



Kubota Brabender Technologie

# FEEDING LIQUIDS



flexible sleeve **Viscosity**  
Precision **ATEX**  
feed rate **Pump**  
Pulsation **Double-walled**

# Liquid

**Backpressure Heating**  
**Custom design**

**Agitator storage hopper**  
**Collecting tray**

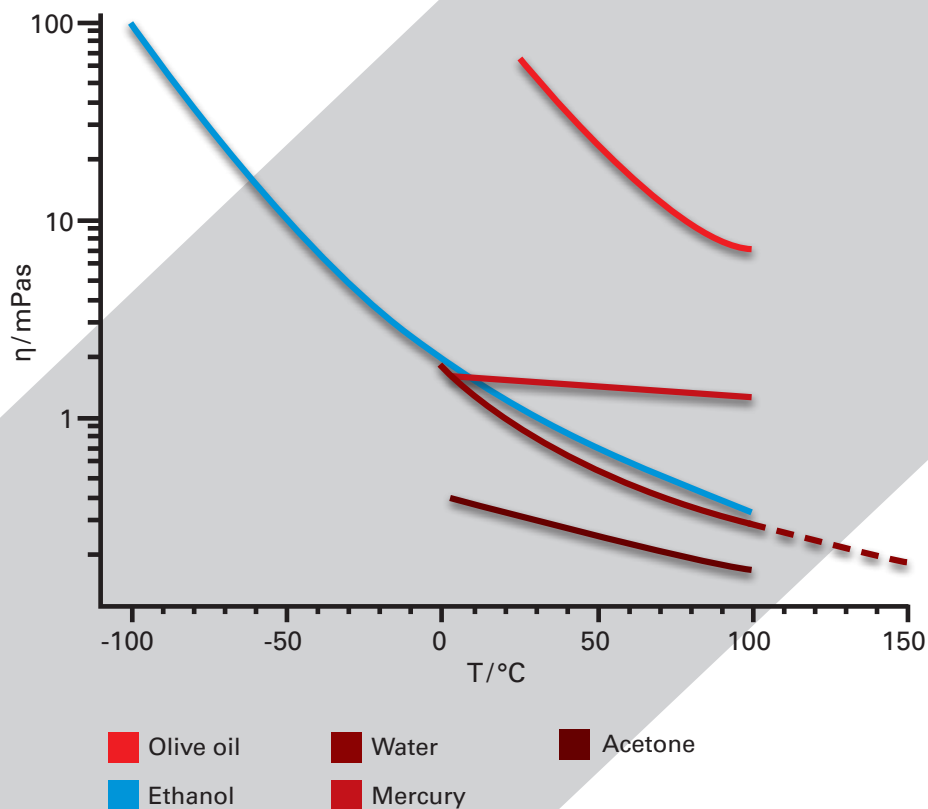
# DESIGN DETAILS

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
  - crystalizing
  - food
- **Parameters**
  - unheated
  - heated
  - process temperature
- Viscosity
- Feed rate
- Backpressure
- Density

## VISCOSITY

Temperature impact on various liquids at the same pressure:

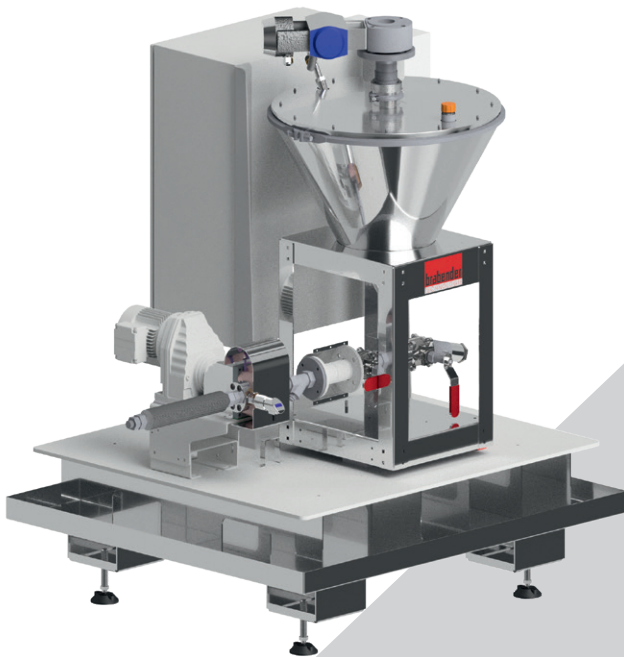


# FEEDING

## FDDW- CLASSIC

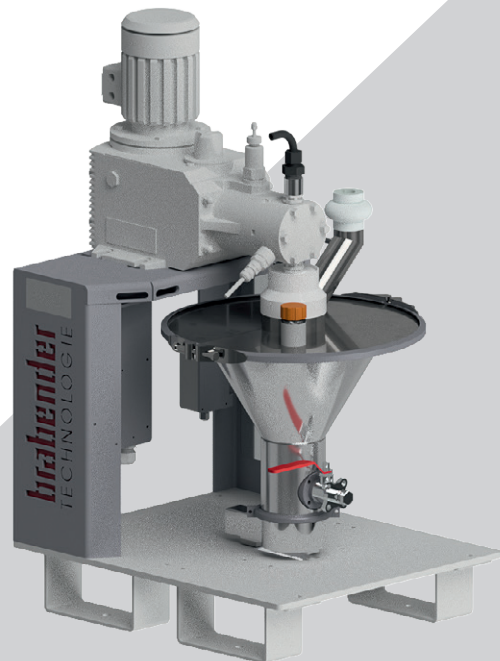
The FDDW Classic liquid feeder, where the motor and the pump are not weighed, enables liquids to be heated thoroughly up to 150 degrees Celsius. Its digital load cell records even the smallest feed rates. On request the FDDW Classic can also be fitted with an analog load cell or supplied in a volumetric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



