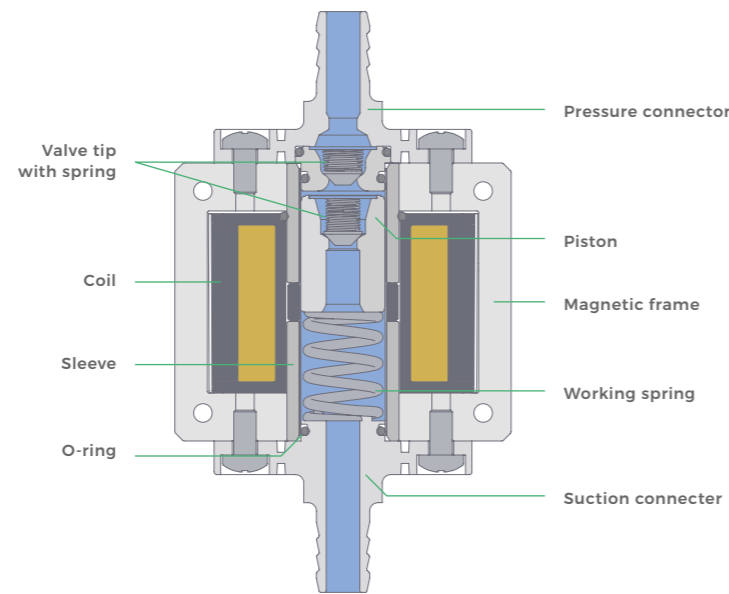


HOW TO WORK SOLENOID PUMPS

3D VIEW OF A SOLENOID PUMP



TECHNICAL FEATURES

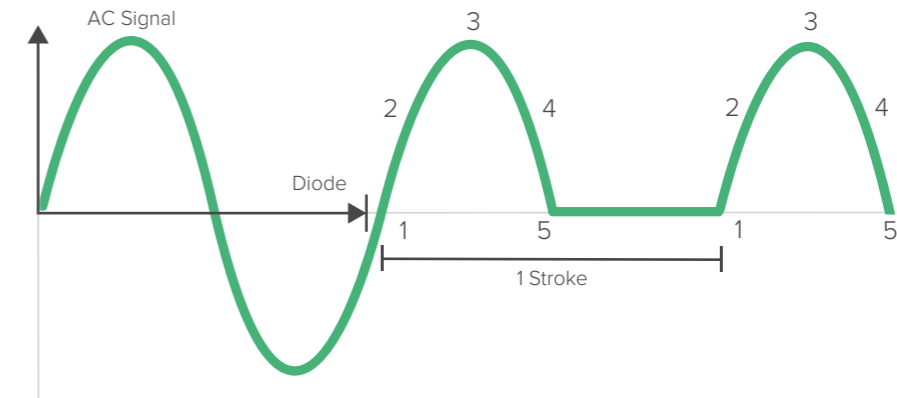


HOW TO WORK

Connected to a rectified AC signal supply by a diode, the coil generates a strong magnetic field which moves the piston in the middle of the coil. This movement creates the oscillation with help of built-in valves which moves the air and the liquid from inlet to outlet. When there is a neutral

signal, there is no more generated power from the coil, so the spring pushes the piston back to its original position - Zero position. This movement is repeated according to the supplying frequency - 50 or 60 Hz.

PISTON MOVEMENT WITH AC SIGNAL



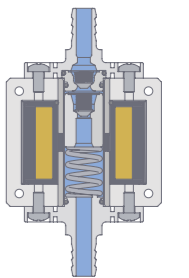
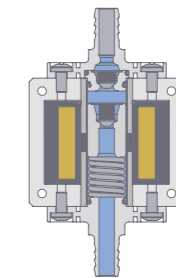
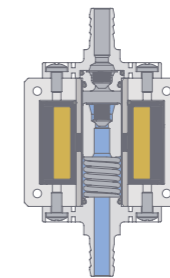
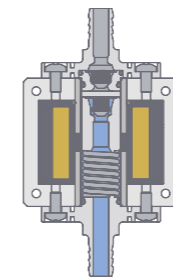
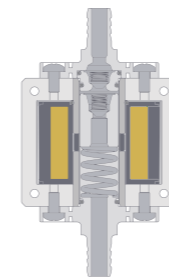
1. Zero position

