



HIGH-PRESSURE PISTONS

FRIALIT[®]-DEGUSSIT[®]

High-Performance Ceramics

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HIGH-PRESSURE **PLUNGERS**

Pistons made of FRIALIT F99.7, FRIALIT FZT or FRIALIT FZM ceramics are used to transfer media ranging from liquids to high viscosity substances, even with an abrasive filler.

The ceramic high-performance pistons and plungers are also exceptionally well-suited for extreme-pressure applications, such as water-jet cutting. High resistance to wear and optimal sliding properties ensure a long operational life.



We supply suitable materials in the required dimensions for all individual applications.



FIELDS OF APPLICATION

- Water-jet cutting lines
- Desalination units
- High-pressure lines
- Recirculation systems for
 - filtration
 - cooling
 - flushing

BENEFITS

- Extreme resistance to wear
- Optimal sliding properties ($R_a < 0.05 \mu\text{m}$)
- Pressure resistance of up to 10,000 bar
- Runtime of more than 2,000 h at 3,000 bar
- Lighter than metal/tungsten components



Source: Jet Cut Power GmbH, Switzerland

Aliaxis
UTILITIES & INDUSTRY

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