

## High-performance Sealing Solutions for Pump Applications



Liquid handling in the process industry means the conveying of liquid-solid mixtures, pastes and liquids with a low gas content. In order to prevent the environment (machine, application or even human health) from being damaged by leakage of the medium, it is essential to ensure safe operation with the appropriate reliable sealing, antivibration and fluid handling solutions.

Angst+Pfister offers customized engineering solutions and high-tech components for flow and displacement pumps in sealing, antivibration, fluid, plastics and drive technology – covering all main C-part product categories.

On the basis of well-founded raw material expertise and many years of experience in high-tech compounding Angst+Pfister now offers its own high performance compounds PERTEC® for sealing technology.

At Angst+Pfister, we offer everything from one source:

- Global production platform: combination of our own capacities with reserved capacities at certified production partners
- Global logistics centre with over 140,000 items on stock, just-in-time, kanban and supply chain management solutions
- Guarantees the best solution for customer-specific requirements, the right quality standards and the best price at all times

### Features

- Broad chemical resistance over a wide range of aggressive liquids
- Very good ozone-, weather-, age- and oxygen-resistance, also against mineral oils and greases
- Low gas permeability
- Temperature resistance from -60°C up to +200°C
- Meet almost all important approvals for the chemical, oil, gas, food and water industries

### Contact

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### Benefits

- Everything from one source
- Customized engineering and onsite consulting
- Very high level of international certification
- Very high availability of standard material and products

## Industries

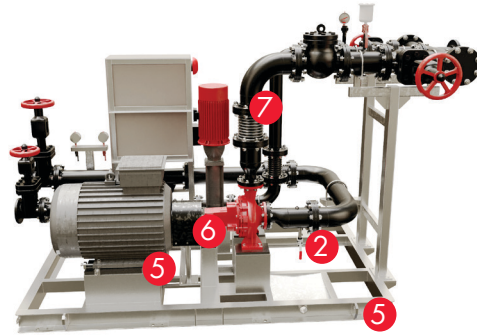
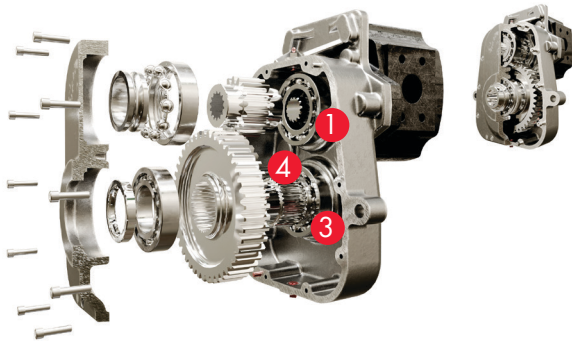
- Chemical industry
- Oil and gas industries
- Beverage, food processing and food industries
- Water and waste water industries

## Main applications

- Chemical process applications
- Oil processing and refinery technology
- Food applications
- Water and waste water treatment and transport

## Typical products

O-Rings, molded parts, diaphragms, piston seals, radial shaft seals, sealing profiles, mechanical seals, hose lines and fittings, metal hose lines, plastic drawing parts (seals), couplings, drive belts and pulleys, machine feet, buffers and customer-specific rubber/metal compounds.



O-rings

1



Flat gaskets

2



Molded seals

3



Rotary radial shaft seals

4



Shock absorbers

5



Couplings

6



Hose lines

7

## Exemplary Approvals and Conformities

3-A Sanitary Standard Number 18-03 Class I

ADI free

BfR XV (Silicones) or XXI (other Elastomers)

D.M. 21/03/1973

DPR 777/82

DVGW EN 549 D2/H3

DVGW W 270

EC 1935/2004 article 3

FDA - CFR 21 - 177.2600 food a) - f)

French Arrete 17.12.92 No. 293 (migration test)

GB 4806.1-2016

GB 9685-2016

GB 4806.11-2016

GMC/RES. N° 28/99

KIWA NSF/ANSI 51 formulation

KTW Guideline cold water (23 °C) and hot water (85 °C)

LFGB § 30/31

PAH Category 1 (AfPS GS 2014:01)

PAHs requirements according Regulation (EU) No 1272/2013

Phthalate free

SR 817.023.21

USP Class VI Chapter 87 and Chapter 88, 121°C

and other approvals depending on the material



EC No.1935:2004

