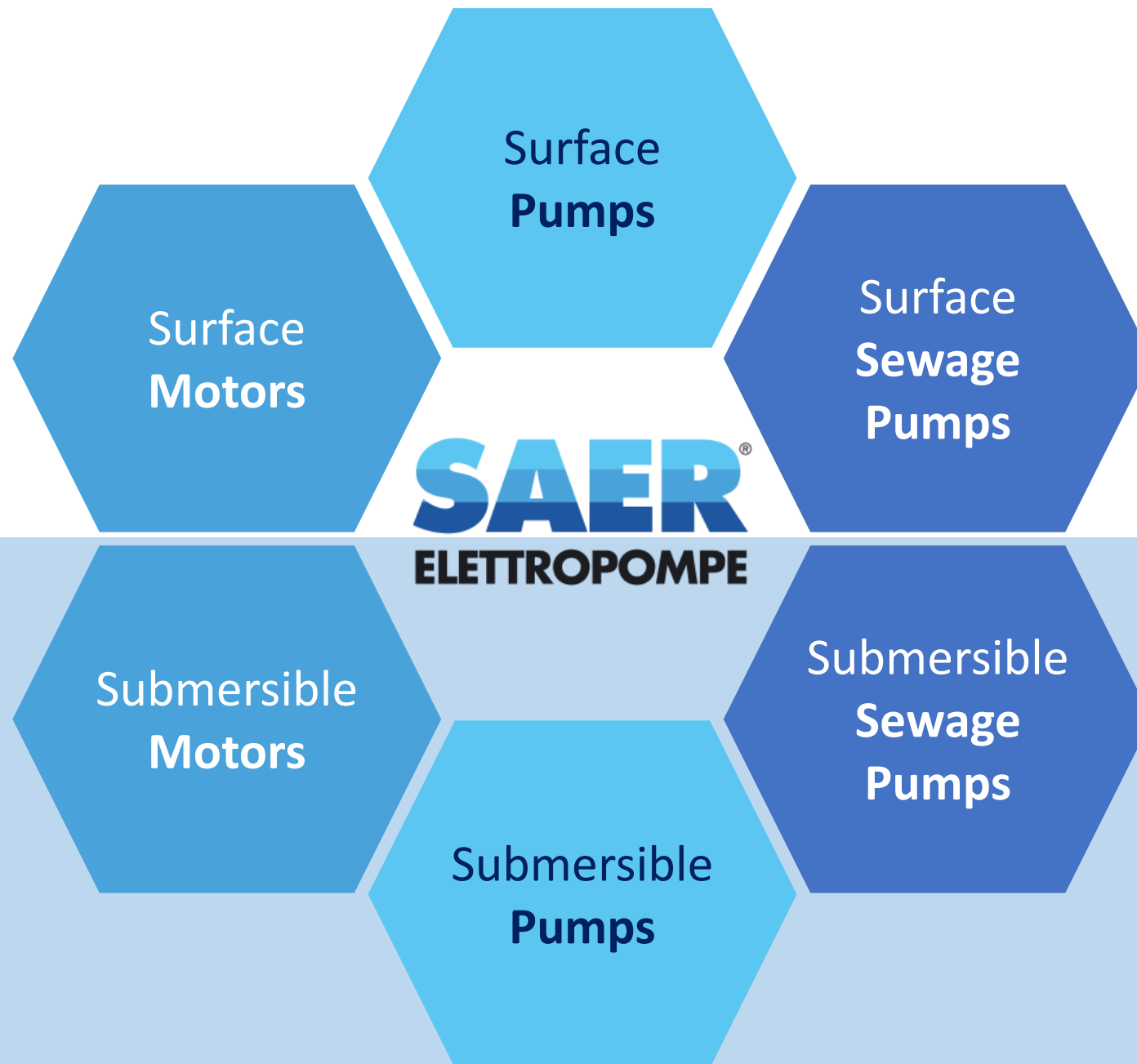


## PRODUCT RANGE – OVERVIEW



HVAC  
HVAC  
HVAC



CIVIL  
Civile  
Civil



INDUSTRIAL  
Industriale  
Industrial



AGRICULTURE AND  
IRRIGATION  
Agricoltura ed irrigazione  
Agricultura y riego



UNDERGROUND  
EXTRACTION  
Estrazione dal sottosuolo  
Extracción del subsuelo



MINING  
Minerario  
Mineria



O&G  
O&G  
O&G



WATER TREATMENT  
Trattamento acque  
Tratamiento aguas

END SUCTION



MULTI-STAGE



IN-LINE



SPLIT CASE



RETAIL



Surface  
Pumps

Surface  
Sewage  
Pumps

Surface  
Motors



MOTORS

SEWAGE

**SAER**  
ELETTROPOMPE

Submersible  
Motors

Submersible  
Sewage  
Pumps

Submersible  
Pumps

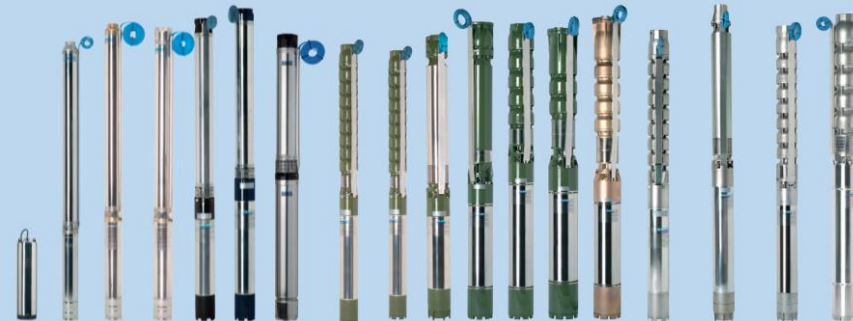


INVERTER  
PANELS  
CABLE  
ACCESSORIES



RADIAL

SEMI-AXIAL



IR



MG1



MG2



NCB



NCBK



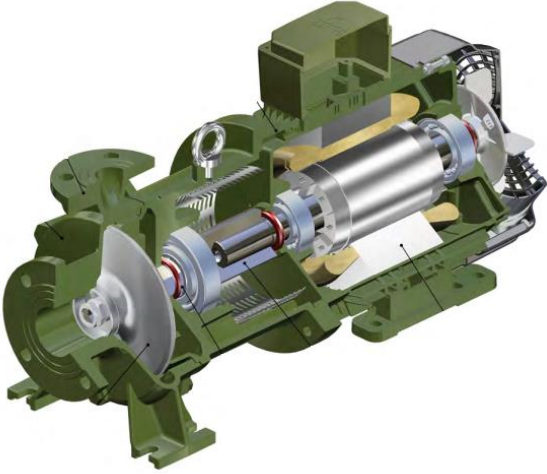
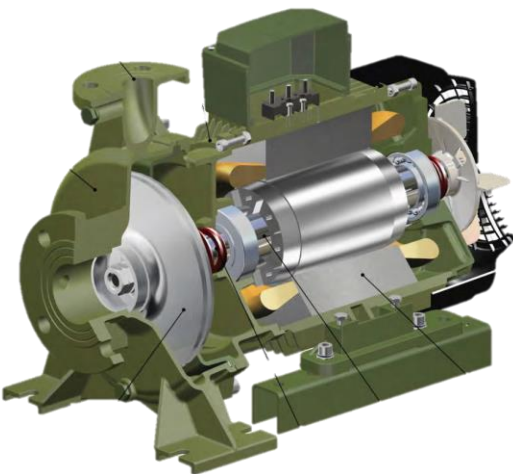
CLOSE-COUPLED

MONOBLOCK (SINGLE SHAFT)

STUB-SHAFT

LONG-COUPLED

FLEXYBLE COUPLING



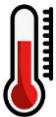
NCBZ - NCBKZ

End suction IR MG NCB NCBK Range



Range	Coupling	Connection	PN	Seal	STD Cast Iron	"X" AISI 316	"M" Bronze	"XSD" Super Duplex
IR	Mono-Block	Flanged	10/16	Mech.	211	211	211	211
MG	Stub-Shaft	Flanged	10/16	Mech.	211	211	211	211
NCB	Flex Coupling	Flanged	10/16	Mech.	206	206	206	206
