



New pressure on the market

SolidC – the next generation of Tri-Clover® brand pumps for sanitary applications



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of Tri-Clover® brand pumps for sanitary applications

This is not just another sanitary pump. SolidC is the next generation of Tri-Clover brand C-Series pumps.

For a wide range of duties in your plant, SolidC will give more value for money than any pump in its class on the market. All four pump sizes in the SolidC range are fitted with the same superior shaft seal used in Alfa Laval premium LKH pumps. If your plant uses the standard or premium pump, or both, one seal is all you need.*

SolidC was designed with maintenance in mind. Servicing is fast and easy. The front-loading shaft seal can be replaced in minutes without removing the backplate. With advanced hygienic design features, SolidC takes hygiene to a new level for standard duty pumps.

Best of all, where downtime is costly, SolidC won't let you down. *Solid reliability, solid value – SolidC*



Solid hygiene

SolidC offers advanced hygienic design features for complete confidence. Internal design has been optimized for maximum cleanability. All product wetted parts are in AISI 316L stainless steel for a high level of hygiene. SolidC complies with 3A, CE and has EHEDG certification.

A pump is as good as its shaft seal

One seal for all, saves on spare parts costs

All four pump sizes in the SolidC range are fitted with the same superior shaft seal used in Alfa Laval premium LKH pumps. Install SolidC and you only need one type/size of shaft seal in stock. This means lower spare parts costs.

Safe, hygienic seal design

SolidC's external, balanced shaft seal provides safe operation. Since the driving section of the seal is located outside the product zone, it also ensures maximum hygiene.

Long seal lifetime

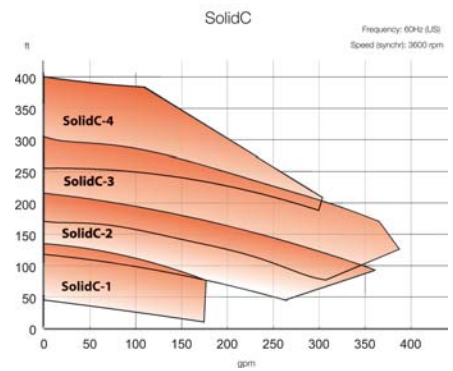
The stationary seal ring of silicon carbide is standard. The seal is balanced and the pump shaft is self-centering, adding up to longer seal life.

Easy conversion from single to single flushed seal

The shaft seal is available in two versions. Use the single seal for most applications and convert to the flushed version for abrasive and sticky products. Conversion kits can be retrofitted in minutes with just a few extra components.

Upgrade Your Performance

Optimized impellar design results in gentle product treatment and lower NPSHr minimizes the risk of cavitation.



SolidC is a reliable, cost-effective centrifugal pump for simple transport duties within the working range up to 380 gallons/minute. For more demanding tasks, LKH heavy duty centrifugal pumps offer superior efficiency, making light work of the toughest jobs.



Two piece motor flange and adaptor cylinder in 304 stainless steel. The flange can be changed while using the same adaptor cylinder when a new motor size is desired.



Balanced compression design allows secure, self-centering attachment to the motor shaft.



Service SolidC in minutes!

It's no exaggeration

The shaft seal can be removed by hand from the front of the pump – without removing the backplate. This means that the shaft seal and O-rings can be changed in just a few minutes.

Dismantling in 6 simple steps

- Remove screws, spring washers, and clamp
- Remove pump casing
- Remove safety guards
- Remove impeller screw, impeller, and O-ring
- Remove stationary seal ring and O-ring
- Remove complete shaft seal, spring and rotating seal ring

Designed for fast, easy re-assembly

The compression coupling on the shaft is self-centering. The O-ring is easy to mount due to the grooved design, and the pump casing can be fitted by one person, without assistance.

With maintenance in mind

SolidC has been specifically designed for simple, low-cost maintenance. An impeller adjustment tool is delivered with every pump. The pump housing can be adjusted through 360 degrees, giving full flexibility in positioning the outlet.

The bottom line? Fast, easy maintenance and fewer pump service hours needed.

A process partner

Just as SolidC offers more value for money, Alfa Laval offers much more than an ordinary supplier.

By choosing Alfa Laval, you choose a business partner with the broadest sanitary portfolio on the market.

Backed up by our global parts and service network, our cost-effective solutions are designed to give years of trouble-free service with fast return on investment, and minimum operating and maintenance costs.

Our aim is to help optimize your process and provide nonstop performance in your plant.



The same superior, long-life shaft seal as used in the LKH pump. Stock just one type of seal for all sanitary pumps in your plant.

Defined, compressed O-ring solution between casing and backplate ensures easy, two-handed assembly of the casing and 360 degree outlet adjustment.

Quick-opening clamp allows for rapid pump disassembly.

Look into the future

Equipping a new plant, or upgrading an existing one? Either way, if you want to move a product gently and efficiently through a system, it pays to choose the pump of the future. Here are four good reasons to make SolidC your first choice for standard pumping duties.

One superior shaft seal for all pumps

SolidC pumps are fitted with the same superior mechanical shaft seal used in Alfa Laval's premium centrifugal pump, LKH. Just one seal for standard duty and premium ranges.

Fast, simple maintenance

SolidC features a front-loading seal, a self-centering pump

shaft and easy seal conversion. The front-loading shaft seal can be changed in minutes without removing the backplate. The guard can be mounted by hand, making servicing fast and easy. Simple conversion kits make it simple to change from single to single flushed shaft seal.

Extended warranty* on non-wear parts

SolidC is sold with a 3-year warranty on all non-wear parts, on the condition that genuine Alfa Laval spare parts are used. Solid reliability, solid value - SolidC.

* Contact Alfa Laval for motor warranty details.



Alfa Laval in brief

Alfa Laval is a leading global provider of specialized products and engineered solutions.

Our equipment, systems and services are dedicated to helping customers to optimize the performance of their processes. Time and time again. We help our customers to heat, cool, separate and transport products such as oil, water, chemicals, beverages, foodstuffs, starch and pharmaceuticals.

Our worldwide organization works closely with customers in almost 100 countries to help them stay ahead.

Our North America-based sanitary group offers Alfa Laval and Tri-Clover® fluid handling and heat transfer equipment. Since 1919, Tri-Clover has been the leading supplier of processing equipment to the sanitary flow industry in North America. Part of Alfa Laval since 1986, Tri-Clover's sales and marketing functions were consolidated within the overall Alfa Laval organization in December 2000, creating the undisputed global leader in this industry. Tri-Clover remains a key brand within Alfa Laval.

How to contact Alfa Laval

Contact details for all countries are continually updated on our website. Please visit www.alfalaval.com to access the information.