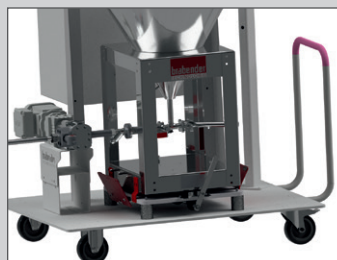
## FDDW- S

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.

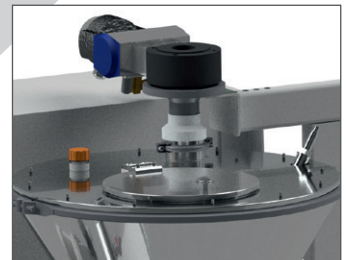


## ACCESSORIES/OPTIONS

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



Mobile design

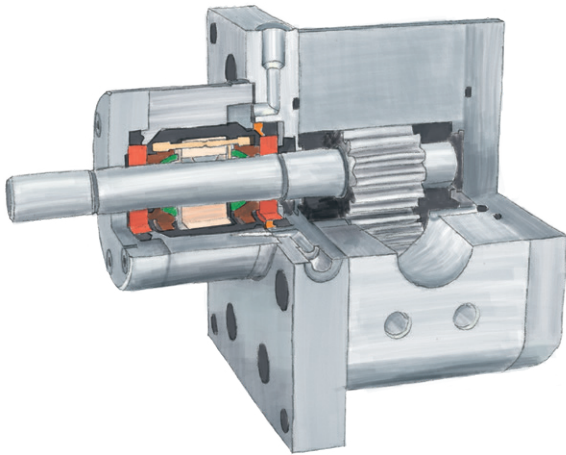


Refill ball valve

# CONVEYING

## GEAR PUMP

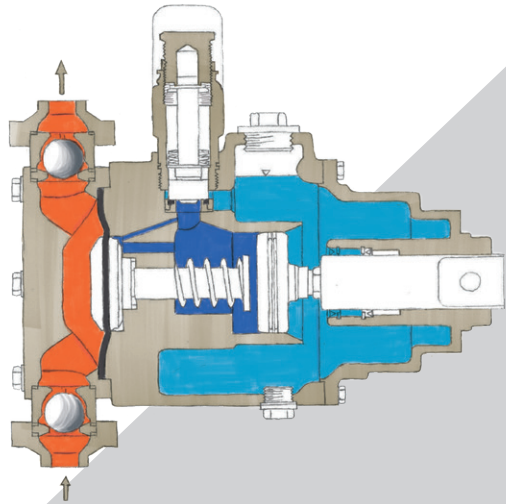
- compact and energy-efficient
- uniform conveying by means of counterrotating gears
- suitable for highly viscous media, e.g. silicone oils and prepolymers
- high degree of feeding accuracy
- pulsation-free



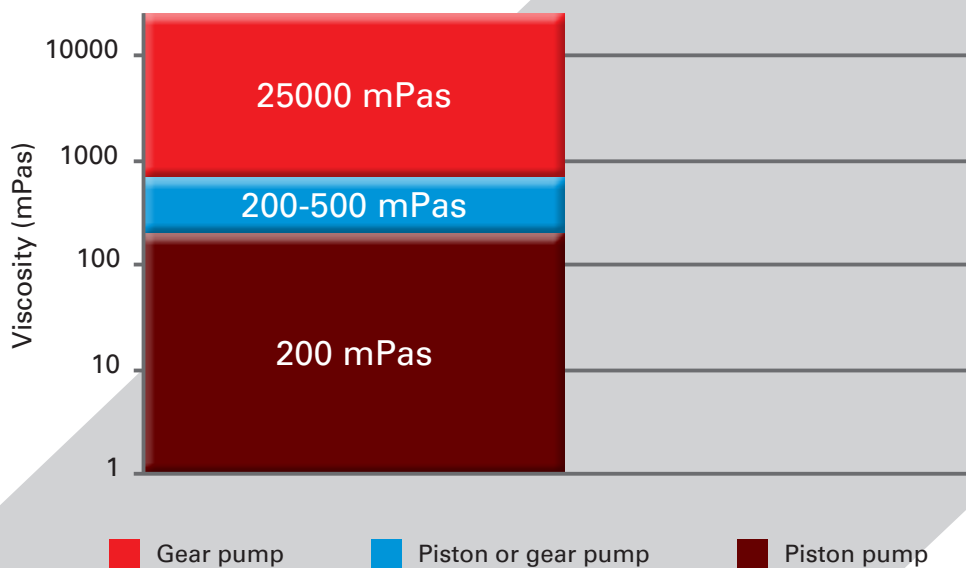
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## PISTON DIAPHRAGM PUMP

- 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.





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