NCBK	Flex Coupling	Flanged	16	Soft Packing	34	34	34	34

Total end suction models: 2648



OPERATING TEMPERATURE -15 +120°C

## Multi-stage Horizontal - OP Range

**SAER**<sup>®</sup>  
ELETTROPOMPE

- HIGH PRESSURE PUMPS
- PN10 – PN16
- LOW OPERATING COSTS



### ADVANTAGES

- Compact design
- Mechanical seal EN 12756
- **Close-coupled**
- Threaded connections
- VFD versions



Metallurgies

**AISI 316**

**AISI 304 - Cast Iron**



# Multi-stage Vertical – MKM MK Range

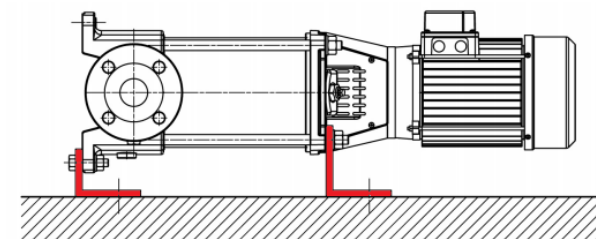
**SAER**<sup>®</sup>  
ELETTROPOMPE

200 models 50 / 60Hz  
DN 32, 40, 50, 65, 100  
PN16 – PN40



Mechanical seal EN 12756  
Double wear ring  
VFD versions  
Horizontal installation  
Over-sized shaft AISI431

HORIZONTAL INSTALLATION





Full AISI 316 version  
On all sizes



**Impellers**  
Precision casted  
AISI 316



**Diffusers**  
Precision casted  
AISI 316



**Outlet/Suction**  
Precision casted  
AISI 316



**Shaft**  
SS Duplex  
1.4362



**Mech. Seal**  
Q1U3VGG  
or U3U3VGG



## HEAVY DUTY high pressure pumps

150 models 50 / 60Hz

Flexible configuration

Wear rings – front & rear

Selection of SEALS and METALLURGIES

Metallurgies
Cast Iron
AISI 316
Super Duplex



TM		
42 models	<b>Q</b> max	<b>500 m<sup>3</sup>/h</b>
2/4 poles	<b>H</b> max	<b>330 m</b>
	<b>P<sub>2</sub></b> max	<b>400 kW</b>

