

## High-Performance Sealing and Engineering Plastics Solutions for Valve Applications



Valves are components for shutting off or controlling the flow of liquids or gases in the process industry. 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 solutions.

Angst + Pfister offers the complete range of customized engineering solutions and high-tech components for valves in sealing, plastics and drive technology. Due to well-founded raw material expertise and many years of experience in high-tech compounding Angst + Pfister also 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 as well as just-in-time, kanban and supply chain management solutions
- Guarantees the best solution for customer-specific requirements, the right quality standards and respectively the best price

### Features

- High chemical resistance to a wide range of aggressive fluids
- 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
- Almost all important approvals for the chemical, oil, gas, food and water industries
- One of the most comprehensive plastics assortment in Europe, around 150 standard, engineering and high-performance plastics such as PTFE, PEEK, POM and many more.

### Contact

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### Benefits

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

## Industries

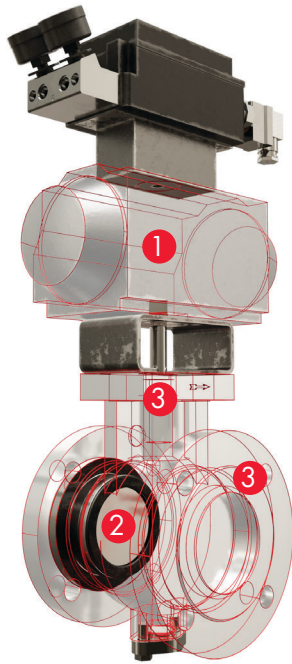
- Oil and gas industries
- Chemical industry
- Beverage, food processing and food industries
- Water and waste water industry




## Main applications

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

## Typical products

O-Rings, molded seals, diaphragms, plastic parts according to customer drawing (seals).



|  |   |   |
|--|---|---|
|  | O-rings                                     | 1 |
|  | Molded seals                                | 2 |
|  | Plastic parts according to customer drawing | 3 |

## Exemplary Approvals and Conformities

|  |  |
|--|--|
| 3-A Sanitary Standard Number 18-03 Class I               | PAH Category 1 (AfPS GS 2014:01)                         |
| ADI free   | PAHs requirements according Regulation (EU) No 1272/2013 |
| BfR XV (Silicones) or XXI (other Elastomers)             | Phthalate free   |
| D.M. 21/03/1973  | SR 817.023.21  |
| DPR 777/82   | USP Class VI Chapter 87 and Chapter 88, +121 °C          |
| DVGW EN 549 D2/H3  | and other approvals depending on the material            |
| 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   |  |

