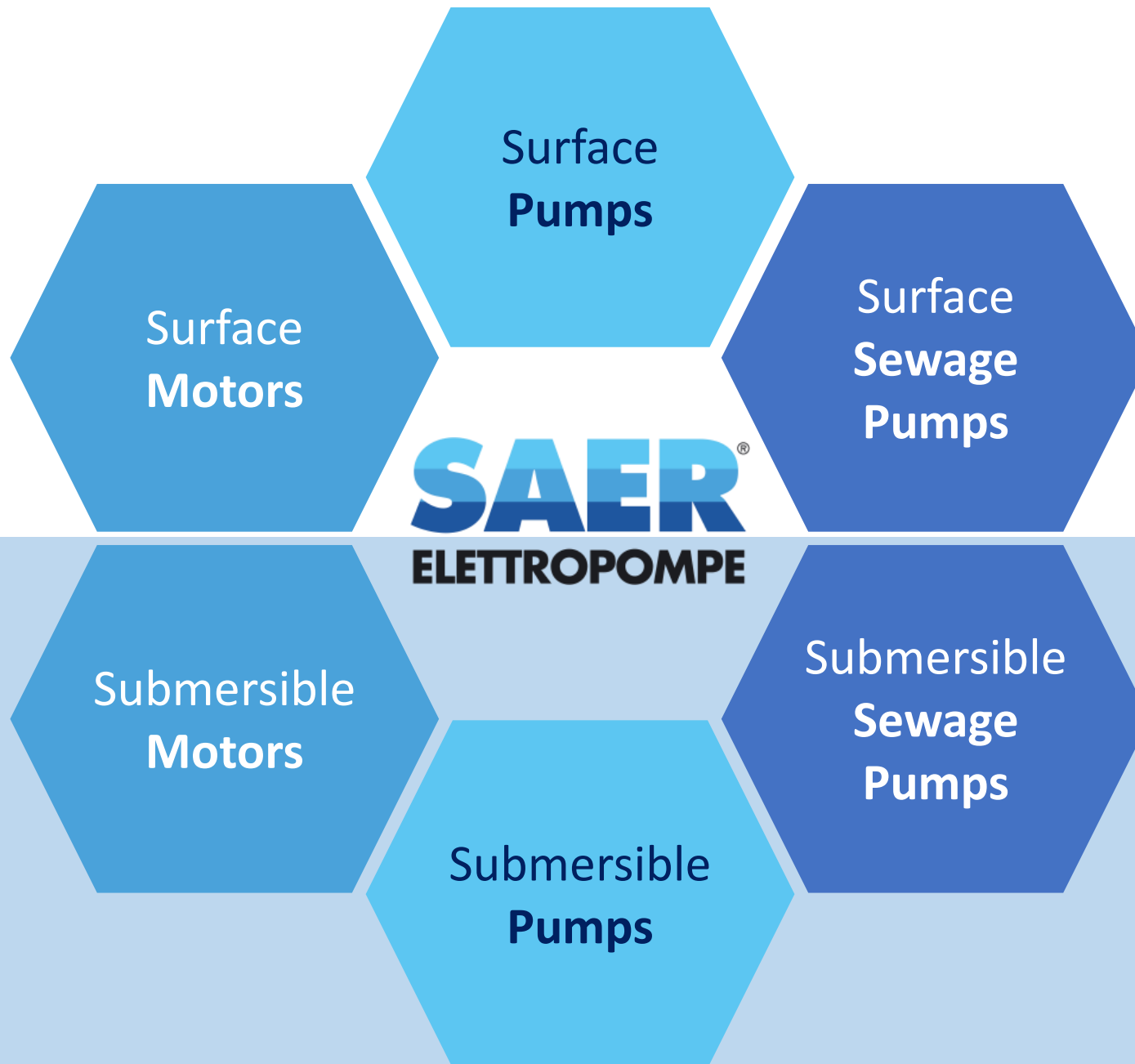




SAER[®]
ELETTROPOMPE

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



DOMESTIC



MOTORS

Surface Motors

Surface Pumps

Surface Sewage Pumps



SEWAGE

SAER
ELETTROPOMPE



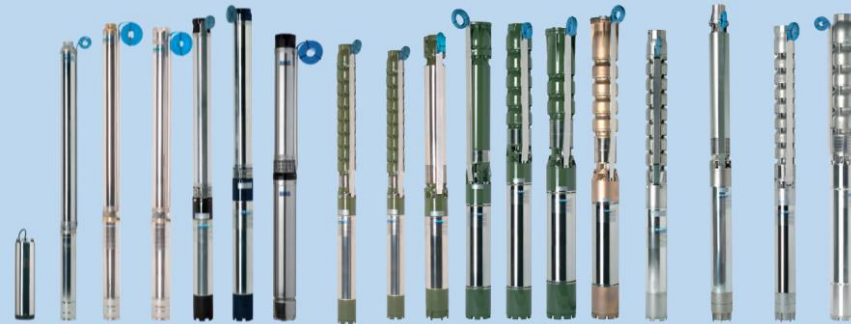
Submersible Motors

Submersible Pumps

Submersible Sewage Pumps



INVERTER
PANELS
CABLE
ACCESSORIES



RADIAL

SEMI-AXIAL

IR



EN
733

MG1



EN
733

MG2



EN
733

NCB



EN
733

NCBK



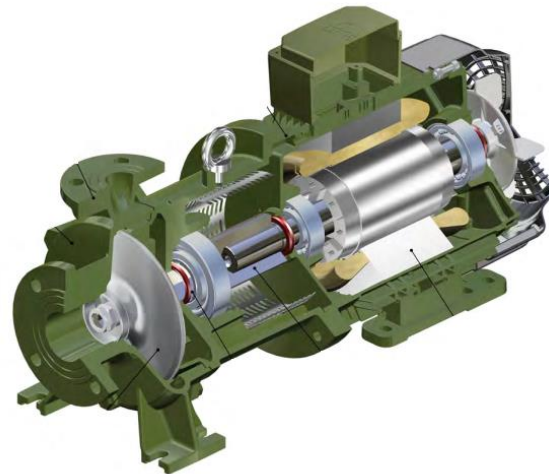
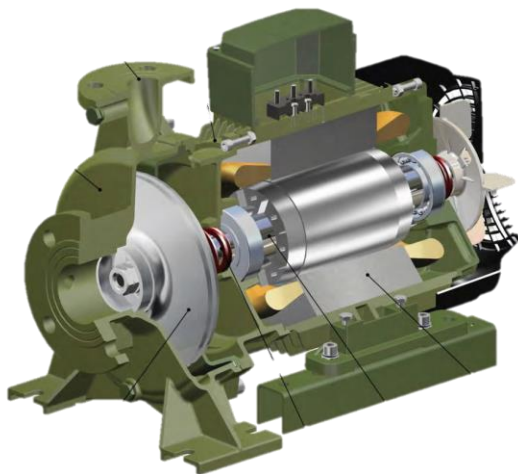
CLOSE-COUPLED

MONOBLOCK (SINGLE SHAFT)

STUB-SHAFT

LONG-COUPLED

FLEXYBLE COUPLING



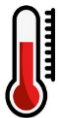
NCBZ - NCBKZ

