

## ALLMOVE®: For the Coarsest and Finest Media

With ALLMOVE® you can pump difficult media as reliably as sensitive media and measure precisely. ALLMOVE® ASH ranges include pumps, which have neither seals nor valves. Maintenance and sealing of these components is therefore completely unnecessary. The reinforced fabric pump hose guarantees long life. The rotating displacement pumps are perfect for use with aggressive media, because they don't have contact with the mechanical feed mechanism. Peristaltic pumps efficiently pump even highly viscous and extremely abrasive feed media. The level of solid particles can reach up to 70 percent volume and the grain size up to 33 mm.

### Careful and precise

The pumped liquid flows through the pump smoothly and without turbulence. As a result it does not emulsify. The pump principle also allows you to measure the feed quantities reliably and precisely.

### Universal

Because the feed medium only comes into contact with the interior of the pump hose and not with the pump's mechanical components, you can safely pump almost all fluids without any problems. You obtain a pump, whose pump hose quality is perfectly tailored to the chemical and mechanical properties of your feed medium, with a choice of four qualities (NR, NBR, EPDM, CSM).

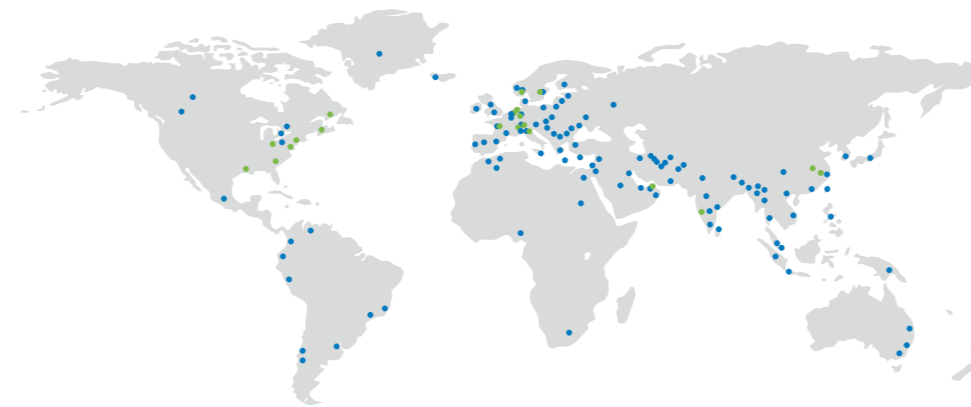
### Tried and tested applications for ALLMOVE® peristaltic pumps:

- >> Sewage and purification
- >> Chemical and petrochemical industries
- >> Paper, cellulose and textile industries
- >> Soap and fat industries
- >> Construction, ceramics and coal and steel industries
- >> Mechanical engineering and machine building
- >> Meat and fish processing
- >> Tanneries, surface finishing
- >> Cosmetics industry

Additional information is available at:  
[www.circorpt.com](http://www.circorpt.com)

Our experienced technicians are there when you need them - anytime day or night. You can count on service and support within 24 hours no matter where your ALLWEILER-equipped installation is located.

The addresses of ALLWEILER global representatives are available here:  
<http://www.circorpt.com>



- CIRCOR | ALLWEILER manufacturing centers
- CIRCOR | ALLWEILER sales and service locations

