

## Type WANGEN Twin



### Performance Data

Flowrate	up to 100 m <sup>3</sup> /h (440.3 gpm)
Maximum differential pressure	up to 16 bar / 232 psi

The WANGEN Twin screw pump is part of the hygienic pumping solutions from WANGEN and was designed to reliably pump low to highly viscous, volatile or gaseous products and for applications where maximum hygiene and efficiency is required. The WANGEN Twin can be optionally heated for conveying special media. Produced according to the highest hygiene specifications - EHEDG or 3A-certified manufacturing processes.

### Benefits and Characteristics

- EHEDG certified
- Excellent price/performance ratio
- Low Life Cycle Costs
- High suction lift (self-priming)
- High operational reliability
- Compact design
- Compact design avoids dead space and stagnant zones

- Rigorous modular principle for high flexibility, low stocking of spare parts, short downtimes for maintenance and repairs
- Almost pulsation-free conveyance
- Optional heating or cooling jackets
- Optionally with base plate or mobile
- Pump can be produced according to 3A guidelines
- Gentle pumping
- Special versions available for adapting to existing plants
- Maintenance-friendly
- Quick and easy manual cleaning
- Eliminates the need for a separate centrifugal pump for CIP cleaning
- Large viscosity range
- High priming capacity
- Low servicing costs
- Top results for SIP and CIP cleaning
- Can run dry

### **Fields of Application**

Very high rotational speed range allows either product or cleaning fluid to be pumped as required. High rotational speeds in cleaning operations ensure that the self-cleaning effect of the pump works.

- suction
- feeding
- filling
- transfer pumping
- feeding
- rinsing
- dosing
- For use as feeding, unloading and recirculation pump
- CIP (Cleaning in Place) and SIP (Sterilisation in Place)
- Conveying media
- Low pulsation

### **Suitable for the following media**

- alcohol
- flavourings
- beer
- chili sauce
- cremes
- ice cream
- protein
- paint
- fat
- meat loaf
- liquid sugar
- fruit juice
- gelatine
- glycerin
- hot wine lees
- yeast

- raspberries
- honey
- hop extract
- yoghurt
- glue
- jam
- mayonnaise
- milk
- olive paste
- pectin
- processed cheese
- chocolate
- shampoo
- soap
- mustard
- soybean oil
- soup flavours
- tomato puree
- tofu
- vaseline
- sausage meat

## Technology/Details

- Service-proven sealing systems
- flexible drive selection
- ground, electropolished surfaces
- large variety of flange connections
- Various mechanical seals as standard versions
- CIP (Cleaning in Place)
- Easy cleaning thanks to construction with little dead space
- Rpm (rotations per minute) range from 100 to 4.000 min<sup>-1</sup>
- Lip seal, single-action mechanical seals or double-action mechanical seals
- Surfaces of the parts in contact with the product: Ra < 0,8 µm
- Materials in contact with the product: stainless steel 1.4404
- Priming capacity with NPSHR < 2 m
- Viskosity range from 0,5 to 1.000.000 mPas