2. Moving down

3. Max. down

4. Moving up

5. Zero position





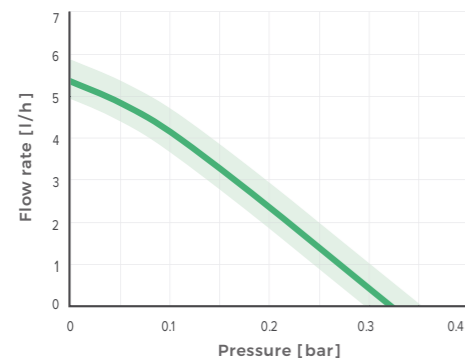
ES

ESX04

TECHNICAL DATA

Max. Flow rate [l/h]	5 (1.3g/h)
Max. Pressure [bar]	0.3 (4.4psi)
Max. suction height [m]	0.3 (1ft)
Power consumption [w]	5
Dimensions [mm]	17.3x33x43.1 (0.67x1.3x1.7in)
Hydraulic connection [mm]	Ø7 (0.27in)

PERFORMANCES



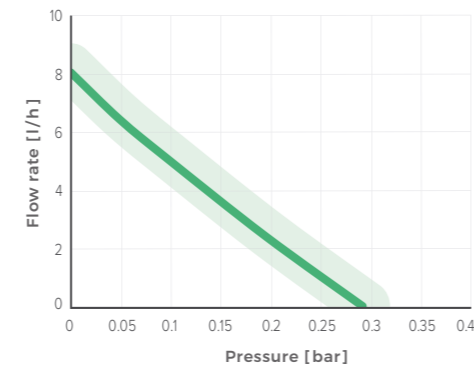
ED

EDS03

TECHNICAL DATA

Max. Flow rate [l/h]	7 (1.8g/h)
Max. Pressure [bar]	0.25 (3.6psi)
Max. suction height [m]	1 (3.3ft)
Power consumption [w]	18
Dimensions [mm]	25x44x86 (0.98x1.73x3.39in)
Hydraulic connection [mm]	Ø7 (0.27in)

PERFORMANCES



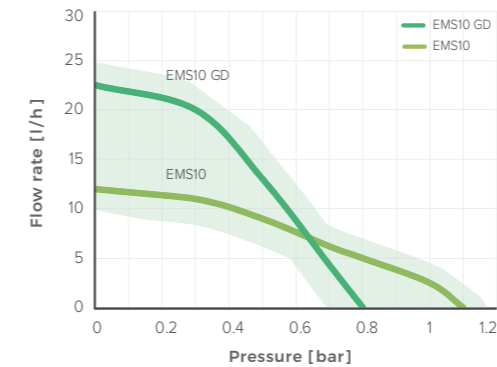
EMS

EMS10 - EMS10 GD

TECHNICAL DATA

	EMS10	EMS10 GD
Max. Flow rate [l/h]	10 (2.6g/h)	20 (5.3g/h)
Max. Pressure [bar]	1 (14.5psi)	0.7 (10.2psi)
Max. suction height [m]	3 (9.8ft)	
Power consumption [w]	18	
Dimensions [mm]	23x43x76 (0.9x1.69x3in)	
Hydraulic connection [mm]	Ø8 (0.31in)	

