WANGEN PUMPS



# BIO-ROXX

**Optimal substrate preparation. Greater efficiency throughout the entire plant process.**

Challenging substrates.
Stable processes. Reliable operation.

## BETTER GAS QUALITY

Less air entrainment reduces $O_2$ and $N_2$ for more efficient biomethane upgrading

## HOMOGENEOUS SUBSTRATE

Prevents floating layers and stabilizes the biological process

## LOWER VISCOSITY

Reduces the energy demand of agitators in the fermenter

## SYSTEM PROTECTION

Fewer foreign objects mean less wear, greater operational reliability and longer service life for pumps and agitators

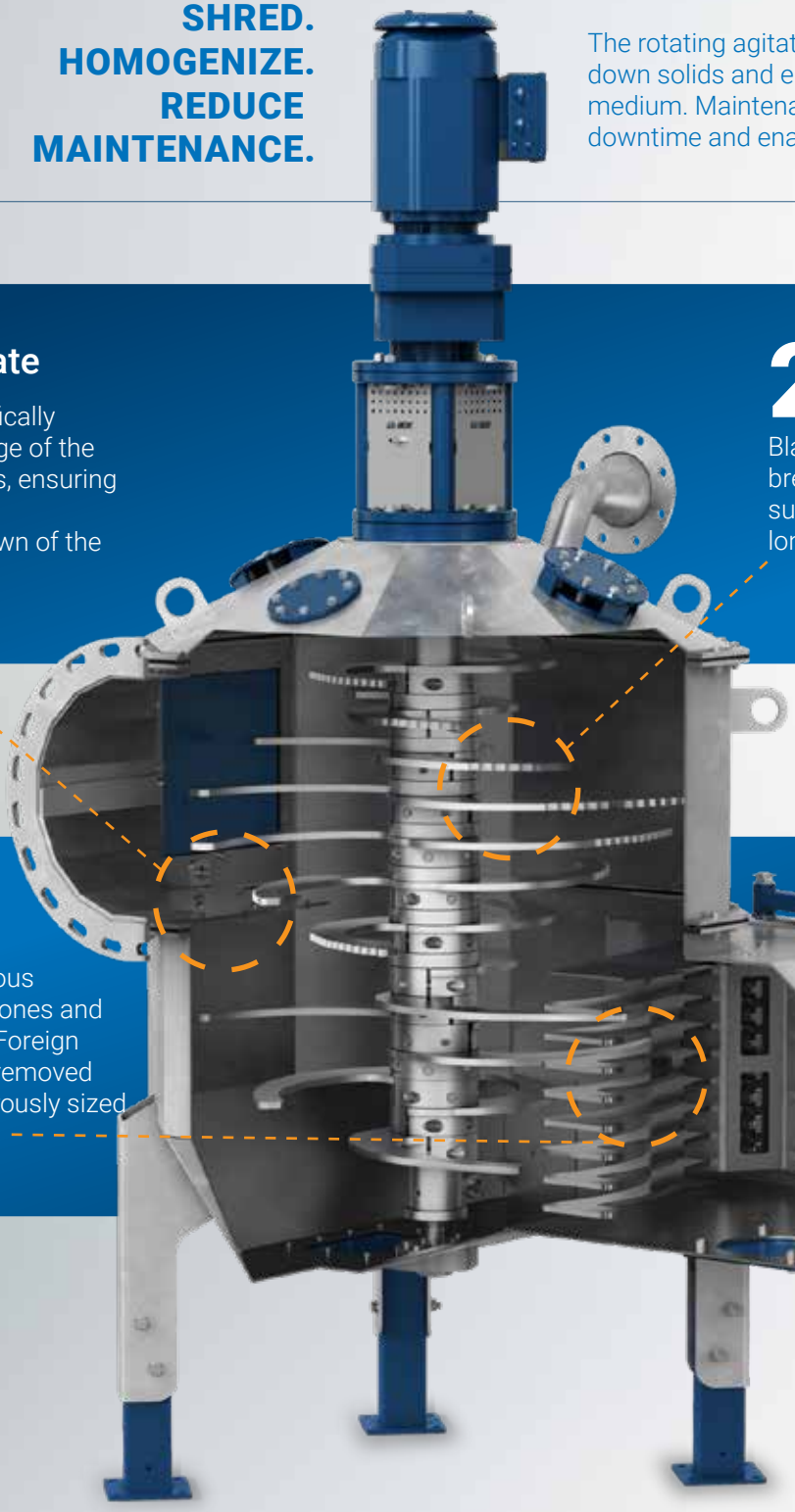
# BIO-ROXX

Efficient mixing of high-fibre solids with liquid and separation of foreign objects.

WANGEN PUMPS

**SHRED.**
**HOMOGENIZE.**
**REDUCE MAINTENANCE.**

The rotating agitator unit effectively breaks down solids and ensures optimum mixing of the medium. Maintenance-friendly details reduce downtime and enable fast servicing.



## Solid deposit plate

Keeps dry solids specifically within the effective range of the serrated agitator blades, ensuring particularly effective loosening and breakdown of the material

## 21 curved agitator blades

Blade geometry for optimum breakdown and mixing of the substrate | Reduced traps for long-fibre substrate

## Stone trap

For the continuous separation of stones and metal objects | Foreign objects can be removed through a generously sized service opening

## Flexible flange sizes

Flange adapters in DN200 or DN250 available | Adaptation options for different substrates and plant concepts

| | |
|---|---|
| Max. flow rate: | 130 m³/h |
| Nominal engine power: | 7.5 kW |
| Dry matter content: | 18 % |

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wangen.com

Pumpenfabrik Wangen GmbH
Simoniusstraße 17
88239 Wangen im Allgaeu | GER
+49 7522 997 0
mail@wangen.com