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

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



ADVANTAGES

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

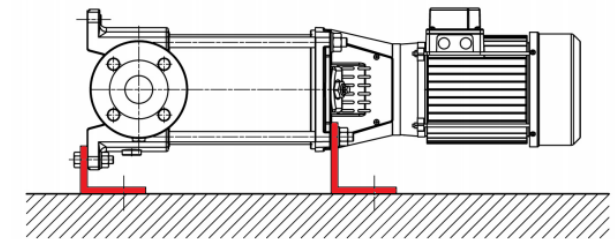


Metallurgies

AISI 316

AISI 304 - Cast Iron

HORIZONTAL INSTALLATION



Multi-stage Vertical – MKM MK Range

SAER[®]
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



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

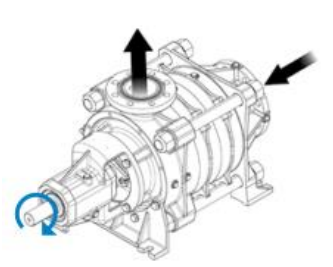


TM		
42 models	Q max	500 m³/h
2/4 poles	H max	330 m
	P₂ max	400 kW

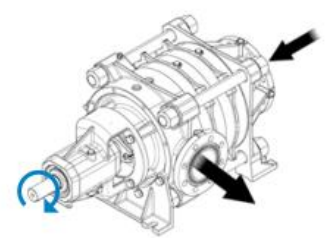
TMB		
70 models	Q max	850 m³/h
2/4 poles	H max	610 m
	P₂ max	710 kW

