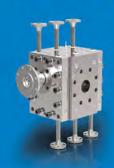
# BOOSTER



CHEM



**EXTRU** 



PURO



POLY



# **PURO**

Precision gear pump for the food Industries





# **PURO**

### Easy to clean and individually tunable

Stainless steel precision gear pump for conveying and metering of fluids with medium to low viscosity. Through decades of experience in design and selection of optimal materials, this type of pump suitable for even the toughest of tasks and impresses with its reliability and metering accuracy in the vacuum as well as high-pressure applications. Typical areas of application for this type of pump are to be found in the



cosmetic and food industries e.g. for conveying butter, margarine or vegetable oils. Pumps of this type can be supplied with or without heating (hydraulic or electric). The modular construction system for WITTE bearings, gears and shaft seals offers a maximum dimension of flexibility for the user. For better cleaning the pump has different flushing connections. An industry leading special design of this pump helps to minimize dead spots.

#### **Technical Features**

**Housing:** Stainless steel • tantalum • titanium • hastelloy

Gears: DIN 1.4112 standard • examples of optional materials include ferralium •

DIN 1.4571 • hastelloy • ferro titanite • and other available included coated options

Friction Bearings: NiAg (nickel-silver) • zirconium oxide • silicon carbide • other materials on request

Shaft Seals: Single mechanical seal • magnetic coupling • mechanical seals of other suppliers are

available as an option (with FDA approval)

**Heating Systems:** Hydraulic or electric

#### **Application Examples**

Food industry: Vegetable oils • margarine • flavourings • fudge • liquorice • chewing gum • vitamins •

syrup • gelatine • mustard • ketchup • sugar solution

### **Pump Sizes**

From 22/13 to 180/180.

## **Operating Parameters**

**Viscosity:** Up to 500.000 mPas

**Temperature:** Up to 200°C

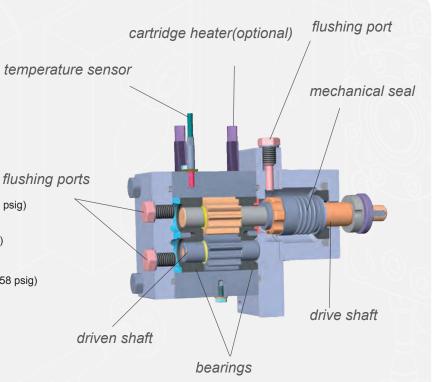
Inlet Pressure: Vacuum to max 15 bar (215 psig)

**Differential Pressure:** Up to 120 bar (1740 psig)

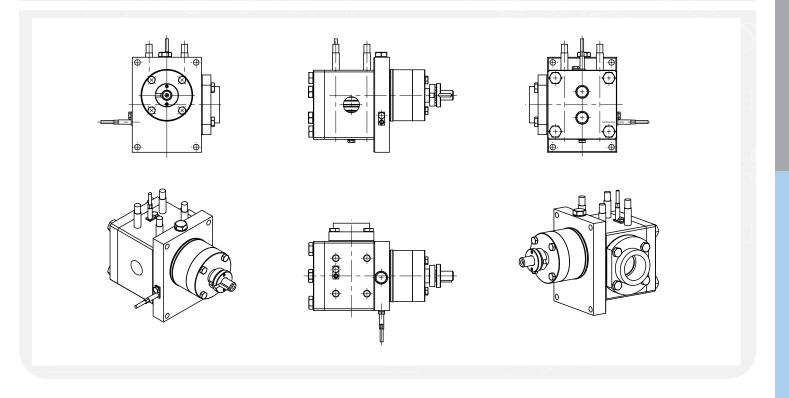
Conveying Pressure: Up to max. 135 bar (1958 psig)

#### Technische Daten

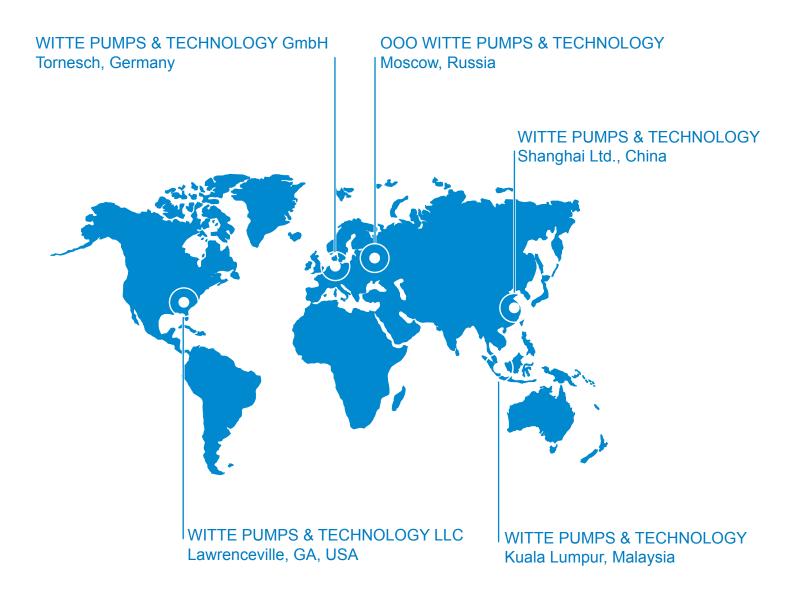
Pump size		Spec. displacement volume (cc/rev)
1/2	(22/13)	2,78
1	(22/22)	4,7
2	(28/28)	10,2
3	(36/36)	25,6
4	(45/45)	46,3
5	(56/56)	92,6
6	(70/70)	176
7	(90/90)	371
8	(110/110)	716
9	(140/140)	1.342
10	(180/180)	3200



The values listed are maximum values. In some cases the values do not occur together. Special materials and different designs can be offered on request. Flow rates vary depending on the volume to be pumped.



# **WITTE WORLDWIDE**



WITTE PUMPS & TECHNOLOGY GmbH Lise-Meitner-Allee 20 D-25436 Tornesch / Hamburg / Germany

P: +49 (0) 4120 70659-0 F: +49 (0) 4120 70659-49 info@witte-pumps.com www.witte-pumps.com

