

ONE STEP AHEAD

### Conveyance Solutions for the

# Food and beverage industry







For gentle pumping of highly viscous or paste-like mediums

#### Who we are

## Why WANGEN PUMPEN?

The name WANGEN PUMPEN originates from Wangen in the Allgäu region of Germany, which is the location of the company's head office and main production site. Wangen is in the most southerly part of Germany, where the three countries Austria, Switzerland, and Germany join at Lake Constance.

Made in Germany, used worldwide. Customers trust and rely on pumps made by WANGEN PUM-PEN. It is a clear confirmation of our commitment to quality as the basis for long-term value.



Since the establishment of WANGEN PUMPEN in 1969, it has continued to expand from its beginnings as a small family business to a medium-sized company with a workforce of over 200 staff members.

Thanks to our consistent focus on the requirements of the market and our customers, our pumps are highly regarded at regional, national, and international levels.

Our quality recognition by our customers motivates us to retain and improve our company values every single day.



WANGEN PUMPEN has developed exactly the solutions that we need for the food industry. Thank you.



Headquarter building in Wangen, Germany



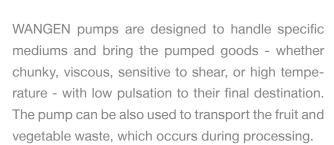
#### WANGEN pumps in your food or beverage company

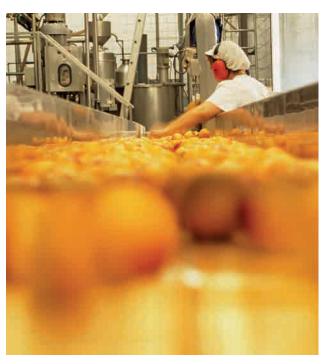
## **Applications**

The following are typical pumping applications:

- Confections, such as chocolate, marzipan, and waffle mix
- Dairy products, such as ice cream, butter, cheese, milk, and yoghurt
- Beverages, such as juices, beer, and wine
- Syrups or similar vicuous mediums
- Meat, such as sausages
- Fruit, such as apples, pears, melons, and raspberries
- · Vegetables, such as broccoli and cauliflower
- Baked goods, such as cookie, yeast, and whole grain dough
- Soy foods, such as tofu and soy bean oil

WANGEN pumps gently pump the products, allowing easy the processing of the smallest residual amounts and allow easy cleaning – which is especially important in the food industry – thanks to CIP (Cleaning in Place) or SIP (Sterilisation in Place) designed models. Our pump series satisfies the highest hygiene standards with EHEDG approval.







Butter blocks in the pump hopper



Caramel in the feed funnel



Marzipan mass after pumping



Feed process in a KL100RL120-8 V4A progressing cavity pump

#### WANGEN pumps in use

## The right pump for every area of use

#### Baking industry

The baking industry has been able to rely on the performance of WANGEN pumps for many years. Our strength lies in customer-specific solutions.

#### Meat processing

The high degree of automation and speed of meat industry changeover are an indication of the modern meat processing industry. This requires a flexible production plant and its frequent and thoroughly cleaning.

#### Dairy industry

The market for milk products is growing and with it price pressures. Therefore, the production plant has to increasingly be automated to ensure its operation.

#### Fruit and vegetable industry

The freshness and quality of fruits and vegetables are crucial. They are processed seasonally or year-round in the most careful way possible.







#### Confectionery industry

The confectionery industry works with all kinds of ingredients, which are sometimes viscoud, sticky, chunky or sensitive to shear. Over the decades we have developed pumps for specific customers, which may even be heated to pump some the most complicated media, in close collabo-

ration with the confectionery industry.

#### Beverage industry

In order to survive as a beverage manufacturer in an increasingly globalised market, product mix, quality and price have to be right. This requires flexible, cost-efficient production. Our broad product spectrum also has models in the series which can optionally be equipped with CIP or SIP as well as a series with EHEDG approval.

### Service and spare parts

All original WANGEN spare parts meet the strict requirements for functionality and reliability and are made in strict accordance with the Wangen quality standards. Spare parts, such as rotors and stators, are manufactured directly at our company. In this way, you receive first-class manufacturing quality and are thus able to ensure the long service-life of your pump.



#### WANGEN PUMPEN

### **Our Solutions**

WANGEN PUMPEN is able to cover the entire range with our hygienic pump series, which is necessary for processing foods and beverages.

#### Progressing cavity pump HYLINE

For hygienic conveying and dosing in the food & beverage industry. The flexible and maintenance-free joint is coated with elastomer.

The design prevents sedimentation of the media to be pumped.

#### Progressing cavity pump KB-SL

The series KB-SL "Hygienic", which was developed for the dairy industry, is certified according to EHEDG guidelines.

#### Progressing cavity pump KL-SL

For liquid and solid foods. Either with one or two tangentially inclined cleaning connections. The "Hygienic" model is optional and certified according to EHEDG guidelines.

#### Immersion pump KL-TL

For pumping highly viscous media from tanks and containers. Low space requirement thanks due to the vertical construction form.

#### Hopper feed pump KL-RL

Can be optionally heated or cooled. Long standing times, high viscosity range. Automatic operation possible.

#### Hopper pump KL-RF

Can be optionally heated or cooled. Long standing times, gentle product pumping, maintenance friendly.

#### Twin screw pump WANGEN Twin NG

For pumping low to highly viscous, volatile or gas-containing products. Can be optionally heated. Maximum pressure up to 30 bar. Spindle change without re-synchronisation of the spindle shafts, enabled by WANGEN PUMPEN's fast-X-change® technology.





#### Extract of our

### List of References

#### Germany Molasses / vinasse

Plant Raw material production for bakery

Product Progressing cavity pump

Pump type 27 x KL30S 50.2 Flowrate 27 x 3,5-6 m³/h Differential pressure up to 8 bar

#### Spain Fruit juice concentrate

Plant Beverage production

Product Hygienic twin screw pump

Pump type 4 x Twin 130 Flowrate 4 x 8-27 m³/h Differential pressure 6-15 bar

#### Poland Processed cheese

Plant Milk processing

Product Hygienic twin screw pump Pump type 3 x Twin 130; 3 x Twin 104

Flowrate 3 x 0,8-30 m<sup>3</sup>/h

Differential pressure 8-16 bar







#### Extract of our

### List of References

Germany	Coffee grounds
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Plant Coffee production

Product Hygienic twin screw pump

Pump type $5 \times 10^{130}$ Flowrate $5 \times 5-12 \text{ m}^3/\text{h}$ Differential pressureup to 2 bar

#### Slovenia Baby food

Plant Baby food production

Product Hygienic twin screw pump

Pump type 6 x Twin 70
Flowrate 6 x 3 m<sup>3</sup>/h

Differential pressure up to 4 bar

#### Italy Olive paste/olive mash

Plant Olive processing

Product Hopper progressing cavity pumps

Pump type above 100 x KB30 R 60.0 Flowrate above 100 x 1,4-6,4 m<sup>3</sup>/h

Differential pressure up to 3 bar





ONE STEP AHEAD





WANGEN PUMPEN quality management is certified to ISO 9001.

#### **Tested sustainability**

WANGEN PUMPEN environmental management is certified to ISO 14001.



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