PERFORMANCES



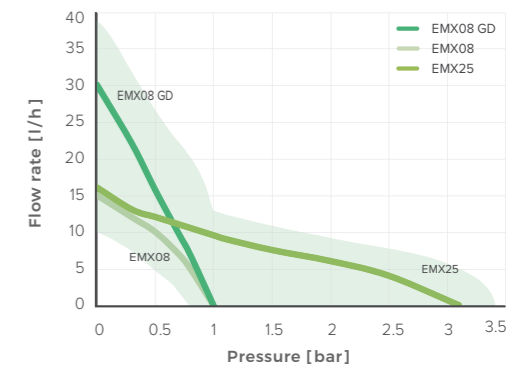
EMX

EMX08 - EMX08 GD - EMX25

TECHNICAL DATA

	EMX08	EMX08 GD	EMX25
Max. Flow rate [l/h]	10 (2.6g/h)	20 (2.6g/h)	12 (2.6g/h)
Max. Pressure [bar]	0.8 (14.5psi)	0.8 (14.5psi)	2.5 (14.5psi)
Max. suction height [m]	3 (9.8ft)	3 (9.8ft)	0.5 (01.6ft)
Power consumption [w]	18		
Dimensions [mm]	23x43x76 (0.9x1.69x3in)		
Hydraulic connection [mm]	Ø8 (0.31in)		

PERFORMANCES





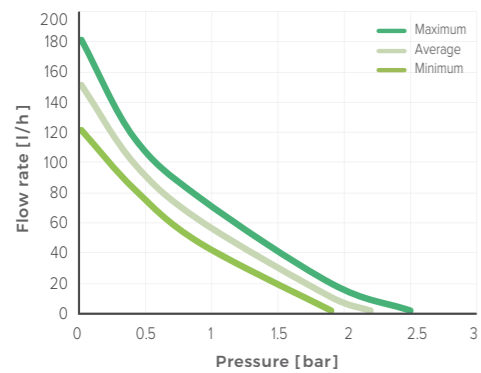
EK

EKS17

TECHNICAL DATA

Max. Flow rate [l/h]	120 (32g/h)
Max. Pressure [bar]	1.9 (27.5psi)
Max. suction height [m]	3 (9.8ft)
Power consumption [w]	40
Dimensions [mm]	56x52.4x103.6 (2.2x2.06x4.08in)
Hydraulic connection [mm]	Ø9.5 (0.37in)

PERFORMANCES



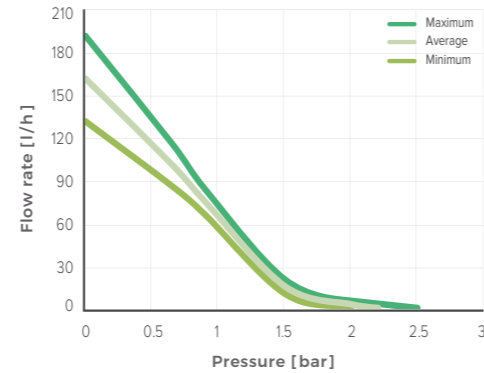
ET

ETS17

TECHNICAL DATA

Max. Flow rate [l/h]	130 (34g/h)
Max. Pressure [bar]	2 (29psi)
Max. suction height [m]	3 (9.8ft)
Power consumption [w]	40
Dimensions [mm]	60x52.4x103.6 (2.36x2.06x4.08in)
Hydraulic connection [mm]	Ø9.5 (0.37in)

PERFORMANCES



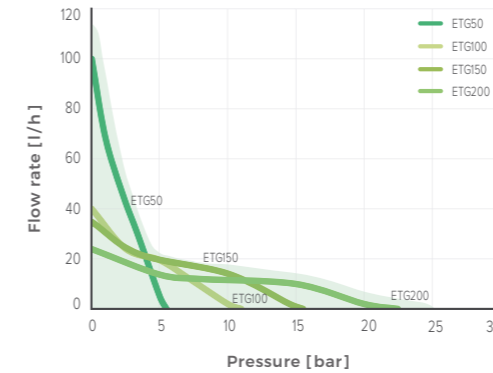
ETG

ETG50 - ETG100 - ETG150 - ETG200

TECHNICAL DATA

	ETG50	ETG100	ETG150	ETG200
Max. Flow rate [l/h]	90 (24g/h)	30 (8g/h)	35 (9.2g/h)	20 (5.3g/h)
Max. Pressure [bar]	5 (73psi)	14.5 (210psi)	10 (145psi)	20 (290psi)
Max. suction height [m]	2 (6.6ft)	1 (3.3ft)	1 (3.3ft)	0.3 (1ft)
Power consumption [w]	45	45	45	25
Dimensions [mm]	60x52x113.6 (2.36x2.05x4.47in)			
Hydraulic connection	Internal Thread G1/8"			

