

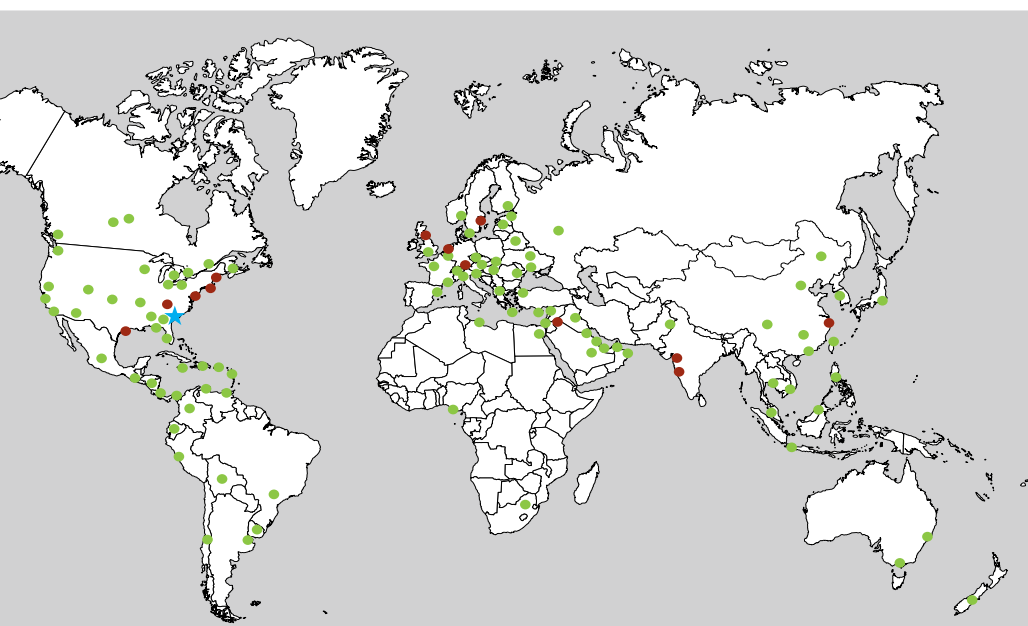


AT THE HEART OF EVERY OPERATION: THE BEST FLUID-MANAGEMENT SYSTEM

When it comes to pumping liquids, pumps and systems from Colfax Fluid Handling are among the most trusted solutions in the world.

The team at Colfax Fluid Handling is committed to developing the best solutions for your specific requirements. We refer to this as Total Savings of Ownership (TSO), which aims to minimize total operating costs. At Colfax Fluid Handling, savings begin with fair prices. But Total Savings of Ownership also means having the knowledge of what it takes to optimize the profitability of an industrial system throughout its entire service life.

Our extensive know-how, technical experience, and application competence give us the ability to optimize system performance and ensure that your employees receive the application experience and training they need. We have a global presence, coupled with the right tools for simplifying your engineering and technical processes. This gives us the unique ability to ensure that you receive what you need – precisely when you need it. Colfax Fluid Handling is committed to your success. We redefine what is possible for you and your customers.



REDEFINING WHAT'S POSSIBLE

Colfax Fluid Handling has a global network of sales, production, and service capabilities to ensure that our customers receive competent and optimal support.

- ★ Headquarters
- Regional production and consultation centers
- Global sales network

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COLFAX
Fluid Handling

REDEFINING WHAT'S POSSIBLE

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COMMERCIAL MARINE

DEFENSE

OIL & GAS

POWER & INDUSTRY

RELIABILITY SERVICES

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INDUSTRIAL SOLUTIONS ALLDUR®



ALLDUR®: EXTREMELY WEAR-RESISTANT STATORS FOR ALLWEILER PROGRESSING CAVITY PUMPS

EXTENDED SERVICE LIFE
UP TO
500%

COLFAX
Fluid Handling

REDEFINING WHAT'S POSSIBLE

ROTORS AND ALLDUR® STATORS IN ORIGINAL ALLWEILER TECHNOLOGY

THE DREAM TEAM FOR ACHIEVING EXTREME WEAR RESISTANCE WITH ABRASIVE LIQUIDS

ALLDUR® Stators

A stator's chemical formula determines how long it will provide its original pumping capacity and, therefore, how much you will spend on maintenance and spare parts. This savings, or extra expense, will be a factor over the life of the pump and can significantly impact your operation and your total cost of ownership.

Economical

With this in mind, Colfax Fluid Handling developed the new ALLDUR® formula specifically to maximize durability and efficiency. With ALLDUR® stators, now you can pump even extremely abrasive liquids economically!

Guaranteed quality

Each elastomer mixture and the entire production process are subject to stringent and continuous quality control. Therefore, as an operator you will experience uniform quality for decades. You can also expect the highest available safety, since ALLDUR® stators utilize cutting edge technology and comply with current regimes and regulations, e. g. Atex and machines directives.

Cutting edge technology

Modern technologies and processes reliably ensure that every stator leaves our plant in flawless condition.

Universal in use

ALLDUR® stators are specially developed for Allweiler progressing cavity pumps. New pumps can be provided with ALLDUR® stators, and existing pumps can be retrofitted at any time.



COMPATIBILITY

WITH OTHER OEM PUMPS

Take advantage of lower TCO from ALLDUR even if your pump is manufactured by a different OEM. When a stator replacement is required, use ALLDUR instead of standard stators to increase service life. Please contact the factory to discuss ALLDUR compatibility with other OEM progressing cavity pumps.

