

flexible sleeve  
Precision ATEX  
feed rate  
Pulsation  
Viscosity  
Pump  
Double-walled  
**Liquid**  
Backpressure Heating  
Custom design  
Agitator storage hopper  
Collecting tray



**INTERNATIONAL**  
Brabender Technologie GmbH & Co. KG  
Kulturstrasse 49  
47055 Duisburg, Germany

**RUSSIA**  
OOO „Service Vostok“  
1-st Tshipkovsky per. H20  
Office 16  
115093 Moscow, Russia

**PR CHINA**  
Brabender Technology (Beijing) Co., Ltd.  
3rd F, B Section, No. 3 Workshop, 2nd Project  
of Guanglian Industrial Park, No. 2 Kechuang  
East 5th Rd., Opto-Mechatronics Industrial Park  
Tongzhou, Beijing 101111, China

**NORTH AMERICA**  
Brabender Technologie Inc.  
6500 Kestrel Road, Mississauga  
Ontario L5T 1Z6, Canada



**INDIA**  
Brabender Technologie GmbH & Co. KG  
(India Branch Office)  
BE-86, Sector-I (2nd & Gr. Floor)  
Salt Lake City, Kolkata - 700064, India

**UNITED ARAB EMIRATES**  
Brabender Technologie Middle East  
P.O. Box 18139  
Dubai, United Arab Emirates

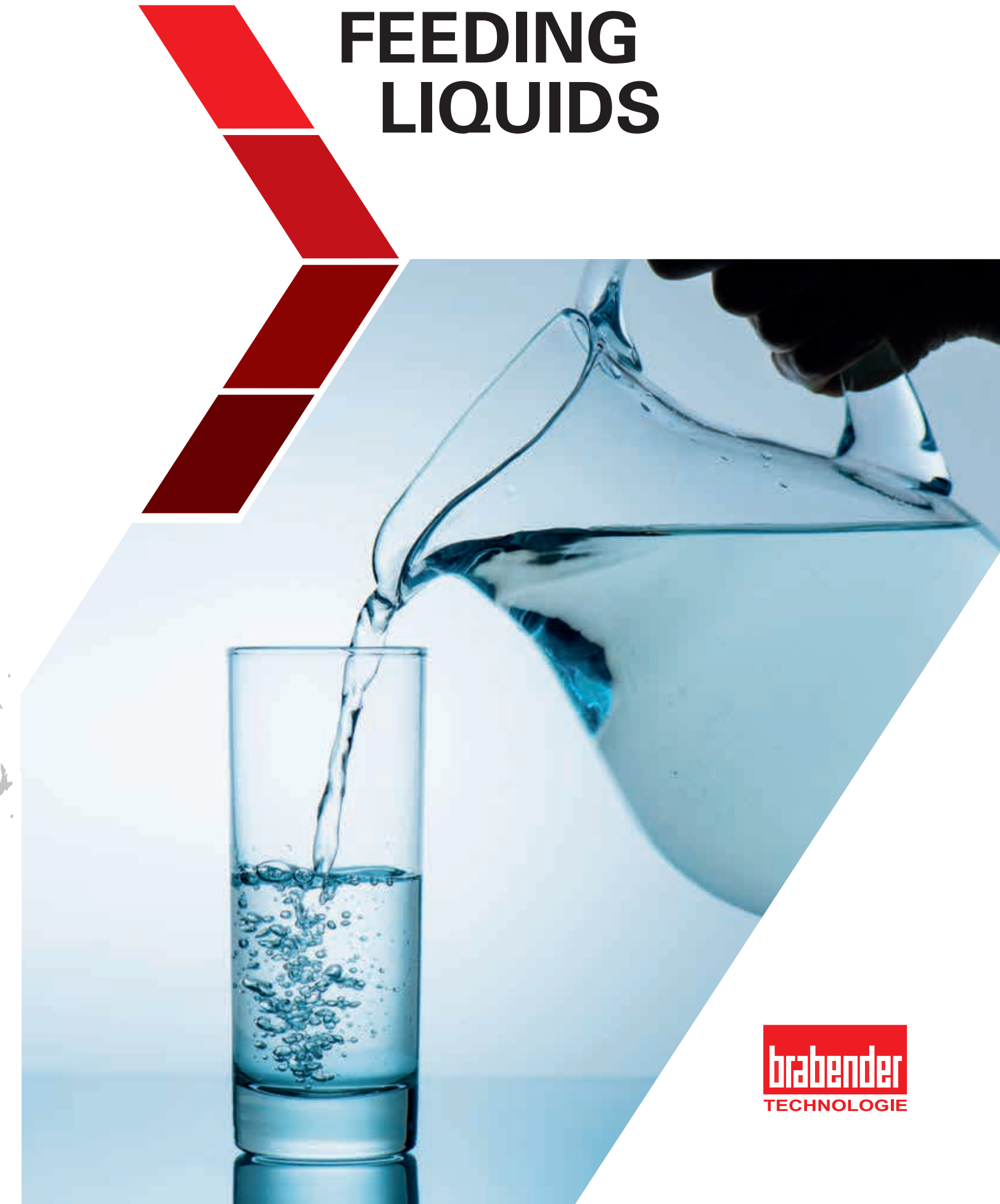


Further international  
agency addresses

[www.brabender-technologie.com](http://www.brabender-technologie.com)  
[www.bt-cito.com](http://www.bt-cito.com)

Keep the Flow

# FEEDING LIQUIDS



# DESIGN DETAILS

Every liquid feeder is customized to match the products it is designed to handle. The following are design considerations:

- **Product properties**

- chemically aggressive or toxic
- flammable or explosive
- crystallizing
- food

