Gotec

Welcome

TO OUR WORLD, THE WORLD OF PUMPS



SWISS MADE

MISSION

Established in 1964, Gotec SA is a family business with a strong know-how in the field of solenoid pumps in Switzerland. We have since developed several products based on our know-how in the fields of air conditioning (HVAC) and heating (ZÖV). Gotec S.A. is known as a solid, innovative, flexible, and reliable supplier.

We offer high quality turnkey solutions to the market.
Every single day, we care about the needs of our customers and partners. This is how we achieve customer satisfaction.
We maintain a sales network on 5 continents through reliable and flexible partners.





VISION

To continue our expansion in the field of solenoid pumps and vane pumps.
To create added value on our pumps by integrating additional features and by developing and producing our own assembly lines.
To continue to produce “plug and play” systems for the air conditioning and heating industry
Providing innovative and sustainable technological solutions that meet customers’ growing needs.
To support our employees in their involvement in our evolution : progress of markets, tools, internal and external changes in the professional world.

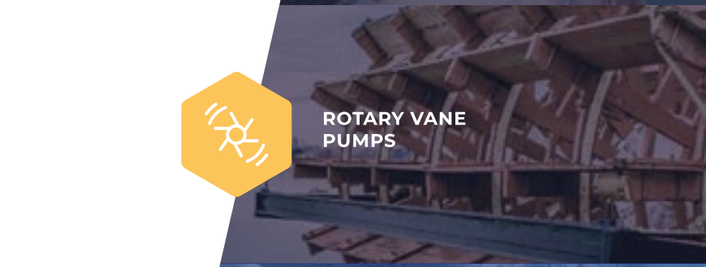
Certifications

APPLICATIONS

Gotec S.A. can provide solutions in the fields of applications such as : cleaning machine, food and beverage 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.

SWISS MADE











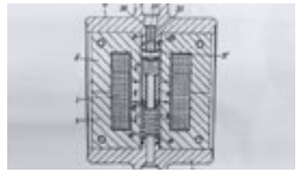
HISTORY

8 MARCH 1915
Birth of Mr. Otto Eckerle
in Otterweiser



1935
Creation of the first
company, Eckerle Gmbh, in
Malsh

1950 - 1960
First solenoid piston pump



1964
Creation of Gotec SA
in Sion, Switzerland



1984
Start of partnership
with Kärcher for
solenoid pumps

1990
First extension of the factory

1994
Production of the mini pump



1998
Second extension
of the factory



2001-2002
Re-engineering of oil liters



2008
Development AIO
(All In One) system



2014
50 years of Gotec SA

2016
Developement of
heating system

2017
Re-engineering ET & EK pumps



2019
Development PWM

2020
Move to new production plant



2021
24VDC solenoid pumps



2023
VP 100M rotary vane pump



2024
60 Years anniversary



2025
Membrane pumps



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 PH0 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 12/24/120/230V 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.

COMPATIBLE MATERIALS

Large choice of materials for valves and O-rings: NBR, EPDM, FKM, 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.

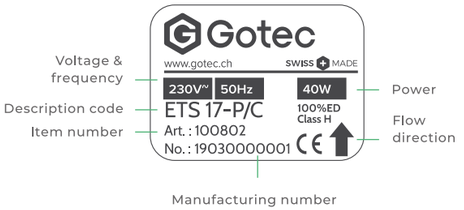
OEM - CUSTOMIZED PUMP

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.