STATORS MADE OF ALLDUR®

TECHNICAL CHARACTERISTICS AND FINANCIAL BENEFITS

Ready for dynamic loads

High resistance against even dynamic mechanical loads. ALLDUR® stators recover from deformation caused by solids by assuming their original shape and size.

High impact resilience

Solids that impact the elastomer are repelled without causing damage.

Low compression set

Even long periods of downtime will not result in permanent deformation of the stator elastomer at the sealing lines.

Good liquid resistance

No or only marginal swelling, brittleness, contraction, or hardness alteration.

High durability

Extremely good abrasion qualities for pumping liquids with abrasive solids.

High tear-growth resistance

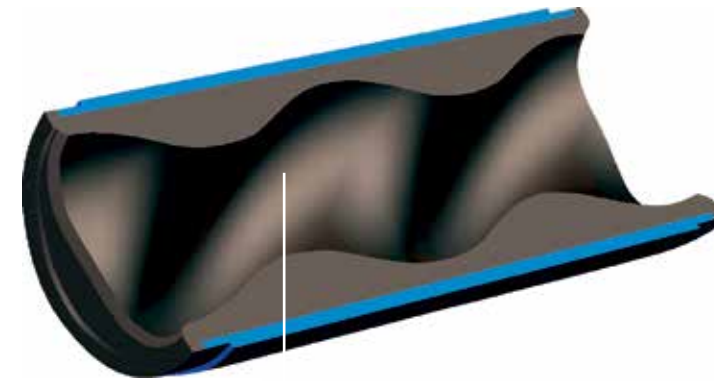
Even stators that receive localized damage can stay in service without the condition worsening.

Wide temperature range

Reliable and economic pumping of liquids from -22°F to +212°F.

High aging resistance

The elastomer can stay in service for years without maintenance or replacement.



ROTORS FROM ALLWEILER

VERY LONG SERVICE LIFE

Hardened tool steel as the base material prevents penetration of the chrome layer. The ductile hard chrome coating remains intact even when pumping coarse solids.

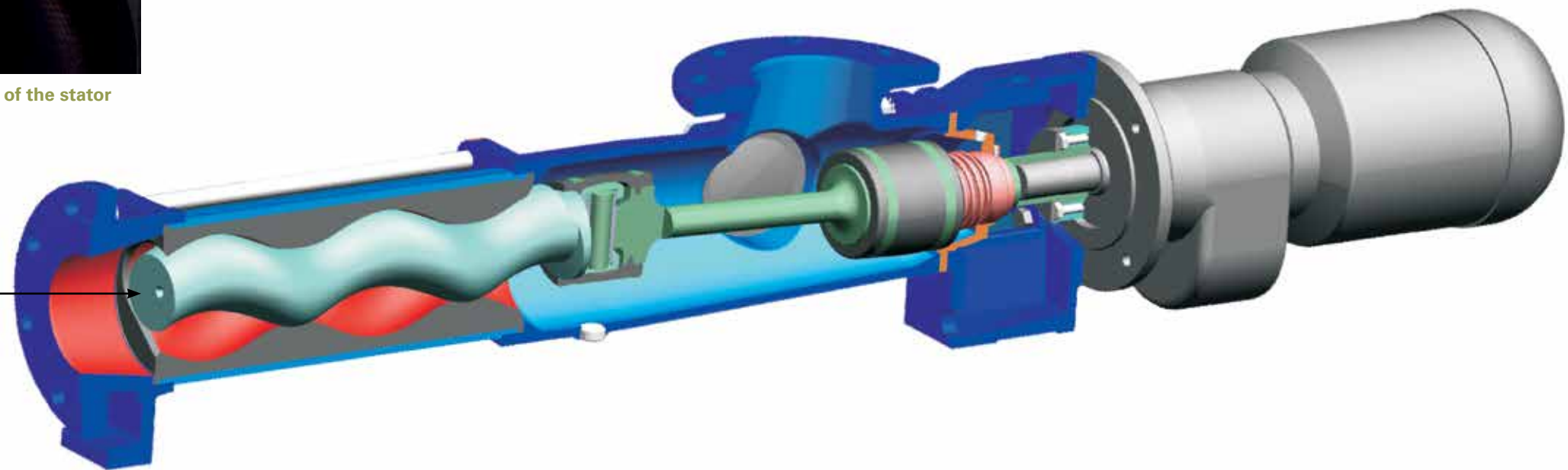
Particularly on larger sizes, original technology Allweiler rotors used in progressing cavity pumps are hollowcast or hollow-bored. This reduces centrifugal forces and extends the service life of the entire pump.



"Shark skin" structure of the rotor surface.



"Honeycomb" structure of the stator surface.



ALLDUR® IN USE

RESULTS OF AN EXPERIMENT AT THE COLOGNE-STAMMHEIM LARGE CLARIFICATION PLANT

The large Cologne-Stammheim sewage plant uses Allweiler pumps for pumping thick sludge, among other uses. The patented stator material has been undergoing long-term durability tests since December of 2012. Two identical pumps – one with a standard stator and another with ALLDUR® – were tested while pumping thick sludge from a thickening machine. Capacity was measured at regular intervals at a variety of pressures and speeds over thousands of hours. The test results confirm the new material's ideal characteristics as a stator material. The pump with a standard stator exhibited a continual linear loss of capacity, with replacement required at the 2,746 hour maintenance interval. On the other hand, the ALLDUR® stators did not require replacement until the 16,203 hour maintenance interval, representing 5.9x life of standard stators.