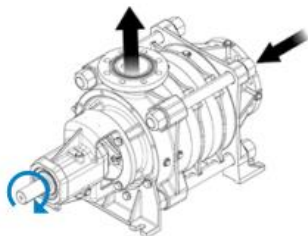


TMB		
70 models	<b>Q</b> max	<b>850 m<sup>3</sup>/h</b>
2/4 poles	<b>H</b> max	<b>610 m</b>
	<b>P<sub>2</sub></b> max	<b>710 kW</b>

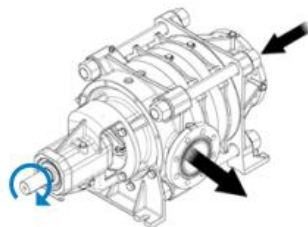


TMV		
45 models	<b>Q</b> max	<b>500 m<sup>3</sup>/h</b>
2/4 poles	<b>H</b> max	<b>210 m</b>
	<b>P<sub>2</sub></b> max	<b>200 kW</b>

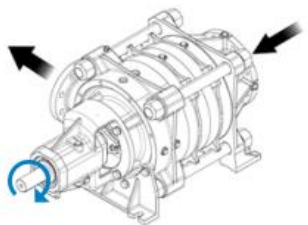
## TM



1



2

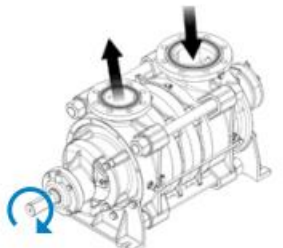


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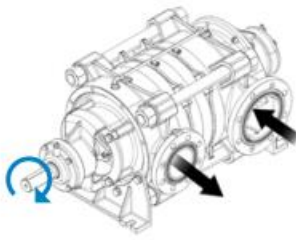
## TMB



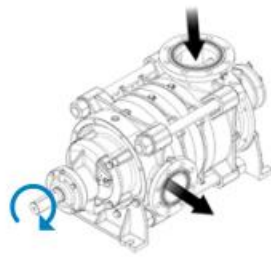
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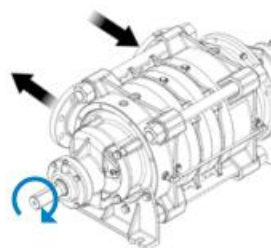
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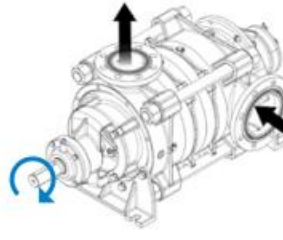
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2



5



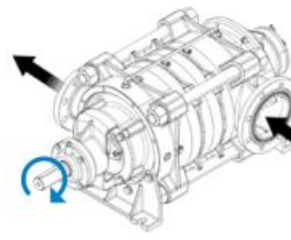
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3

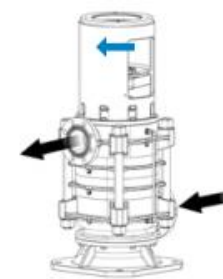


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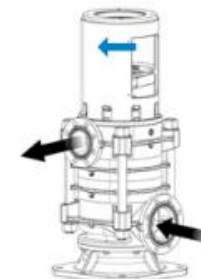


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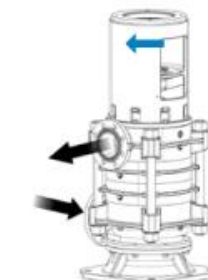
## TMV



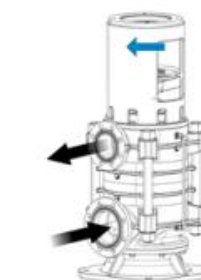
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2