TMV		
45 models	Q max	500 m³/h
2/4 poles	H max	210 m
	P₂ max	200 kW

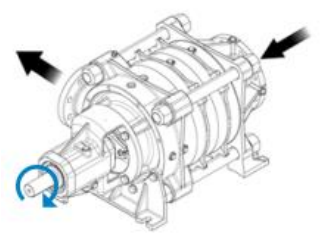
TM



1



2

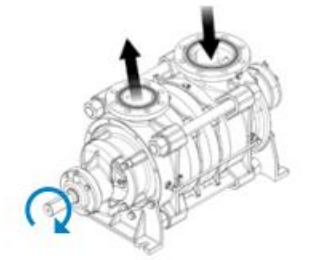


3

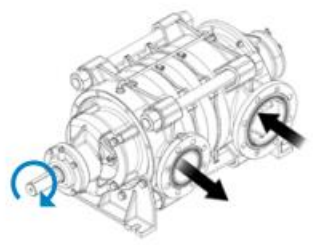
TMB



1



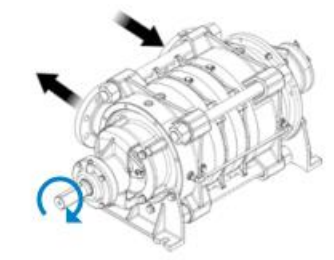
4



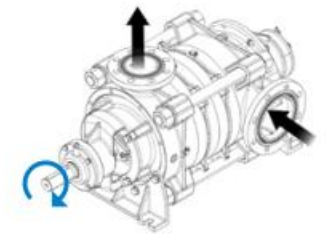
7



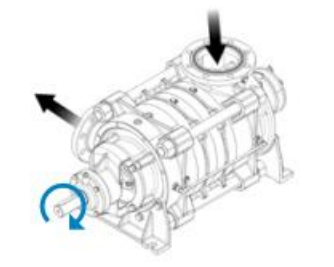
2



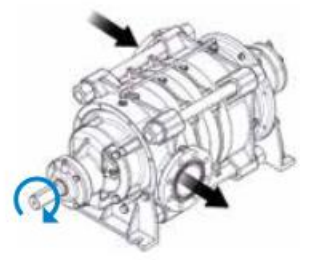
5



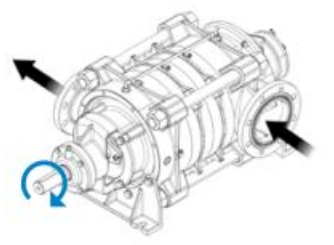