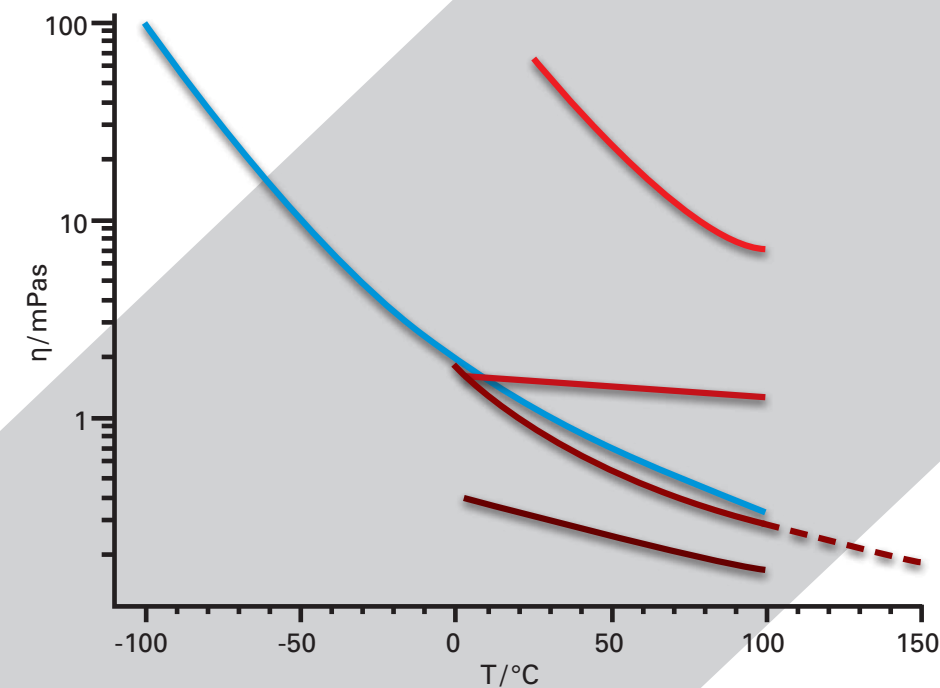
- **Parameters**

- unheated
- heated
- process temperature

- Viscosity
- Feed rate
- Backpressure
- Density

# VISCOSITY

Temperature impact on various liquids at the same pressure:



- Olive oil
- Ethanol
- Water
- Mercury
- Acetone

# FEEDING

## FDDW - CLASSIC

The FDDW Classic liquid feeder, where the motor and the pump are not weighed, enables liquids to be heated thoroughly up to 150 degrees Celsius. Its digital load cell records even the smallest feed rates. On request the FDDW Classic can also be fitted with an analog load cell or supplied in a volumetric version.

The emergency draining detail is fitted as standard on the FDDW Classic, and given its easy-to-clean Hygienic Design configuration, it is suitable for feeding liquid foods or pharmaceutical products. The FDDW Classic is available in the following standard hopper sizes: 3 liters, 6 liters, 50 liters and 100 liters as well as in special hopper sizes. The hopper covers are also available as manual refilling versions.



## ACCESSORIES/OPTIONS

- Refill valve
- Electric heater
- Double-walled for liquid heating
- N2 purge
- Pulsation damper
- Agitator
- Feed hopper
- Collecting tray
- Mobile design
- Pressure hose

## FDDW - S

Its vertical, space-saving configuration gives the FDDW S liquid feeder a compact design. Liquids can be heated up to 100 degrees in both the 6-liter and 50-liter sizes. The FDDW S is fitted with an analog load cell, is easy to clean and includes an emergency drain.