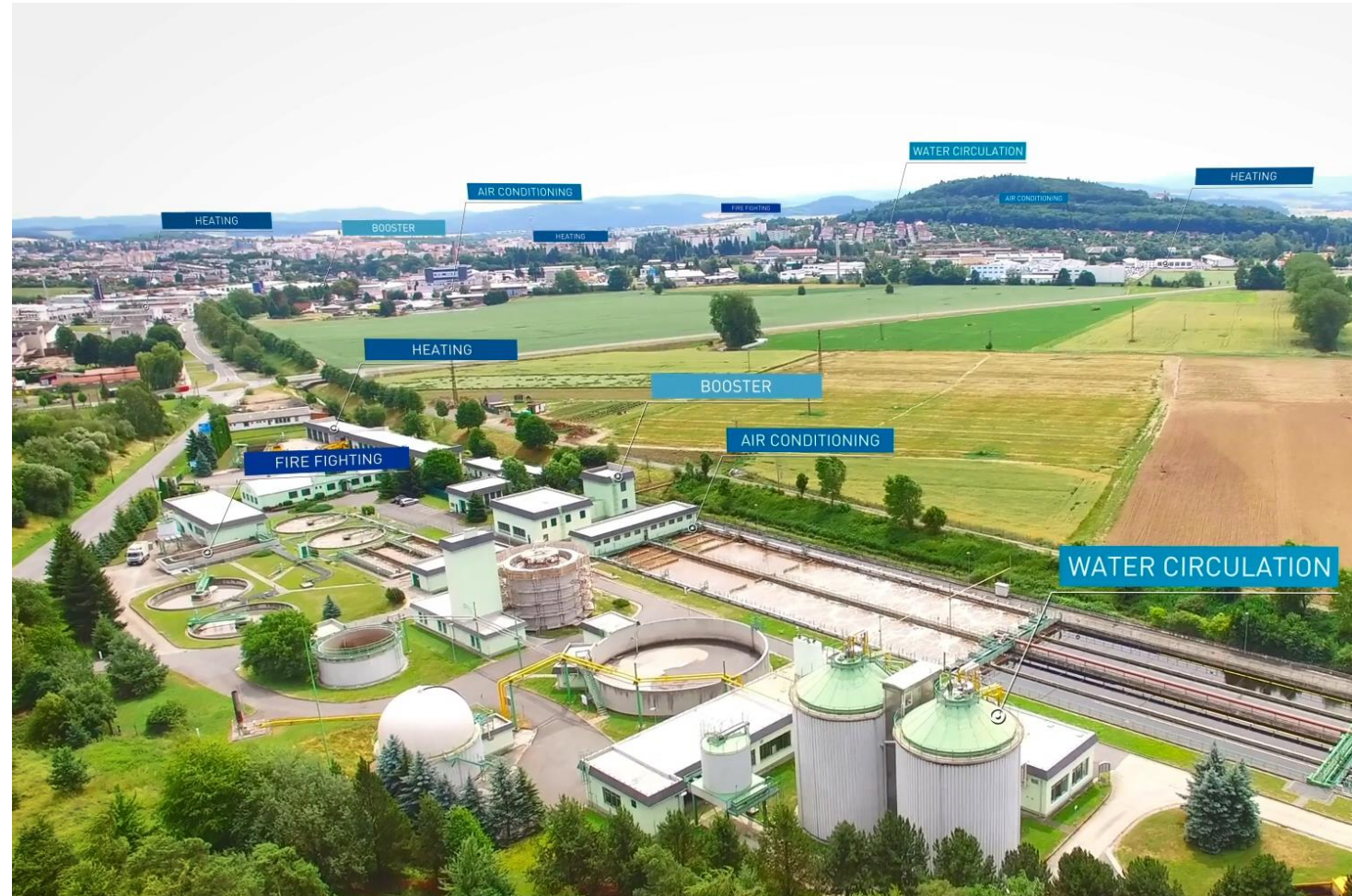
3



4

The RING-SECTION multistage pumps TM are used in:

- water plants supply
- water filtration (RO)
- irrigation systems
- systems of high pressure lifting
- in heating and conditioning systems
- refrigeration
- snowing
- cleaning
- in condensed extraction





In-line

L range

**SAER**<sup>®</sup>  
ELETTROPOMPE

CIRCULATING PUMPS

**PN16** - spheroidal CI

LOW OPERATING COSTS

Erp efficiency

Temp max **140°C**



SELECTION OF IMPELLER METALLURGIES

**VFD**

ON BOARD  
UP TO 15kW



VERTICAL  
INSTALLATION

- Split case body
- High efficiency
- Low NPSHr



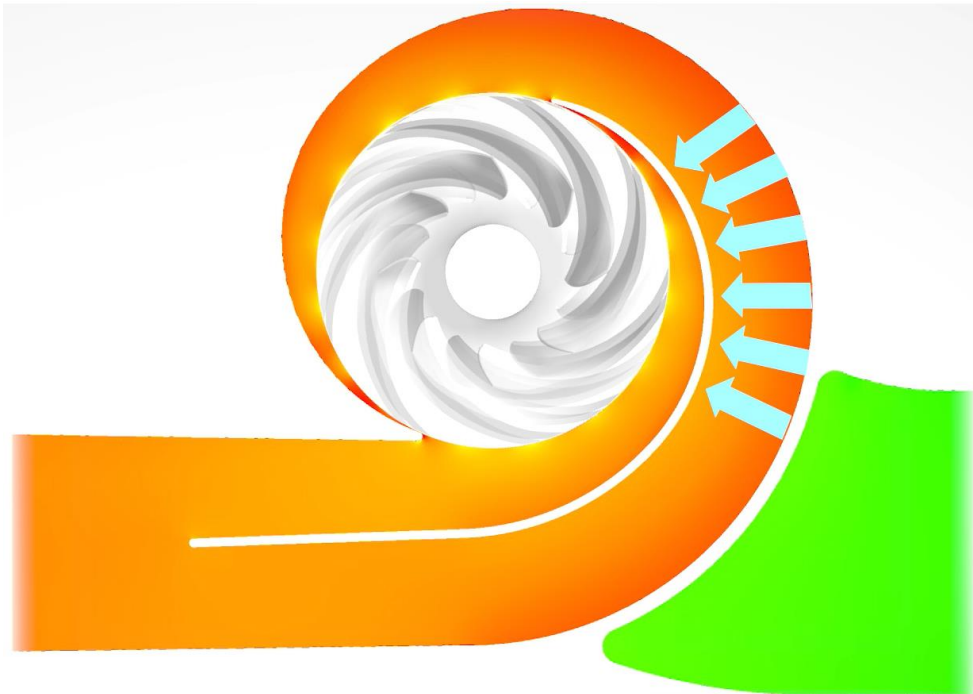
Double wear rings

- AISI 304
- AISI 316
- Bronze
- Tecno-polymer



## ADVANTAGES

- Double volute design
- Low vibration (low radial pressure)
- No shaft flexion







AISI 316



Bronze

Vertical  
installation



**SKD 250-630/2**

- 2 stages
- 1200 m<sup>3</sup>/h
- 310 m

The SKD split case pumps are suitable in:

- water plants supply
- irrigation systems
- systems of high pressure lifting
- in heating and conditioning systems
- refrigeration
- in condensed extraction
- fire fighting

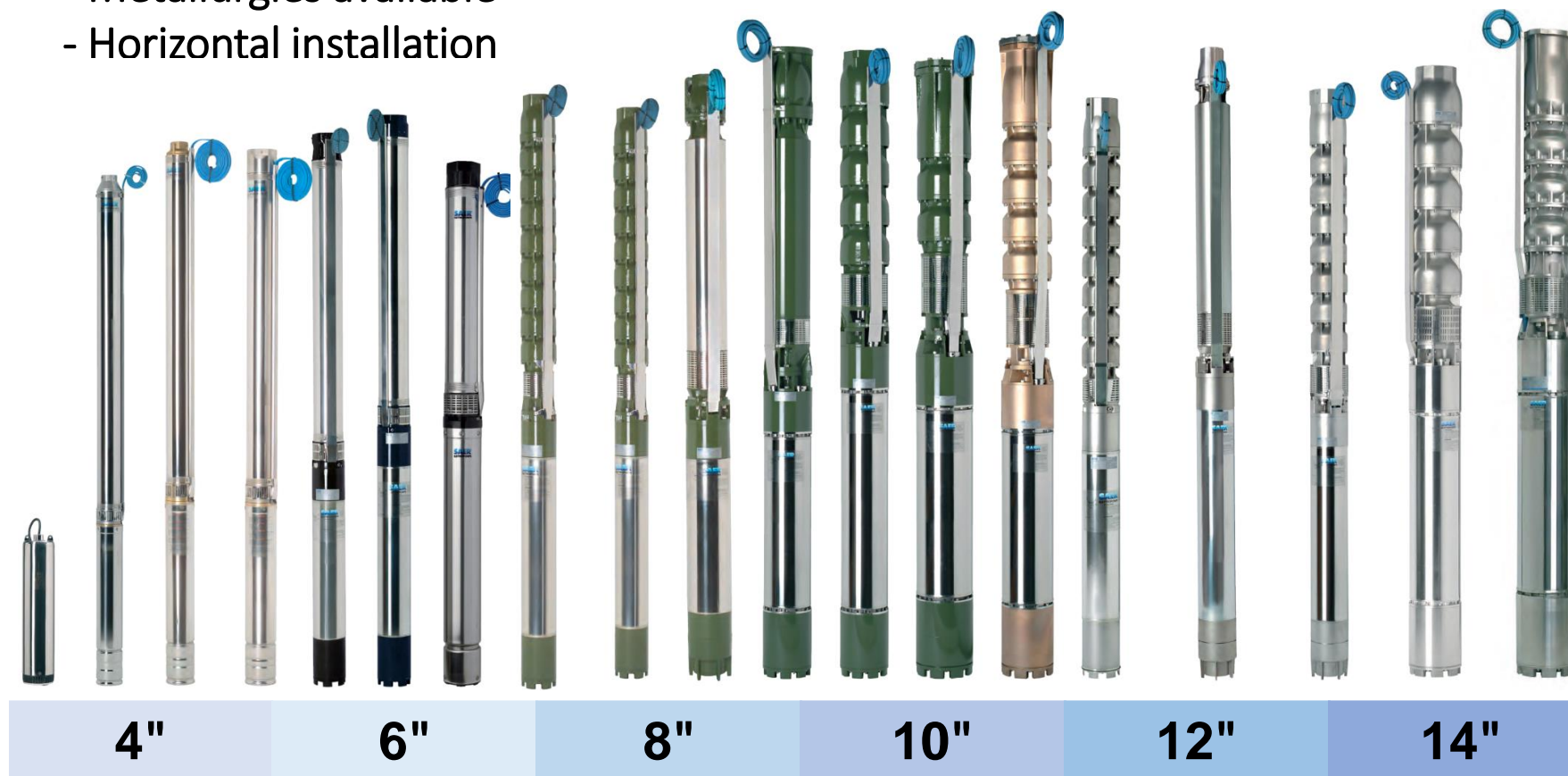
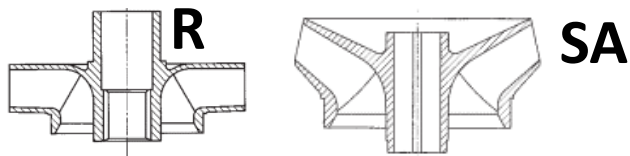




# Submersible Bore-hole range

**SAER®**  
Elettropompe

- Wide range 4" 6" 8" 10" 12" 14"
- Quality components
- Metallurgies available
- Horizontal installation