8



3

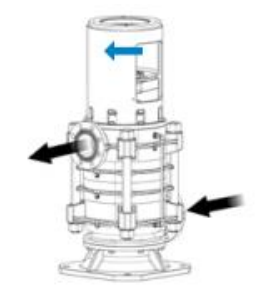


6

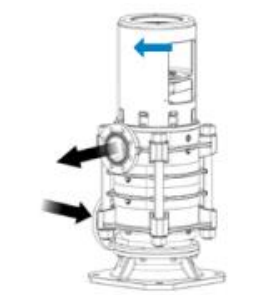


9

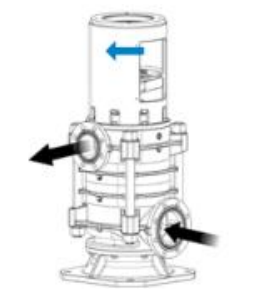
TMV



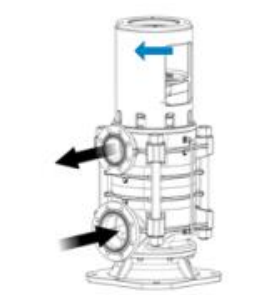
1



3



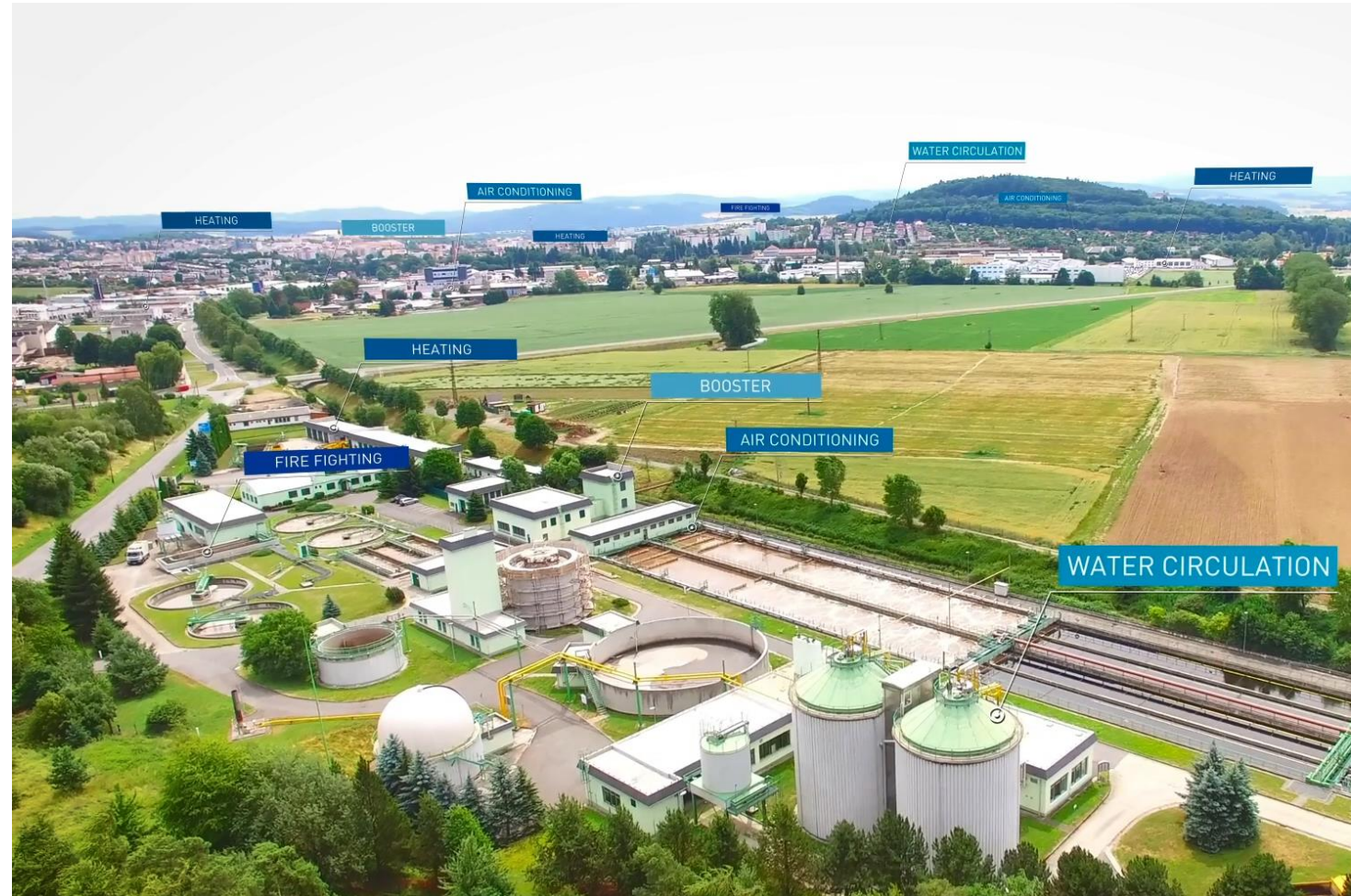
2



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



CIRCULATING PUMPS
PN16 - spheroidal CI
LOW OPERATING COSTS
Erp efficiency



SELECTION OF IMPELLER METALLURGIES

VFD
ON BOARD
