

TA.L-SC

High performance, self-priming liquid ring pump



| Main Characteristics

Range of stainless steel sanitary **self-priming** pumps with **monodirectional liquid ring**. Ideal for **suction applications** for **decanting of clear fluids** even in presence of discontinuous supply of the flow to the pump, or as a return pump in the CIP cleaning system.

Suitable for **uses in the agro-food, chemical-pharmaceutical and water treatment industries.**



Versions

The TA.L-SC is obtained from mechanical processes and it's the most suitable **solution for adapting the hydraulic characteristics of the pump to your specific working point**, extending the range of performance covered beyond the limit of the classic version.

| Impeller

The Heart

The TA.L-SC boast an impeller manufactured in **stainless steel AISI 316** through mechanical processes.



Type

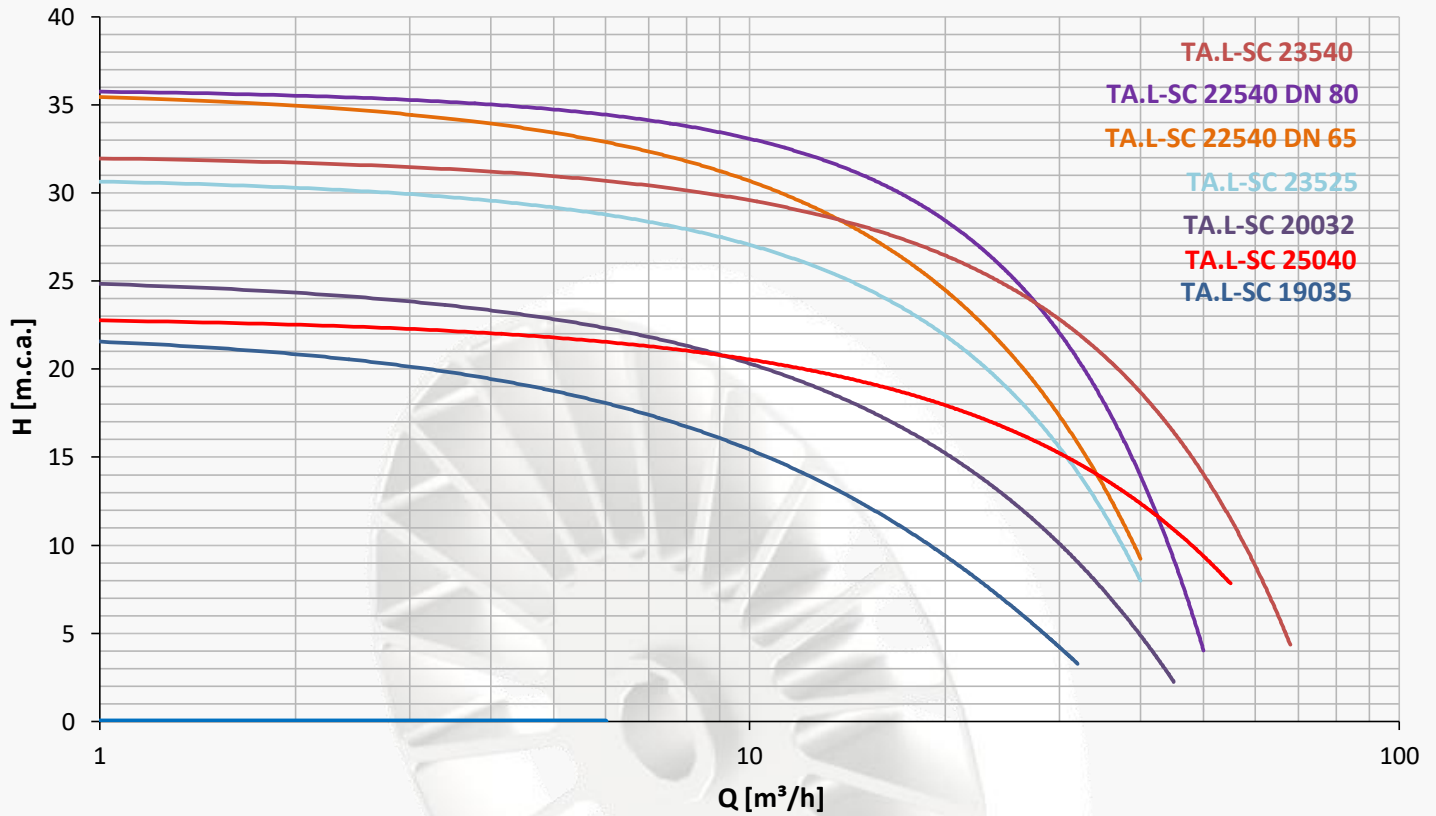
The TA.L-SC pump series is equipped with a **star-type impeller**, which consists of a **radial arrangement of the blades** in relation to the axis of rotation.

Advantages

Depending on the specific requirements, **it can be adapted with different diameters and blade thickness.**

Range of Applications

4 Poles – 1450 r.p.m.



Performances

Parameters	Values
Max. Flow Rate	100 m³/h
Max. Head	40 m.c.a.
Temperature	between -20°C and +180°C. Other temperatures on request
Max. Inlet Pipeline Pressure	From -8 m.c.a. for suction applications to 9,5 Bar on standard versions for in charge applications
Viscosity	100 cP
Dimensions of the Solids in Suspension	For clean liquids or soluble powders mixed with aqueous base solutions

Technical Specifications

Component	Type
Connections	DIN 11851 (standard), Tri-clamp, SMS, flange (regulation on request), GAS
Frame	Monobloc with B5 flange + bearings (if necessary)
Mechanical Seal	Internal single execution or external double flushed, materials of the faces and the elastomers depending on the transferred fluids
Motor	3ph, according to IEC with 2 or 4 poles, insulation class depending on the transferred fluid temperature. On request even with ATEX execution or according to specific regulations (UL-CSA, NEMA)
Pump Housing Materials	AISI 316L (1.4404), AISI 304L (1.4304), for extruded or laminated components; CF8 and CF8M for micro-casted components, in different configurations depending on duty



Accessories

Carter

Indispensable in those applications where the pump works in wet environments or where there is a need to protect the motor from adverse environmental conditions.



Supporting Feet

They are required when the pump works in a fixed location and is not mounted on supports or pedestals.



Trolley

Useful for moving the pump from one location to another in the production department quickly and conveniently.



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