



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

FRIATEC Aktiengesellschaft - Ceramics Division
Steinzeugstraße 50 - 68229 Mannheim - Germany
Phone +49 621 486-1378 - info-frialit@friatec.de

www.friatec.de