### ALLWEILER products and services

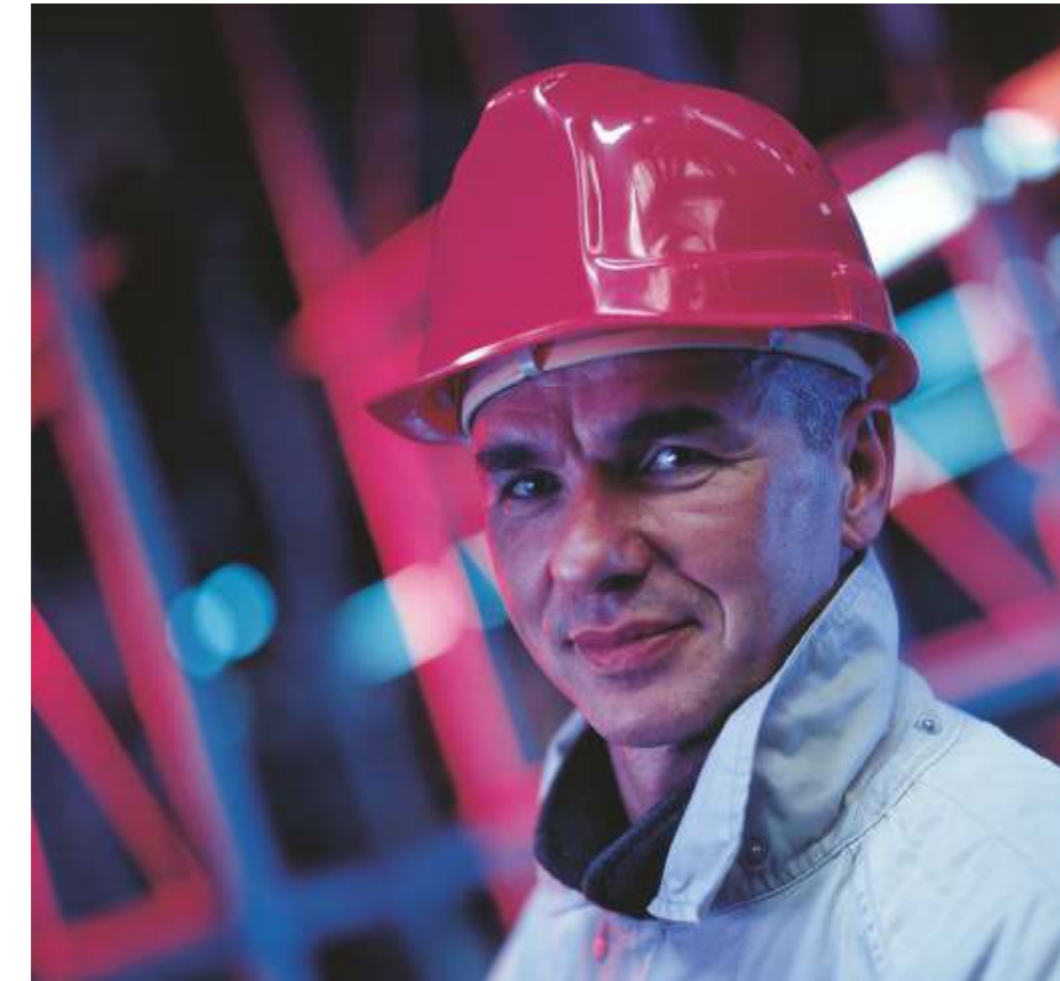
- >> Centrifugal pumps
- >> Propeller pumps
- >> Screw pumps
- >> Progressing cavity pumps
- >> Peristaltic pumps
- >> Macerators
- >> Plant engineering
- >> Systems
- >> Monitoring and control

### ALLWEILER application categories

- >> Marine and Offshore
- >> Power Generation
- >> Oil and Gas
- >> Process Technology
- >> Chemistry
- >> Bioenergy
- >> Heat Transfer
- >> Building Industry
- >> Machine Tools
- >> Pulp and Paper
- >> Water and Wastewater
- >> Food and Pharmaceutical

### ALLMOVE®: The ultimate combination of service life and solids tolerance

- >> Ideal for highly aggressive and highly abrasive liquids.
- >> Operates without seals and valves.
- >> The liquid never contacts the pump's mechanical parts.
- >> Optimized design extends the service life of the pump hose while simultaneously reducing the pump's working temperature.
- >> Lubricant/coolant lubricate and cool the pump hose, rotor, and sliding blocks without these parts contacting the liquid in the pump casing.
- >> Patented clamping of the pump hose and asymmetric formation of the rotor (and corresponding shape of the pump casing).
- >> Grain sizes up to 33 mm and fiber lengths up to 820 mm, solids content up to 20% by volume



