

BOOSTER



CHEM



EXTRU



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POLY



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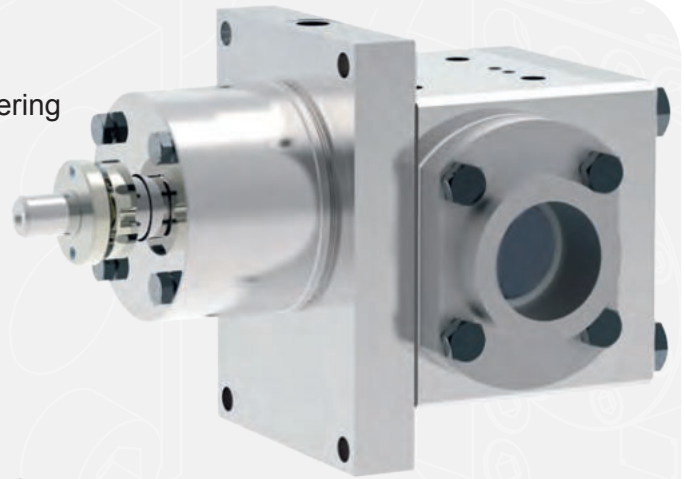
Precision gear pump
for the food Industries



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

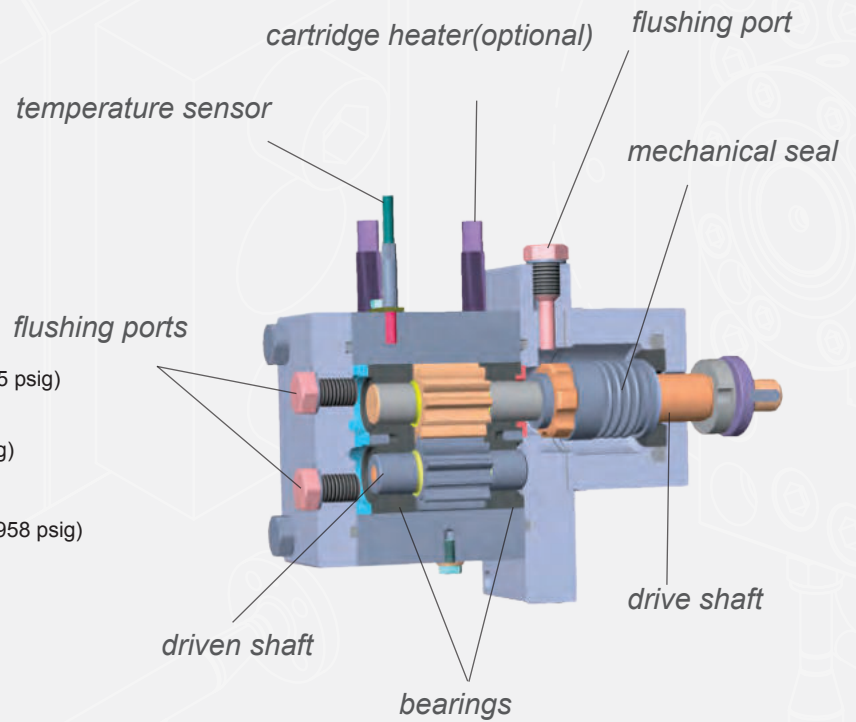
Inlet Pressure: Vacuum to max 15 bar (215 psig)

Differential Pressure: Up to 120 bar (1740 psig)

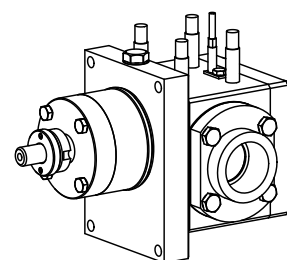
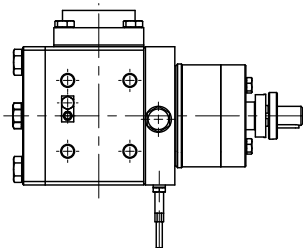
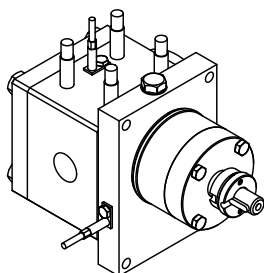
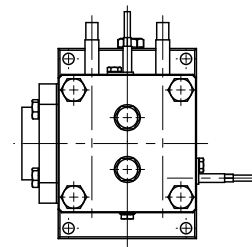
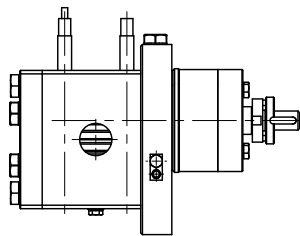
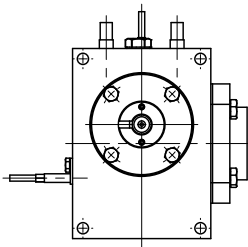
Conveying Pressure: Up to max. 135 bar (1958 psig)

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
Tornesch, Germany

OOO WITTE PUMPS & TECHNOLOGY
Moscow, Russia

WITTE PUMPS & TECHNOLOGY
Shanghai Ltd., China



WITTE PUMPS & TECHNOLOGY LLC
Lawrenceville, GA, USA

WITTE PUMPS & TECHNOLOGY
Kuala Lumpur, Malaysia

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

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