DESCRIPTION CODE

Short explanation about the description code of the pumps

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 (230-120-36-24-12VAC...)
50	Frequency (50-60Hz)

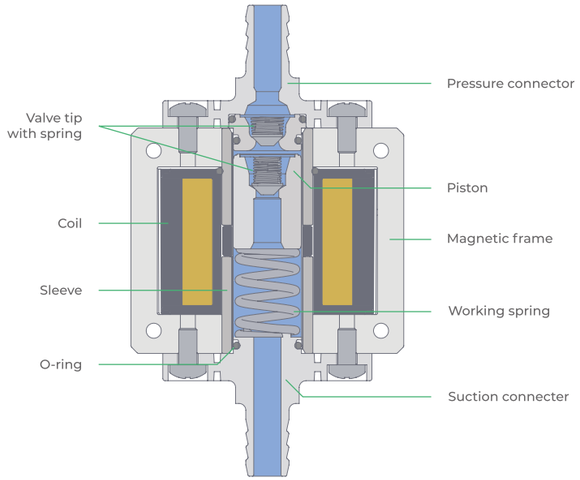


HOW TO WORK SOLENOID PUMPS

3D VIEW OF A SOLENOID PUMP



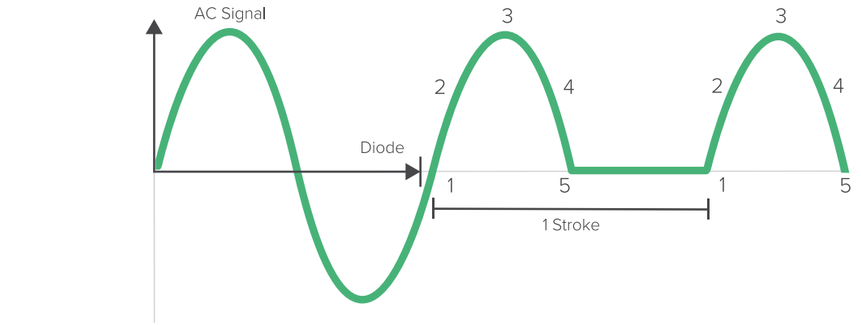
TECHNICAL FEATURES

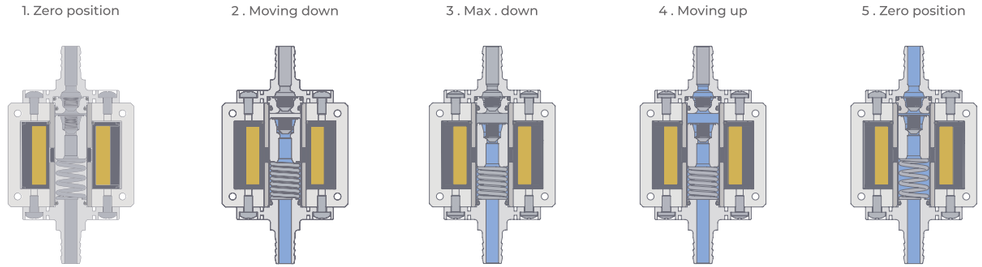


HOW IT WORKS

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





SOLENOID PUMPS



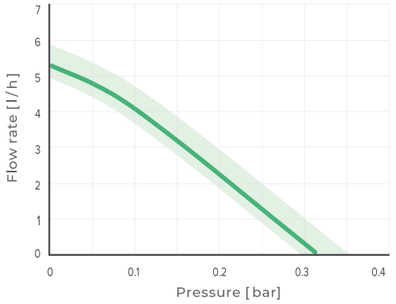
ES

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





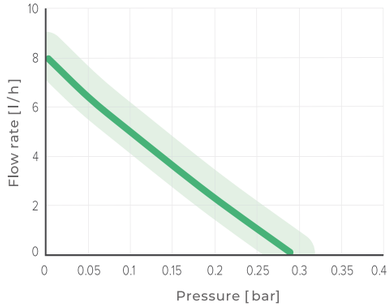
ED

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





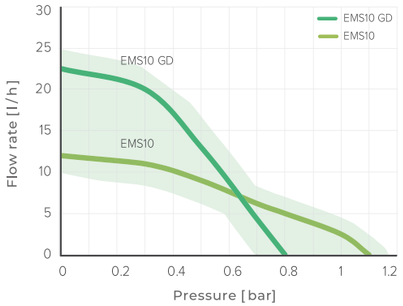
EMS

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]	1 (3.2ft)	
Power consumption [W]	18	
Dimensions [mm]	23x43x76 (0.9x1.69x3in)	
Hydraulic connection [mm]	Ø8 (0.31in)	