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Power & Industry Products & Services

ALLWEILER® HOUTTUIN™ IMO® WARREN®

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## ALLMOVE®

- >> Mining: sludge, overlay, carbon concrete
- >> Ceramic and cement industries: dip coat, screed, concrete recycling
- >> Chemistry: aggressive acids and alkalis
- >> Paint and lacquer industry: latex, pigments
- >> Wastewater treatment: Wastewater

### >> ALLMOVE®: DELIVERS, WHERE OTHER PUMPS FAIL

## Seal-less, self-priming and dry run protected peristaltic pumps.



# ALLMOVE®: Patented Details Guarantee Efficient, Troublefree Operation

ALLMOVE®:  
Rapid cleaning thanks to reversible rotation and feed directions. No need to dismantle.

## ALLMOVE®

- >> Optional vacuum support and pulsation dampener
- >> Pump connector design and materials, hose construction and materials, and branch position can be optimized for specific requirements.

### ALLMOVE®:

All ALLMOVE® pumps combine the safety and favorable price of a widely used, standard device with the options of an individual pump.

The tried and tested equipment is fitted in our factory with the precise materials you require. Depending on the pumped liquid, the pump is made from natural rubber, NBR, EPDM or CSM.

As an optional extra for standard equipment, you have the choice of innovative technical individual solutions.

These can even be tailored to meet special usage requirements:

#### Pulsation damper

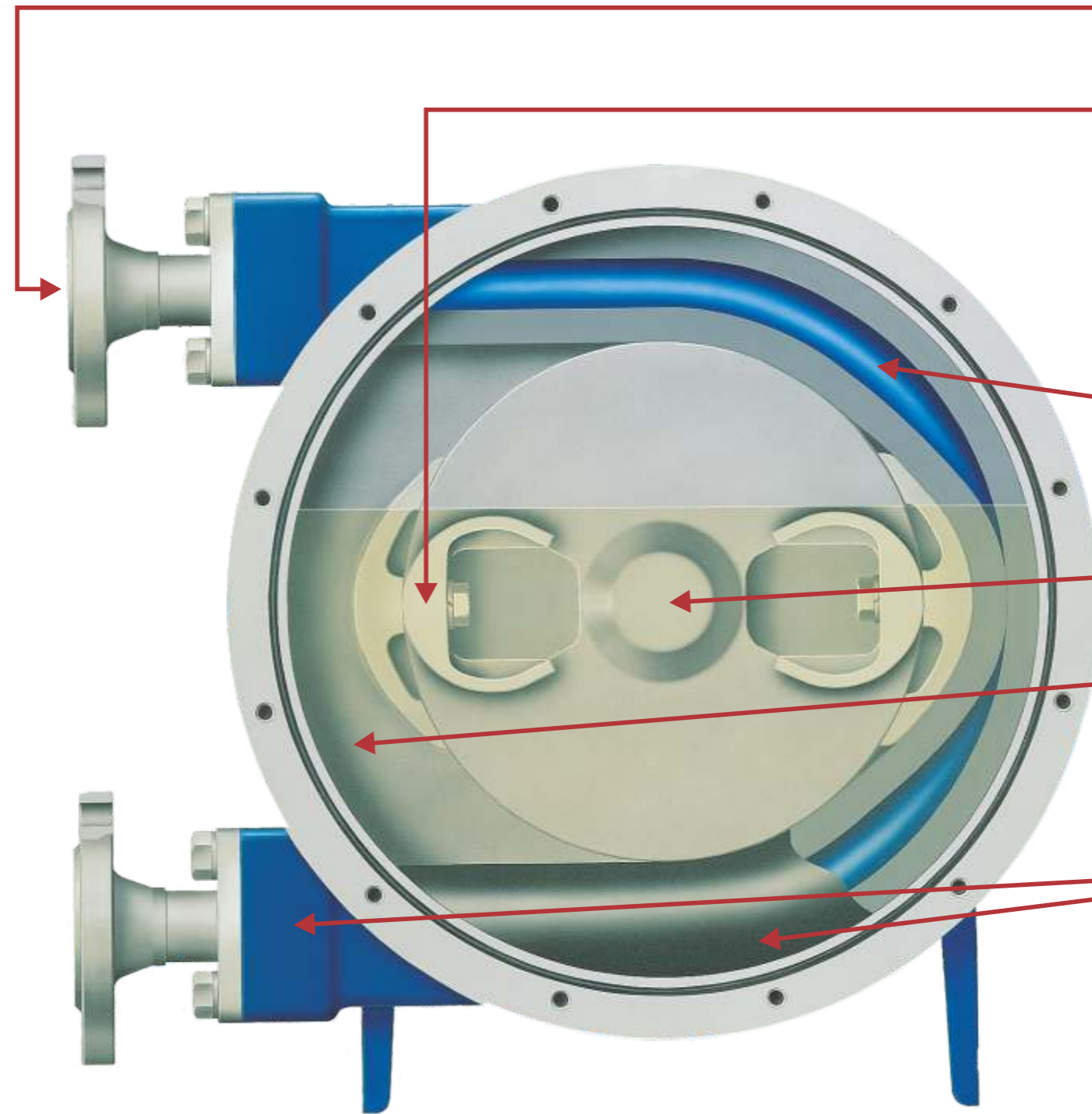
An elastic damper hose changes its chamber volumes depending on the fluctuating pressure stresses in its chamber volumes, thereby evening out volume flow and pressure variations. The pulsation damper protects both pumps and pipelines. Pulsing is reduced by up to 95 %.