Mobile design

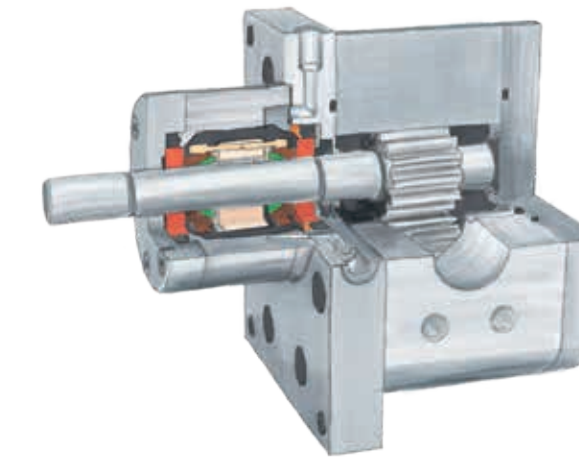


Refill ball valve

# CONVEYING

## GEAR PUMP

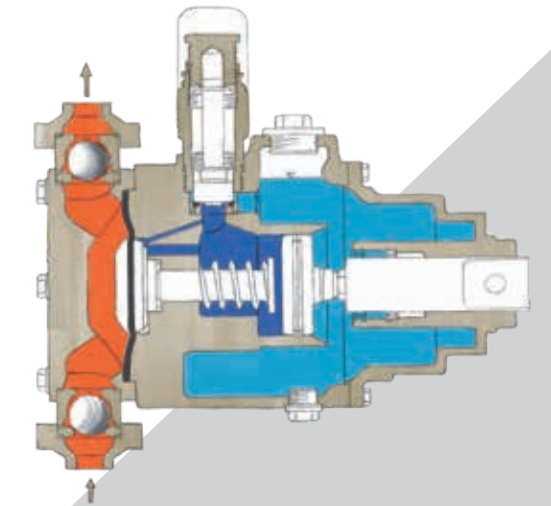
- compact and energy-efficient
- uniform conveying by means of counterrotating gears
- suitable for highly viscous media, e.g. silicone oils and prepolymers
- high degree of feeding accuracy
- pulsation-free



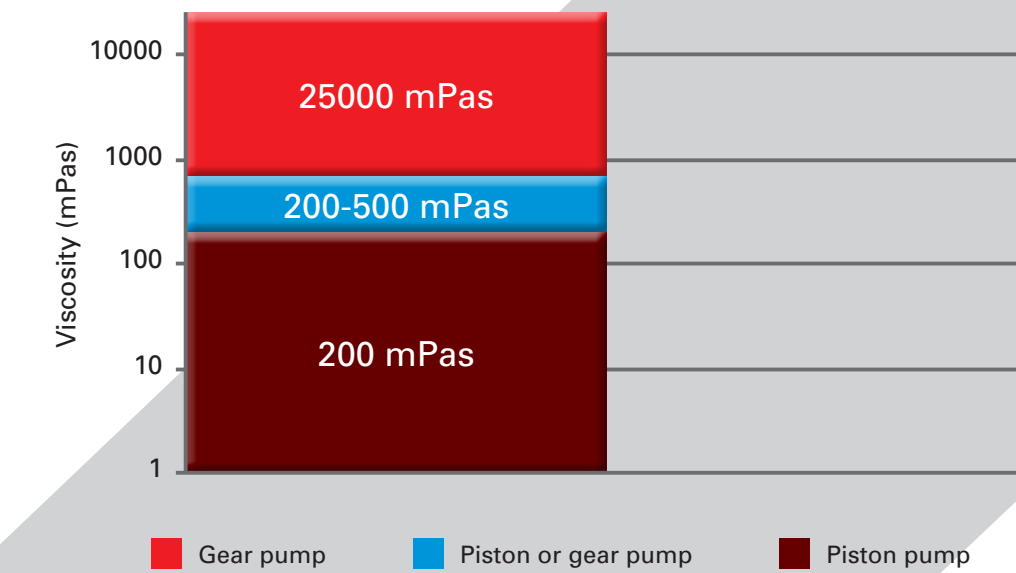
© WITTE PUMPS & TECHNOLOGY GmbH

## PISTON DIAPHRAGM PUMP

- piston stroke-based conveying in single, double or treble piston crown configuration
- low-maintenance through diaphragm monitoring
- suitable for low-viscosity media, e.g. water, plasticizers and silanes
- counter pressures up to 350 bar
- high degree of efficiency



In addition, depending on requirements and tasks, other pumps are used, e.g. a progressing cavity pump for pumping viscous and highly viscous media, e.g. liquid color or honey.



- Gear pump
- Piston or gear pump
- Piston pump