

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

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

The team at CIRCOR 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 CIRCOR, 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, complete with the right color for implifying your employees and profined processes. This jees us the unique ability to ensure that you receive what you need -precisely when you need it. CIRCOR is committed to your success. We refettle what is possible for you and your customate.



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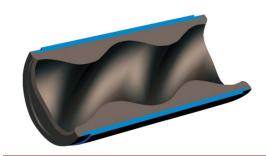
CIRCOR ALLWEILER®



COMMERCIAL MARINE

OIL & GAS POWER & INDUSTRY

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

EXTENDED SERVICE LIFE 500 %





ROTORS AND ALLDUR® STATORS IN ORIGINAL ALLWEILER® TECHNOLOGY THE DREAM TEAM FOR ACHIEVING EXTREME WEAR RESISTANCE WITH ABRASIVE LIQUIDS

ALLDUR® Stators

A stators shemical 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, CIRCOR 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.
Thoretion, as an operator you will experience uniform quality for decades. You can also expect the highest available safety, since ALLDUR' stators sulface cutting edge technology and comply with current regimes and regulations, e. g. Atex and matchine directive.

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.

STATORS MADE OF ALLDUR®

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.

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.

ROTORS FROM ALLWEILER®

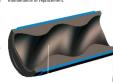
VERY LONG SERVICE LIFE

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 hollow cast or hollow-bored. This reduces

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.

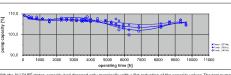




ALLDUR® IN USE

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

The large Cologne-Stammhelm sawage plant uses Aliveller' pumps for pumping thick studge, among other uses. The pumping thick studge, among other uses. The contribution of the pumping thick studge, among other uses. The durability rests since December of 2012 Five identical pumps, one with a student stater and nother with ALIDUR' were rested while pumping thick sludge from a thickening machine, Capatible van measured at regular intervals at a variety of pressures and speeds over several thousand hours. The test results confirm the new marketil's ideal characteristics as a stator material. The pump with a



With the ALLDUR" stator, capacity had dropped only marginally with a flat reduction of the capacity values. The test pump conveyed attrasive thick shufge with approximately 6 % dry substance; capacity ranged from 5 to 10 m²h with a discharge pressure of 8 to 12 bat.