UP TO 15kW



VERTICAL
INSTALLATION

- Split case body
- High efficiency
- Low NPSHr



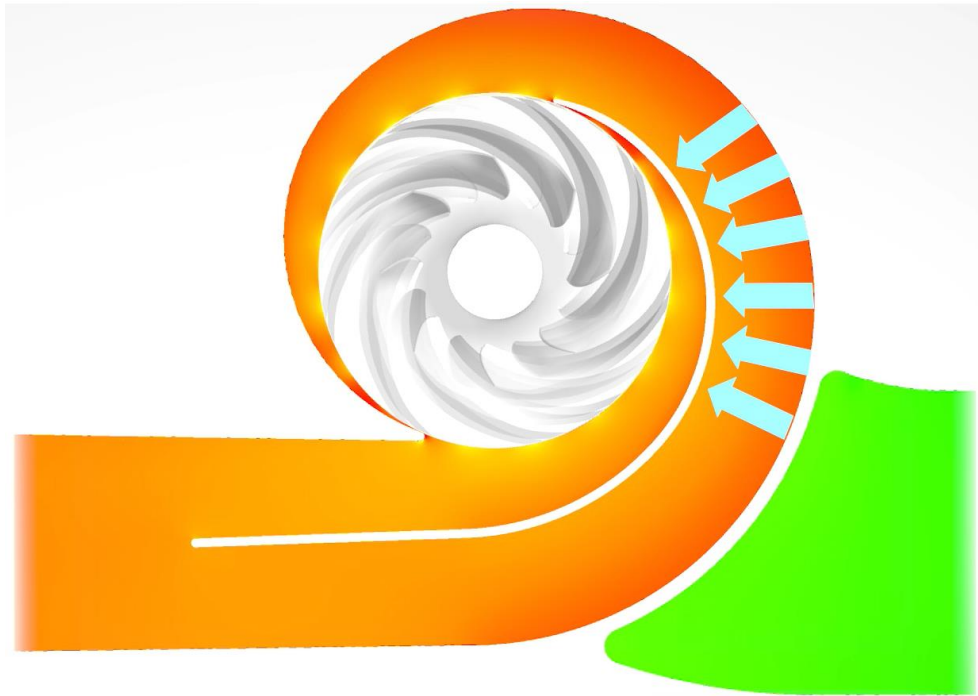
Double wear rings

- 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 m³/h
- 310 m

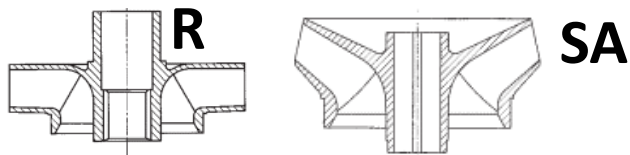
The SKD split case pumps are suitable in:

- 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

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



4"

6"

8"

10"

12"

14"