PERFORMANCES



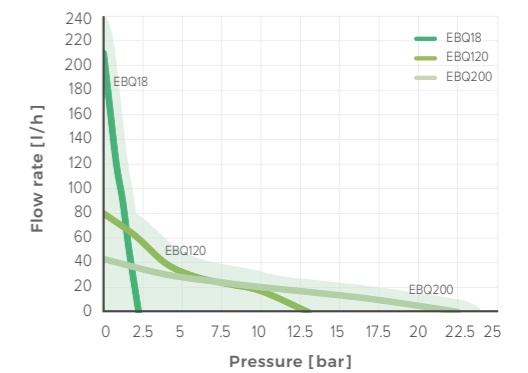
EB

EBQ18 - EBQ120 - EBQ200

TECHNICAL DATA

	EBQ18	EBQ120	EBQ200
Max. Flow rate [l/h]	170 (45g/h)	70 (18.5g/h)	35 (9.3g/h)
Max. Pressure [bar]	1.8 (26psi)	11.5 (167psi)	20 (290psi)
Max. suction height [m]	2 (6.6ft)	1.5 (4.9ft)	0.5 (1.6ft)
Power consumption [w]	120		
Dimensions [mm]	64x96.8x106.2 (2.52x3.8x4.18in)	64x96.8x130 (2.52x3.8x5.12in)	
Hydraulic connection	Internal Thread G3/8"		

PERFORMANCES





ROTARY VANE PUMPS

TS is a self-priming rotary vane pump with a high accuracy flow rate: maximum flow rate is 400l/h (105g/h) at 1450 rpm for maximum allowed pressure of 15bar (217psi). The use of PPS (Ryton) for the body, Graphite for the pumping chamber and vane, Stainless steel for the rotor increases the product resistance handling most liquids on the market. Both inlet and outlet connections are 3/8 NPT. A bypass valve protects the pump during temporary overpressure conditions. There are several models which have different performances as well as a choice of materials of gasket.

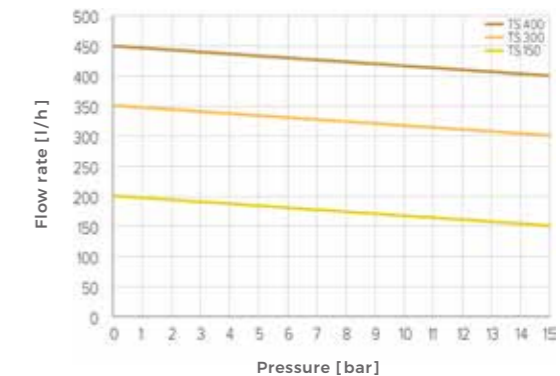


ROTARY VANE PUMP

TECHNICAL DATA

Max. suction height [m]	2 (6.6ft)
Pump body	PPS (Ryton)
Pump rotor	Stainless steel
Seal	EPDM / Viton
Pressure security	Bypass valve
Motor speed	1450 / r.p.m
Motor connection	Lock ring or flange

PERFORMANCES





CONDENSATE WATER PUMPS

In 1998, after various partnerships with condensate pumps manufacturers, we decided to develop our own range of HVAC pumps. With its extensive mechanical and electronic experience, our sister company Eckerle Technologies GmbH develops and produces electronics and detection systems; today we have reliable and quiet pumps. We have the advantage of being the only producer in the world to develop and produce the essential components of our system internally, in house. Moreover, our wide variety of pumps suit all types of installations: air conditioning, refrigeration, fan coils, gas boilers and oil boilers.