PERFORMANCES





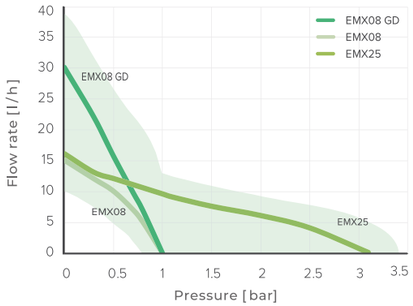
EMX

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]	1 (3.2ft)	1 (3.2ft)	0.1 (0.32ft)
Power consumption [W]	18		
Dimensions [mm]	23x43x76 (0.9x1.69x3in)		
Hydraulic connection [mm]	Ø8 (0.31in)		

PERFORMANCES



SOLENOID PUMPS



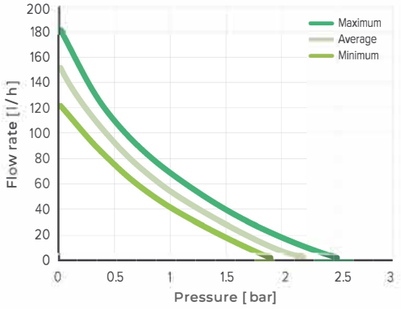
EK

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





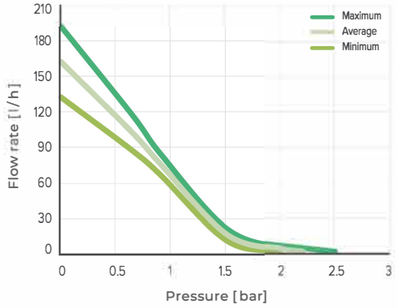
ET

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



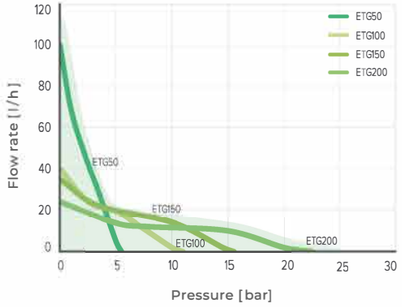


ETG

ETG50 - ETG100 - ETG150 - ETG200

TECHNICAL DATA	ETG50	ETG100	ETG150	ETG200
Max. Flow rate [l/h]	90 (24g/h)	35(9.2g/h)	30(8g/h)	20(5.3g/h)
Max. Pressure [bar]	5 (73psi)	10(145psi)	14.5(210psi)	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



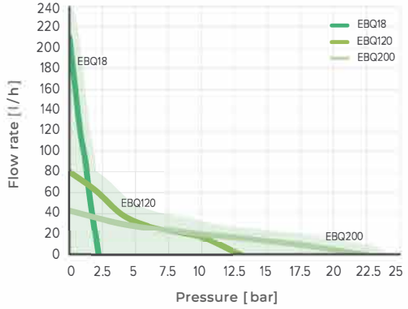


EB

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



MEMBRANE PUMPS

To meet market demand, we have decided in 2022 to develop and produce membrane pumps with an Asian partner.

The pumps will be produced in Asia and tested in Switzerland according to the specification requested by the customer.

Thanks to our partner's expertise, combined with our mechanical and electronic knowledge, we have developed top-of-the-range diaphragm pumps that stand out for their durability and efficiency.

These pumps are used for battery-powered equipment, ink, medical applications and many others.

Are you looking for a reliable, high-performance solution for your installations? Rely on our expertise and our unique know-how built up over more than 60 years!