Bore-hole pump Range

Q max	700 m ³ /h
H max	860 m
P ₂ max	300 kW

100% SAER
MANUFACTURING

Submersible Pumps and motors

Metallurgies
Cast Iron
Bronze
AISI 316
Super Duplex

AVAILABLE

- Vertical & horizontal

ACCESSORIES ON REQUEST

- Cooling shroud
- Connection adapter



AVAILABLE

- Vertical & horizontal
- Re-windable

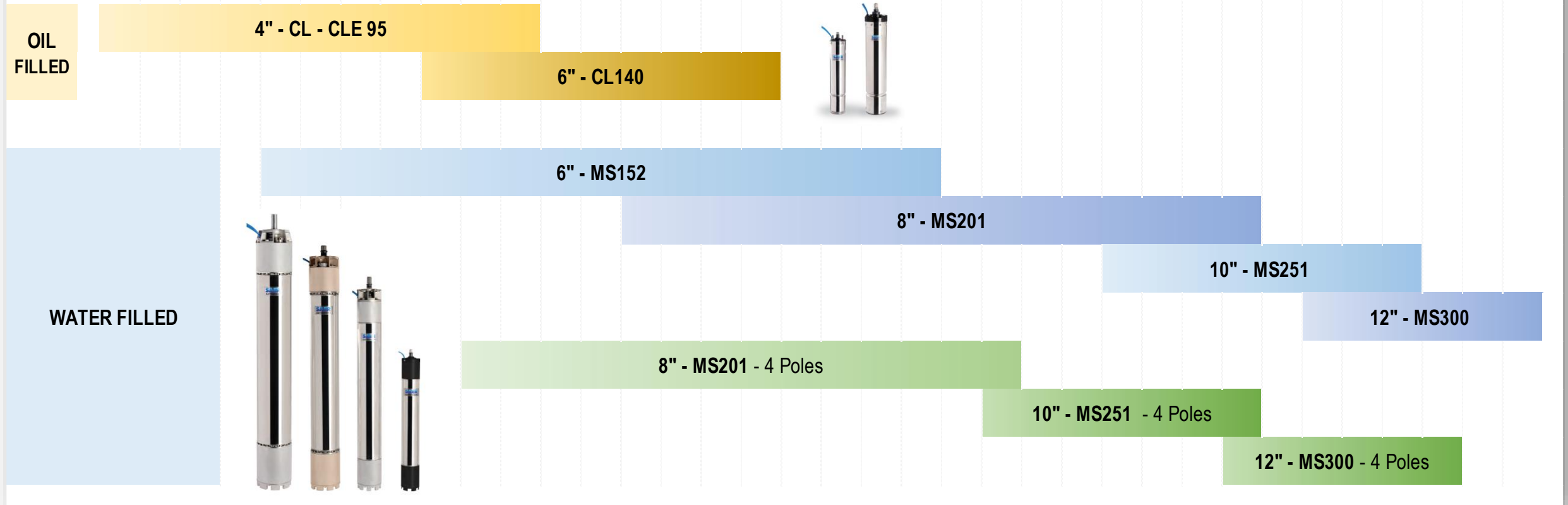
ACCESSORIES ON REQUEST

- Control panel
- Cable



Submersible Motors range overview

kW	0,4	0,6	0,8	1,1	1,5	2,2	2,2	3	4	5,5	7,5	9,2	11	13	15	19	22	26	30	37	45	52	55	60	67	75	83	92	110	132	150	170	185	220	260	300
HP	0,5	0,8	1	1,5	2	3	3	4	5,5	7,5	10	13	15	18	20	25	30	35	40	50	60	70	75	80	90	100	113	125	150	180	200	230	250	300	350	400



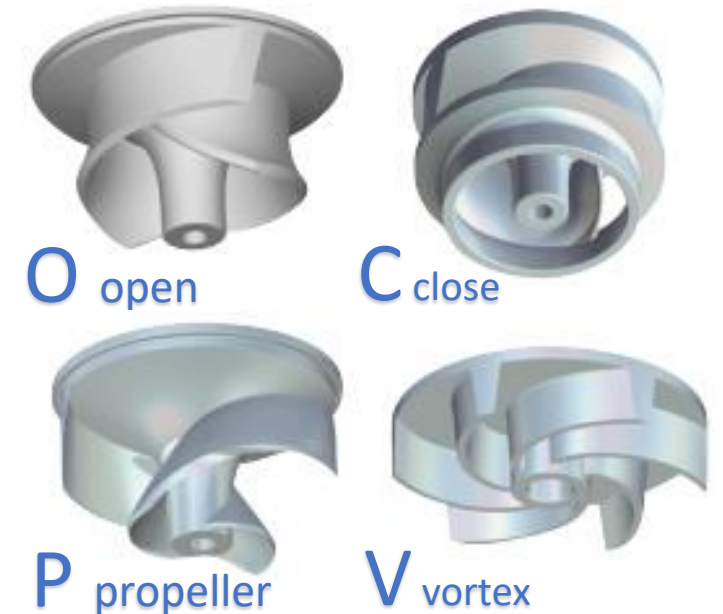
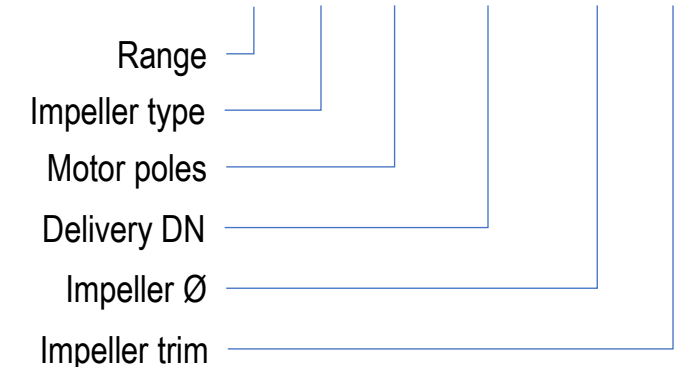
- 4 IMPELLER TYPE
- TOP PERFORMANCES - IE3
- EASY MAINTENANCE
- SUBMERSED USE