FREEZY

54'000BTU



TATTOO 5/10/16

TATTOO 5 · 12'000BTU
TATTOO 10 · 24'000BTU
TATTOO 16 · 48'000BTU



FW45

120'000BTU



GO10

24'000BTU



RAPIDO KIT/RAPIDO8

24'000BTU



EE400

24'000BTU



GO500

24'000BTU



GO200

24'000BTU



HIGH-LIFT

24'000BTU



OIL LIFTERS

The oil lifter is the main product marketed by Gotec. Known for decades for its reliability and the resistance of its materials in contact with fuel oil, this pump has involved into two different types: the suction pump and the pressure pump. Both transfer the oil to the boiler or the stove. Today, Gotec is proud to continue the production of this so-called traditional pump, which significantly contributed to building our reputation in the field of engineering.



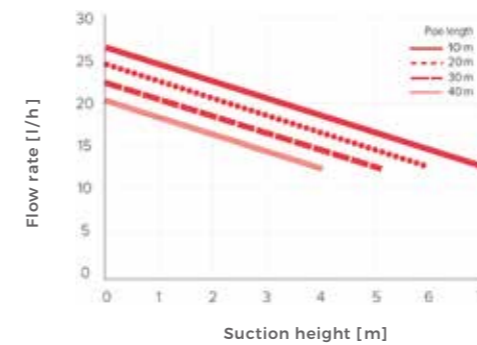
SP32-01

SUCTION PUMP
UP TO 100KW

TECHNICAL DATA

Dimensions [mm]	217x168x255
Weight [kg]	2
Power	45 VA
Voltage	230V/50Hz

PERFORMANCES



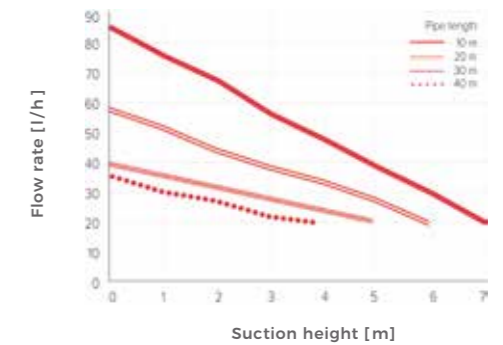
SP32-02

SUCTION PUMP
UP TO 500KW

TECHNICAL DATA

Dimensions [mm]	400x230x320
Weight [kg]	7
Power	90 VA
Voltage	230V/50Hz

PERFORMANCES





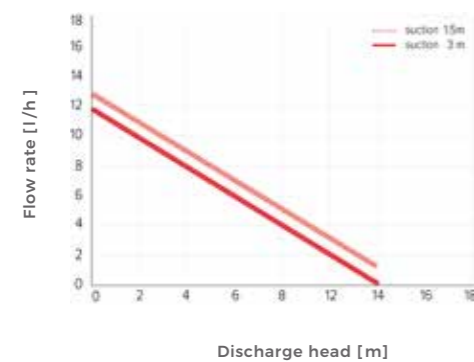
KD10

PRESSURE PUMP
UP TO 80KW

TECHNICAL DATA

Dimensions [mm]	180x150x280
Weight [kg]	4.2
Power	45 VA
Voltage	230V/50Hz

PERFORMANCES



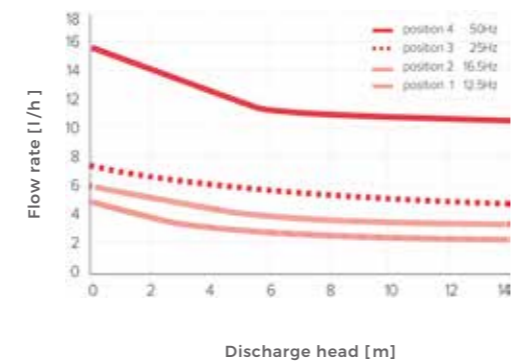
SK9E/FP8E

PRESSURE PUMP
UP TO 50KW

TECHNICAL DATA

Dimensions [mm]	180x98x200
Weight [kg]	1.8
Power	45 VA
Voltage	230V/50Hz

PERFORMANCES



EKF15-25NB+NB50

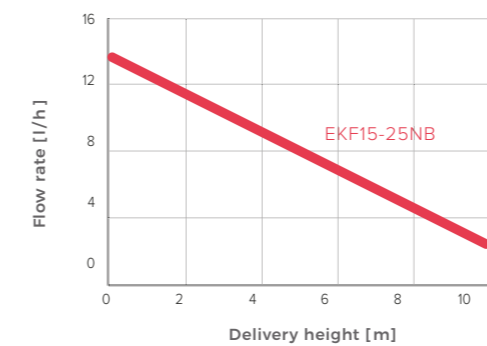
CONDENSATE PUMP
UP TO 100KW

TECHNICAL DATA

Dimensions [mm]	244x174x261
Weight [kg]	3.2 (with granules)
Power	45 VA
Voltage	230V/50Hz

NB50 - Neutralisation container without pump

PERFORMANCES



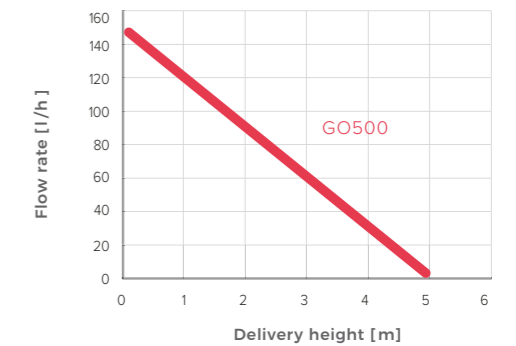
GO500

CONDENSATE PUMP
UP TO 400KW

TECHNICAL DATA

Dimensions [mm]	250x140x110
Weight [kg]	2
Power	58 VA
Voltage	230V/50Hz

PERFORMANCES





RESEARCH & DEVELOPMENT

ASSEMBLY LINE