## Bore-hole pump Range

Q max	700 m <sup>3</sup> /h
H max	860 m
P <sub>2</sub> max	300 kW

**100% SAER**  
MANUFACTURING

# Submersible Pumps and motors

**SAER**<sup>®</sup>  
Elettropompe

Metallurgies
Cast Iron
Bronze
AISI 316
Super Duplex

## AVAILABLE

- Vertical & horizontal

## ACCESSORIES ON REQUEST

- Cooling shroud
- Connection adapter



## AVAILABLE

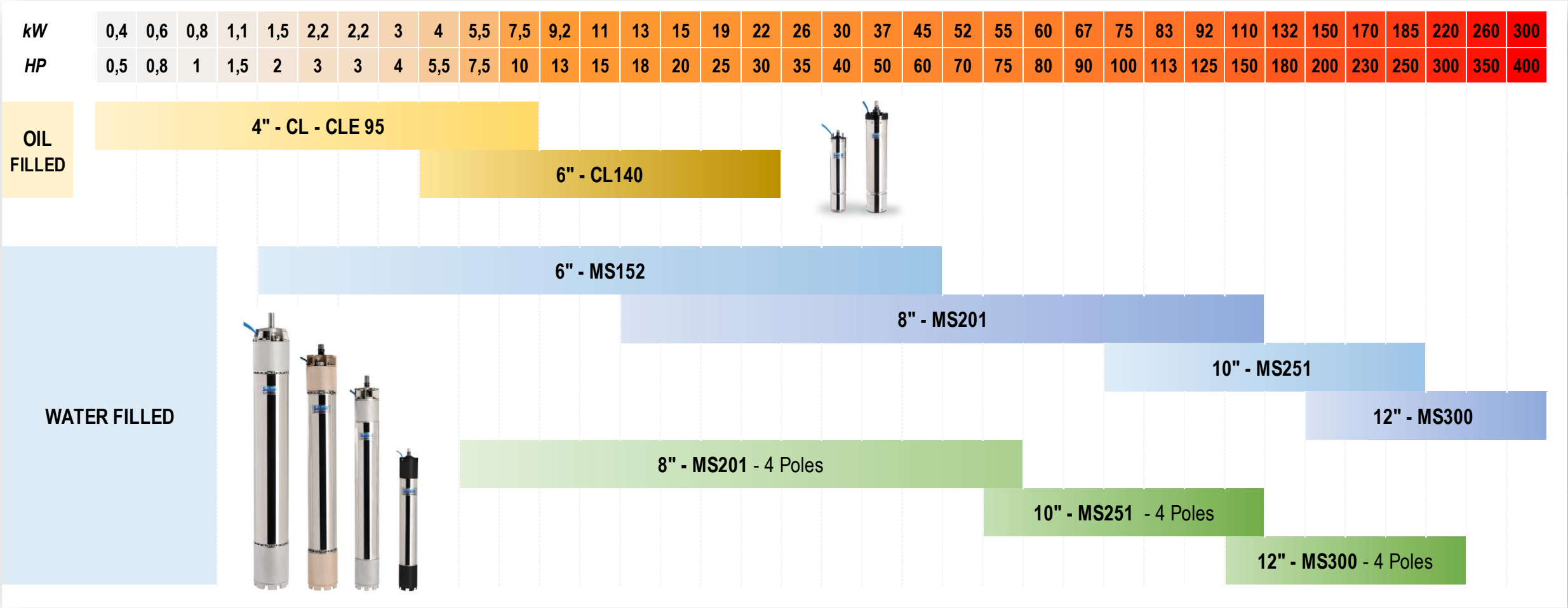
- Vertical & horizontal
- Re-windable

## ACCESSORIES ON REQUEST

- Control panel
- Cable



# Submersible Motors range overview



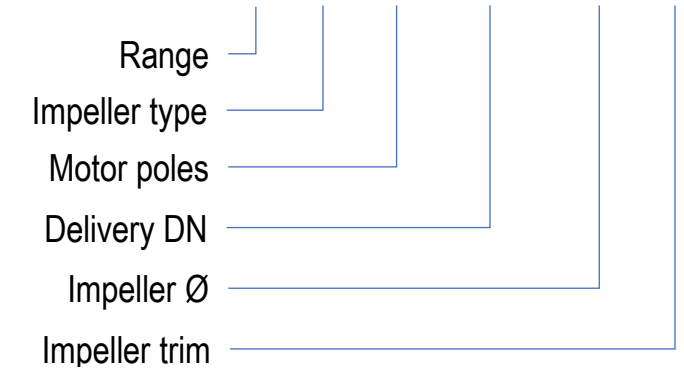
- 4 IMPELLER TYPE
- TOP PERFORMANCES - IE3
- EASY MAINTENANCE
- SUBMERSED USE

## ADVANTAGES

- free passage up to 100 mm
- Viscous liquids (up to 150 cSt)
- Double mechanical seal
- Class H insulation
- Wear disk
- HEAVY DUTY (100,000 hours bearings)
- Adjustable wear ring distance



**SD O 4P 150 - 200 A**



**O** open



**C** close



**P** propeller



**V** vortex



## WATER PROOF

Cable exit technology tested against water penetration up to 20 bars.

## CORROSION RESISTANT

Two-component epoxy paint against corrosion according to En 12944-6 grade c3-m.