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



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

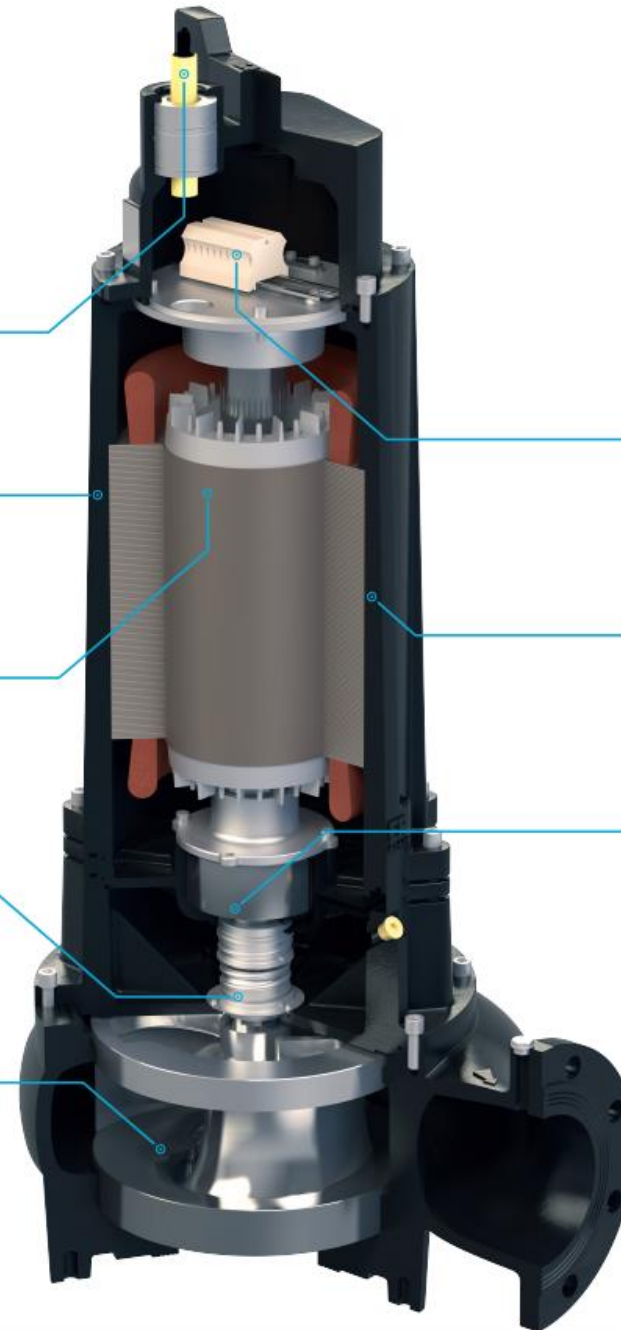
Saer premium ie 3 motors from 2,2 kW up to 55 kW, 2, 4 or 6 poles.

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**



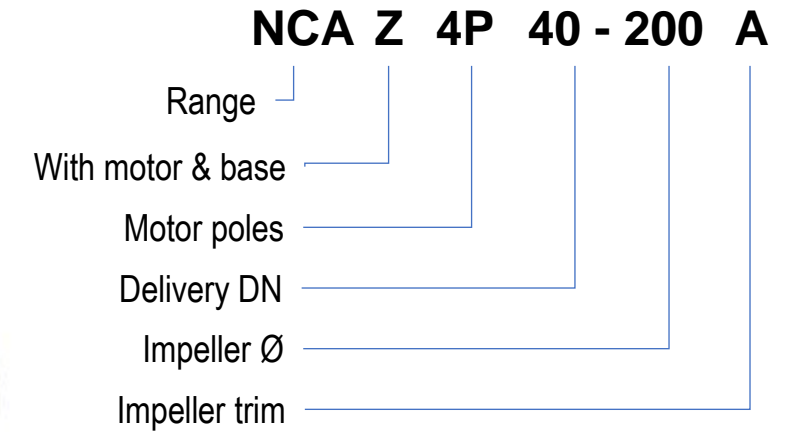
**AUTOMATIC
COUPLING
SYSTEM**



**SAER
WATER
DETECTOR**



- 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 m³/h flow
- 1500 kW power
- 100 bar pressure
- 1000V
- 50 / 60 Hz