#### Safety devices

A hose fracture detector ("capacitive approximation switch") immediately stops the drive, by means of a control switch, as soon as pumped liquid enters the pump casing. Thereby, ensuring that when there is any disruption, there is no damage to the mechanism.

#### Vacuum support

With the vacuum installation you can achieve high suction of up to 9.5 m wc, rapidly pump even highly viscous media or measure very precisely. The vacuum installation thereby improves the recoil strength of the pump hose after the rolling process. In addition, the pump hose retains its full suction power throughout its lifetime.



## Flexible

### Individual connections

ALLMOVE® ASHs are supplied as standard with a flange. Other connections are available.

### Rapid adjustment

The shoes in the one-piece rotor can be quickly and simply adjusted.

## Low maintenance costs

### Only one part subject to wear and tear

Only the pump hose is subject to wear and tear. It can be quickly replaced without opening the pump casing.

### Low operating temperature

The patented design of the shoe and rotor results in high rotation speeds for glycerin filling. Combined with the low gradient of the shoe, this results in an unusually low operating temperature and therefore in an extremely long life for the hose.

### Maintenance free permanent lubrication

The glycerin filling effectively lubricates the hose and all moving parts effectively and permanently.

### Long tube lives

Patented elastic connection of the pump hose; pump hoses in four different elastomeric qualities, especially wound, reinforced with fabric and ground.  $Q_{max}$  224 psi, max. suction height 9.5 m wc.

## ALLMOVE® performance data\*

	ASH
Q	up to 1.000 l/min
$P_d$	up to 16 bar
t	up to 80 °C
	up to 100.000 mPa s

\* All performance data listed here and in the following tables apply to 50-Hz operation.

ALLMOVE®:  
With peristaltic pumps ALLMOVE®, opt for a dry run protected and dry self-priming pump. It guarantees both high feed precision and careful pumping.

ALLMOVE®:  
Pumps safely, reliably and economically almost all fluids: From A like activated carbon (charcoal) to Z like zinc chloride.

ALLMOVE®: Ideal for highly aggressive and extremely abrasive media