## ENERGY SAVING

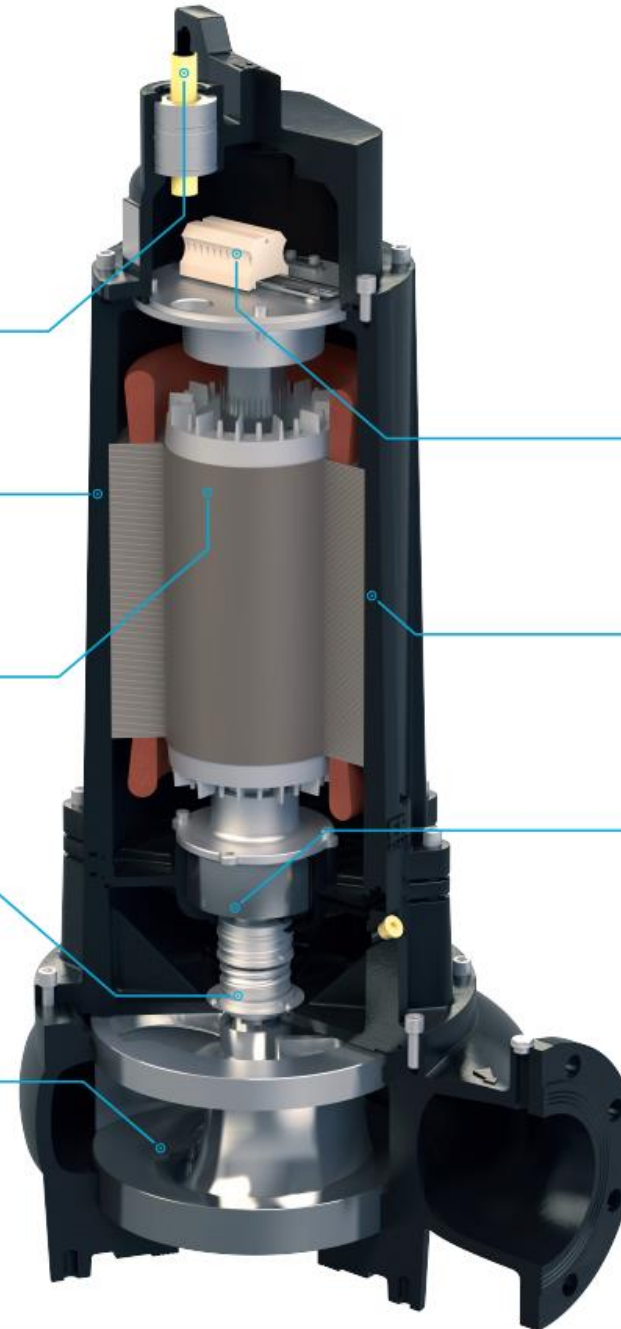
Saer premium ie 3 motors from 2,2 kW up to 55 kW, 2, 4 or 6 poles.

## SAFE

Exclusive double mechanical seal in oil chamber protection for trouble-free functioning. Protection probes for humidity, temperature, overheating, ...

## VERSATILE

Pump available in cast iron, aisi 316 and duplex. Several types of impellers availables. For submerged or dry installation.



## SMART

Terminal block studied for easy maintenance.

## RELIABLE

Heavy duty resistant materials for all components.

## RESISTANT

Long life bearings for average life by 100.000 hours, continuous running (MTBF)



**SUPPORT  
FOOT**



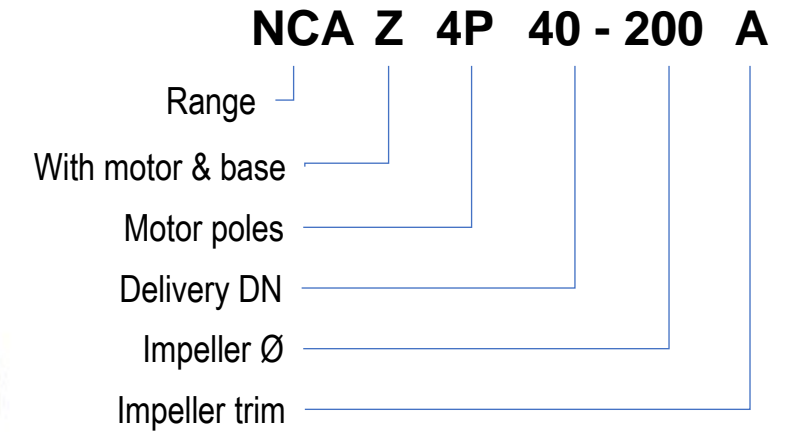
**SAER  
WATER  
DETECTOR**



**AUTOMATIC  
COUPLING  
SYSTEM**



- OPEN IMPELLER
- TOP PERFORMANCES
- LOW OPERATING COSTS



## ADVANTAGES

- free passage up to 100 mm
- Viscous liquids (up to 100 cSt)
- BACK PULL-OUT system
- HEAVY DUTY (oversized shaft and bearings)
- Adjustable wear ring distance



M Series



M Inox Series



BP Series



CF Series



KF Series



CM Series



CB Series



AP Series







**BRIO 2000-M**




**VFD**

 ON BOARD  
 UP TO 15kW

**SAER**

 Manufactures **Surface motors:**

- TEFC Normalized IEC 60034
- 50 – 60 Hz
- 2 and 4 poles
- 0,18 – 110 kW
- Mountings (EN 50347): **B3 B5 B14 B35**
- Efficiency class (IEC 60034-30): **IE1, 2, 3, 4**
- Single phase 1~ and three phases 3~

**50-60Hz**  
**2/4 poles**
**IE1 IE2 IE3 IE4**

**VFD**
**READY**  
 UP TO 55kW

MEC	71	80	90	100	112	132	160	180	200	225	250	280
IP	54*		55									
	*IP55 on request											