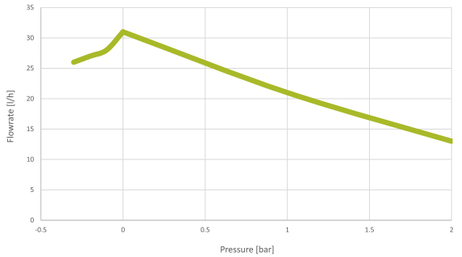


MP 30/20

TECHNICAL DATA

Max. pressure	2 [bar]
Max. flow rate	30 [l/h]
Suction height	-0.3 [bar]
Voltages	12 [VDC]
Weight	65 [g]
Operating Temperature	1...45 [°C]
Pump head	PPO / PA
Membrane / valves	EPDM

PERFORMANCES



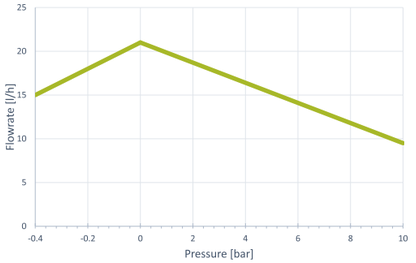


MP 20/100

TECHNICAL DATA

Max. pressure	10 [bar]
Max. flow rate	20 [l/h]
Suction height	-0.3 [bar]
Voltages	12 [VDC]
Weight	136 [g]
Operating Temperature	1...45 [°C]
Pump head	PPO / PA
Membrane / valves	EPDM

PERFORMANCES



ROTARY VANE PUMPS

VP are self-priming rotary vane pumps with a high accuracy flow rate. We propose 2 ranges of rotary vane pumps: tecnopolymer (PPS) and stainless steel. With the PPS pumps at speed of 1500rpm, the pump achieves a flow rate of at least 400l/h (105gph) on the allowed pressure range 0 to 16bar (232psi). With the stainless steel pump at speed of 2000pm, the pump achieves a flow rate of at least 120l/h (32gph) on the allowed pressure range 0 to 10bar (145psi).

Either with a body made of glass fiber reinforced (PPS) or stainless steel, bearing and vanes in graphite, Stainless steel for the rotor ensure a high resistance handling most liquids on the market. The integrated bypass valve protects the pump from temporary overpressure. The VP pumps are designed to be efficient, durable and has a low noise level (<52dBA). The pumps are NSF, CE, CE 1935/ 2004, CE 10/2011, DGCCRF, DM21/03/73, DPR 777/1982, DM 72/2019 and GB 4806 listed.



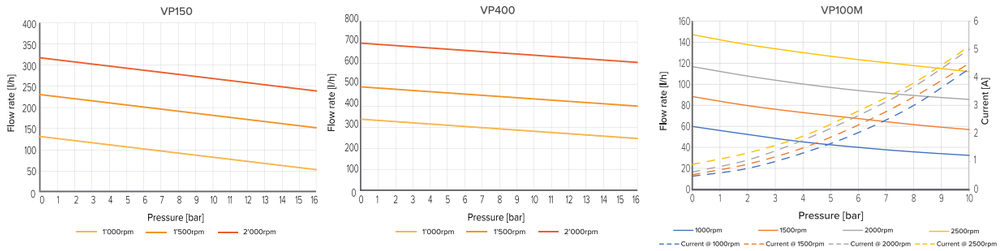
ROTARY VANE PUMP

TECHNICAL DATA

Max. pressure	
VP150 & VP400	16 [bar]
VP100M	10 [bar]
Max. flow rate	
VP150 & VP400 (at 1'500rpm)	≥ 400[l/h]
VP100M (at 2'000rpm)	≥ 120[l/h]
Pump body	
VP150 & VP400	PPS (Ryton)
VP100M	Stainless steel AISI304
Hydraulic connectors	
VP150 & VP400	G 3/8''
VP100M	G 1/4''
Rotor	Stainless steel
Bearings & Vanes	Graphite

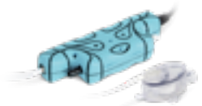
Sealings	
VP150 & VP400	EPDM / FKM
VP100M	EPDM/FKM/FFKM
Overpressure security	Bypass valve
Motor connection	Clamping collar
Weight	
VP150 & VP400	~490[g]
VP100M	~470[g]
Fluid Temperature	1...70 [°C]
Motors	
VP150 & VP400	24VDC/100V/120V/ 230V single phase/400V
VP100M	24VDC brushless & brushed

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.



