THE NEW L SERIES
SINGLE STAGE IN-LINE PUMPS
Whether you are looking for a quiet solution or resistance to high temperature for your HVAC applications, SAER’s new L series is the answer. An in line pump, characterized by innovative compact design to save space, combined with special nodule engineering cast iron construction which ensures constant performance over time even under harsh conditions. Made in Italy. Quality guaranteed.

**STRONG.**
Manufactured with robust nodule cast iron construction for temperatures up to 140°C. Stainless steel shaft as a standard. Close coupled design to save space and reduce noise levels. Operating pressure: PN16 as standard (PN25 on request up to DN50).

**SICURA.**
Ingressi limitati grazie alla configurazione monoblocco per un’installazione semplice, silenziosa e convenienti. Albero in acciaio inossidabile di serie. Le parti in pressione sono realizzate in ghisa sferoidale, rendendola la scelta ideale per funzionamento con liquidi sino a 140°C. Pressione di esercizio: PN16 di serie (PN25 a richiesta per grandezze fino a DN50).

**ADVANCED.**
Compact in line design for simple installation and reduced overall dimensions. A wide range to meet any need: 27 types, sizes from DN 32 up to DN 150, from 0,37 up to 75 kW, 50 and 60 HZ, 2 and 4 pole.

**ADATTABILE.**
Con una gamma di 27 tipi e svariati opzioni disponibili (diverse tipologie di tenute meccaniche e materiali) troverete risposta alle vostre esigenze: grandezze da DN 32 fino a DN 150, potenze da 0,37 fino a 75 kW, 50 e 60 HZ, 2 e 4 poli.

**ENERGY SAVING.**
ErP compliant for dramatically reduced operating costs. Motor efficiency class IE2 and IE3, version integrated inverter up to 15 kW. High performances CFD hydraulic design with MEI > 0,7 for most of the models. Optimized geometry to avoid turbulence and increase energy efficiency.

**RELIABLE.**
Wide selection of materials and mechanical seals for different applications (heating, cooling, civil, industrial, water supply etc.). Impeller available in cast iron, marine bronze and cast stainless steel AISI316.

**RESISTENTE.**
Elevate qualità e varietà dei materiali selezionati la rendono adattabile a diverse applicazioni (riscaldamento, condizionamento, civile, industriale, approvvigionamento acqua ecc.). Le giranti sono disponibili sia in ghisa che bronzo marino e acciaio inossidabile AISI 316. Test di laboratorio condotti per offrire una soluzione anche per le condizioni di lavoro più estreme.
THE USE OF THE FREQUENCY CONVERTER (INVERTER) HAS MANY BENEFITS FOR USERS:
- Energy saving.
- Reduced LCC (life cycle cost).
- Low environmental impact thanks to lower power consumption.
- Less wear of mechanical components.

MAIN FUNCTIONS:
- Operation at constant differential pressure, reading via two transducers;
- Versions for operation at constant pressure thanks to the pressure transducer supplied as standard;
- Drive with the main protections (current, voltage, dry running);
- Working as a team (master / slave) for multi pump systems. Frequency changers IVT series, that can be installed on the motor, are available in three-phase version up to 15 kW and IVM series, the single-phase version, up to 2.2 kW.

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MATERIALS OF CONSTRUCTION

<table>
<thead>
<tr>
<th>COMPONENT/Componente</th>
<th>MATERIAL / Materiale</th>
<th>STANDARD</th>
<th>ON REQUEST /A richiesta</th>
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<tr>
<td>PUMP BODY</td>
<td>Corpo pompa</td>
<td>NODULAR CAST IRON</td>
<td>Ghisa sferoidale EN-GJS-500</td>
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<tr>
<td>SEAL HOLDING DISC</td>
<td>Disco portatenuta</td>
<td>NODULAR CAST IRON</td>
<td>Ghisa sferoidale EN-GJS-500</td>
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<tr>
<td>IMPELLER</td>
<td>Girante</td>
<td>CAST IRON</td>
<td>Ghisa EN-GJL-250</td>
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<tr>
<td>SHAFT END</td>
<td>Sporgenza albero</td>
<td>STAINLESS STEEL</td>
<td>Acciaio inossidabile AISI316 (1.4408)</td>
</tr>
<tr>
<td>MECHANICAL SEAL</td>
<td>Tenuta meccanica</td>
<td>STAINLESS STEEL</td>
<td>Acciaio inossidabile DUPLEX 1.4362</td>
</tr>
<tr>
<td>RUBBER PARTS</td>
<td>Parti in gomma</td>
<td>EPDM</td>
<td>FPM</td>
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MOTORS
- Asynchronous induction with external ventilation (TEFC) motors. Protection: IP55 - Insulation: class F
- All the coupled motors are in conformity with Directive 2009/125/EC (EYI) - Regulation (EC) No 640/2009 and (EU) No 4/2014. They are available in different efficiency classes according to IEC 60034-30.
- Standard: motor suitable for VFD (inverter) operations up to 25 kW.
- On request, version with VFD (inverter) integrated on the motor up to 15 kW.
A COMPLETE RANGE

GAMMA COMPLETA

6L-2P - 60 HZ
• Up to 52 different models, from DN32 up to DN 150.
• Power: from 0.75 kW up to 45 kW.
• Capacity up to 580 m³/h, Head up to 6 bar.

6L-4P - 60 HZ
• Up to 60 different models, from DN32 up to DN 150.
• Power: from 0.75 kW up to 45 kW.
• Capacity up to 580 m³/h, Head up to 8 bar.

6L-2P - 60 HZ
• Sino a 52 modelli differenti, da DN32 a DN 150.
• Potenza: da 1.5 kW a 45 kW.
• Portata massima 580 m³/h, prevalenza massima 9 bar.

6L-4P - 60 HZ
• Sino a 60 modelli differenti, da DN32 a DN 150.
• Potenza: da 0.37 kW a 45 kW.
• Portata massima 580 m³/h, prevalenza massima 9 bar.