## SAER

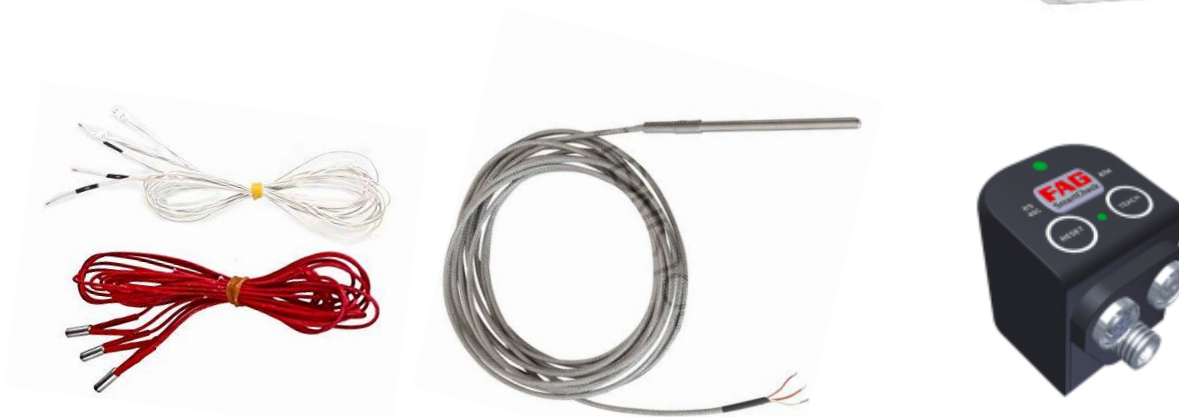
Offers a wide range of **control panel** for submersible and surface motors:

- Direct start (electromechanical or electronic)
- Star-delta
- Impedance start
- Soft start
- Inverter (VFD)

As well as **sensors**

- PTC
- PT100
- anti-condensation heaters
- Vibration sensors

*(to be requested at order confirmation)*



## 2 TEST ROOMS

Parameters up to:

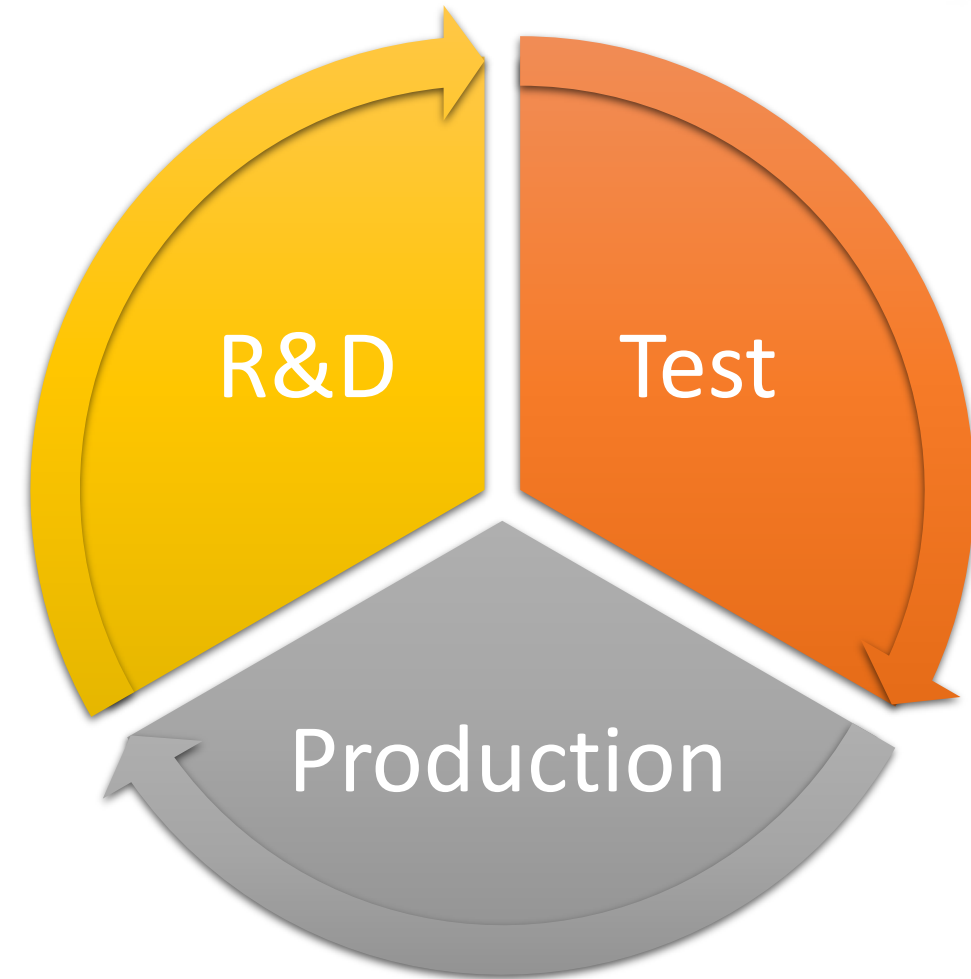
- 4500 m<sup>3</sup>/h flow
- 1500 kW power
- 100 bar pressure
- 1000V
- 50 / 60 Hz

## TESTS and Certificates

- Performance Q-H
- NPSHr
- Power, efficiency, Cos  $\varphi$
- Tolerances ISO 9906:2012
- Hydrostatic test
- Electrical test on motors
- Temperature measurements
- Noise measurements
- Vibration analysis
- Material certificate

The control of whole process  
**design to final tests**

confers to SAER products  
top reliability & long life span





**Stock**

**Quick delivery**

**Large stock of**

- Pumps
- Parts
- Motors

**SAFER<sup>®</sup>**  
Thank you for kind attention  
**ELETTROPOMPE**