Our R&D department develops not only products but also assembly lines. This allows us to master our product and provides a 360 view of the entire manufacturing process. For more than 20 years, we have been developing our own production tools. The final assembly of the pump is carried out on state-of-the-art test benches produced by Gotec. Each pump is fully tested according to Gotec's criteria or our customers. Control criteria: electrical safety, tightness of pump, valve operation, self-priming and performance under open flow and maximum pressure, flow rate and pressure of operating point, and power consumption.

PWM - DC DRIVE

Gotec has launched a new PWM solution – Plug&Play electronic system to drive ET, EK or EM pump with 24VDC. This electronic converts DC tension in a pulsed tension; value of frequency and duty cycle are fixed. Flow can be adjusted via input voltage. Voltage range: 10 to 30 VDC. New PWM has a very compact design. For ET and EK pump, there are two different ways to connect, first with a special designed connector which can be completed with PWM or simply with cables (female and male faston terminal 6.35x0.8mm).

PWM can be fixed on all types of pump. If you have any requirements or need further information, don't hesitate to ask us.



AIO 2.0 - HEATING PUMP

Gotec adds more values to our pumps, our AIO (All In One) system is the proof.

The AIO 2.0 is a technological and economic improvement of the original AIO system. Like the AIO, this new system can also produce hot water at 95°C, but also it produces steam (dry and wet).

It is an ecological compact system that fits in one hand! This product can be used in any type of application where it is necessary to heat or to maintain a fluid temperature or to create steam.





 **Gotec**

www.gotec.ch

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230V 50Hz

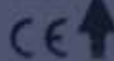
40W

EKS 17-TP/B


Art : 114724


No : 19086002445


100% ED
Class H



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