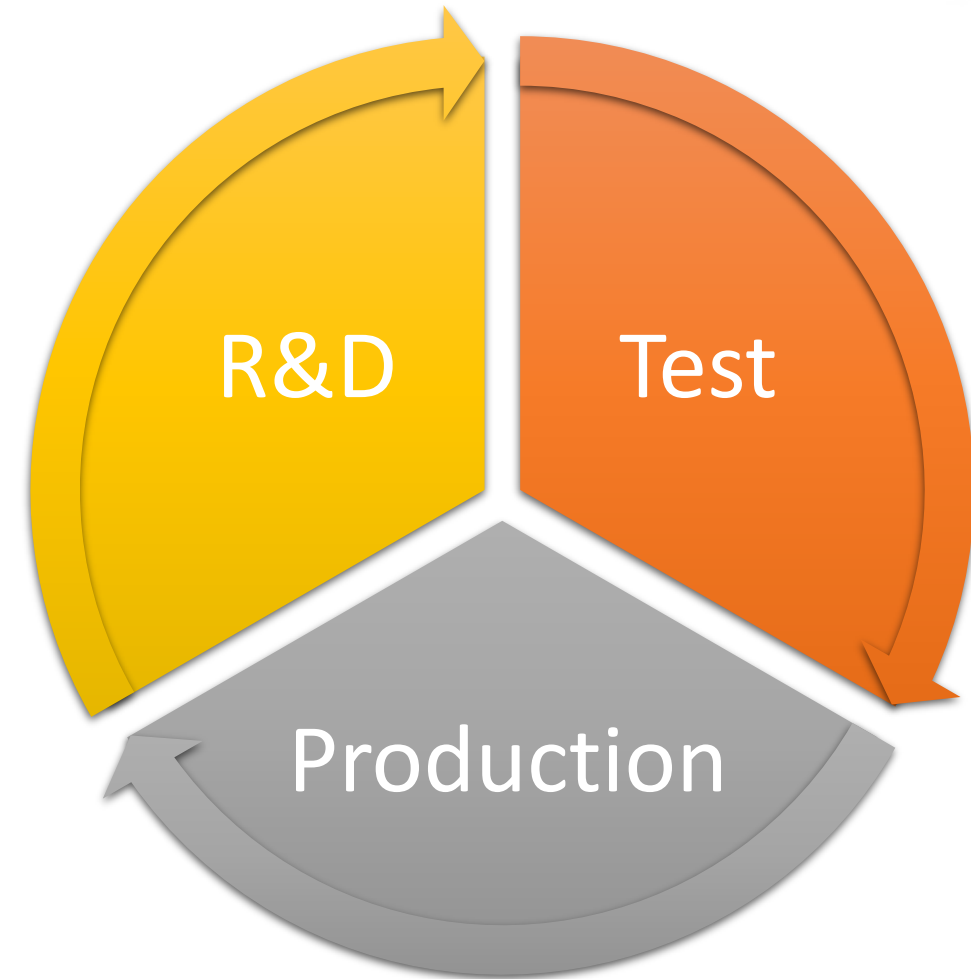
TESTS and Certificates

- Performance Q-H
- NPSHr
- Power, efficiency, Cos φ
- 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

Thank you for kind attention

SAER[®]
ELETTROPOMPE

Dirección Comercial
Alameda San Marcos Mz. D Lte. 22
Urb. Los Cedros de Villa - Chorrillos
- Lima

Consulta telefónica
+01 7653 270
+51 966 241 042
+51 950 784 595

Correo Corporativo
pmayuri@ssifluidos.com.pe