TATTOO 5 / 10 / 16

TATTOO 5 · 12'000BTU
TATTOO 10 · 24'000BTU
TATTOO 16 · 48'000BTU
Max. Flow rate : 16 l/h
Max. delivery height : 9m



FREEZY

54'000BTU
Max. Flow rate : 20 l/h
Max. delivery height : 10m



TOUCHLINE

24'000BTU
Max. Flow rate : 10 l/h
Max. delivery height : 8m



RAPIDOKIT

24'000BTU
Max. Flow rate : 10 l/h
Max. delivery height : 8m



RAPIDO8

24'000BTU
Max. Flow rate : 10 l/h
Max. delivery height : 8m



FW45

120'000BTU
Max. Flow rate : 45 l/h
Max. delivery height : 15m



EE400NEO

24'000BTU
Max. Flow rate : 350 l/h
Max. delivery height : 3.5m



EE300

24'000BTU
Max. Flow rate : 200 l/h
Max. delivery height : 4m

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.



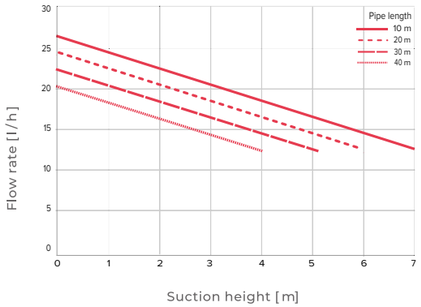
SP32-01

SUCTION PUMP
UP TO 100KW

TECHNICAL DATA

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

PERFORMANCES





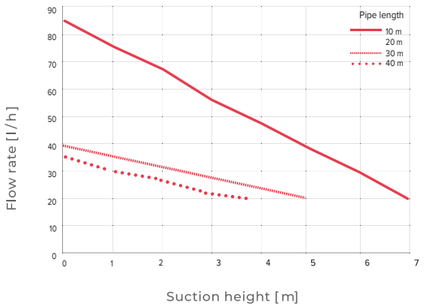
SP32-02

SUCTION PUMP
UP TO 500KW

TECHNICAL DATA

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

PERFORMANCES



OIL LIFTERS



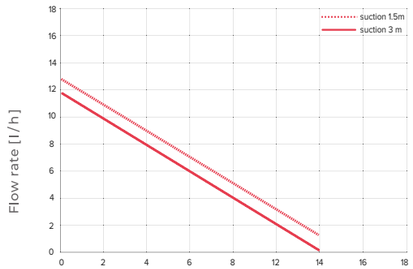
KD10

PRESSURE PUMP
UP TO 80KW

TECHNICAL DATA

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

PERFORMANCES





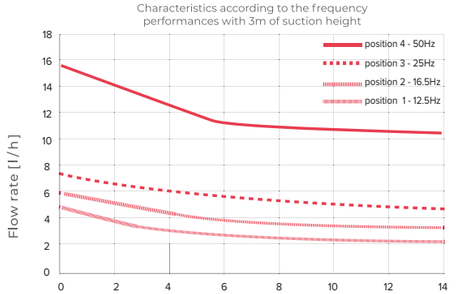
SK9E/FP8E

PRESSURE PUMP
UP TO 50KW

TECHNICAL DATA

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

PERFORMANCES





EKF15-25NB+NB50

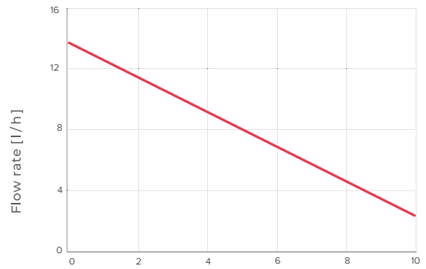
CONDENSATE PUMP
UP TO 100KW

TECHNICAL DATA

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

NB50 - Neutralisation container without pump

PERFORMANCES





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