

Don't Let Your Pump Cost You Time, Money or an Imperfect Product.

With our 10+ years experience and technical knowledge, we won't just supply a pump to "fit" your process, we'll find you the **RIGHT** pump to deliver your process!



COMMON PROBLEMS WE CAN PREVENT!

Changes in Consistency – To prevent delicate products being damaged or altered, we can offer low shear pumps.

Crushing of Solids – Choose from our range of low shear pumps with the correct size solid handling capabilities.

Inaccuracy – To ensure consistent and accurate dosing of ingredients we specify smooth, non pulsing flow pumps with the addition of a batch meter.

Manual Intervention – We can improve your workers' productivity with the addition of control features such as dry run protection, level switches, control panels and batch meters!

Product Wastage – Our range includes options capable of 99.8% container emptying to limit any waste.

Excessive Wear – By selecting the right pump that isn't being pushed to its limits by the application requirements, regularly replacing spare parts will be a thing of the past!

PROVEN SOLUTIONS:

APPLE JUICE CONCENTRATE



HOT, VISCOUS BOLOGNESE



HIGH VISCOSITY CAKE MIX



TYPICAL FLUIDS

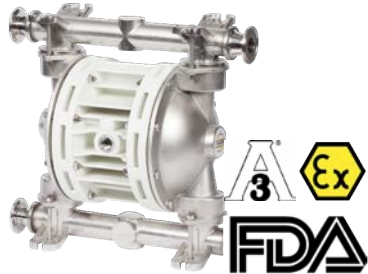
- ✔ Sauces, syrups & condiments
- ✔ Milk, cream, yogurt & liquid egg
- ✔ Fruit juices, pulp & tomatoes
- ✔ Beer, wine & spirits
- ✔ Edible oils & fats
- ✔ Pastes & purées
- ✔ Dosing ingredients/additives
- ✔ Waste residue slurries
- ✔ Cleaning chemicals



CASTLE PUMPS LTD

Food Pump Range

Types Available



AODD.

Models – Food & Sani Boxer

Max. Flow – 54 M³H

Max. Pressure – 8 bar

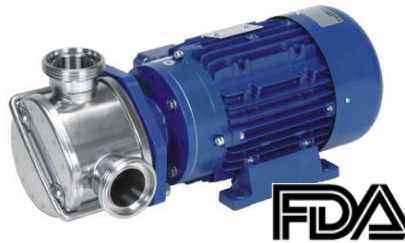
Max. Viscosity – 50,000 CP

Solid Handling – up to 10 mm

Low Shear ✓

Approvals – Both FDA & ATEX Rated for Explosive Environments.

+ Sani Boxer: 3A & Clean-in-Place



FLEXIBLE IMPELLER.

Max. Flow – 72 M³H

Max. Pressure – 4 bar

Max. Viscosity – 50,000 CP

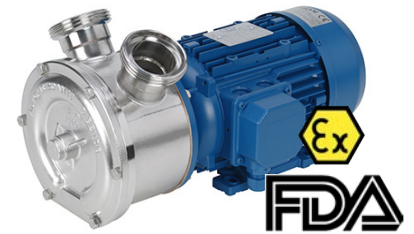
Solid Handling – up to 25 mm

Low Cost Solution ✓

Low Shear ✓

Approvals – FDA

+ Sanitary enclosure available for extra protection of the pump motor



SIDE CHANNEL.

Max. Flow – 58 M³H

Max. Pressure – 6 bar

Clean, Low Viscosity Fluids – up to 100 CP

High Temperature Fluids ✓

Fluids with Gas Content ✓

Approvals – FDA & ATEX Rated

+ Sanitary enclosure available for extra protection of the pump motor



PERISTALTIC.

Max. Flow – 36 M³H

Max. Pressure – 15 bar

Max. Viscosity – 30,000 CP

Solid Handling – up to 100 mm

Low Shear ✓

High Performance ✓

Approvals – FDA & ATEX Rated for Explosive Environments



CENTRIFUGAL.

Max. Flow – 105 M³H

Max. Pressure – 8 bar

Clean, Low Viscosity Fluids – up to 800CP

High Temperature Fluids ✓

Approvals – FDA & EHEDG

+ Sanitary enclosure available for extra protection of the pump motor



BARREL.

Max. Flow – 14.4 M³H

Max. Pressure – 8 bar

Max. Viscosity – 80,000 CP

Solid Handling – up to 10 mm

Low Shear ✓

99.98% Barrel Emptying ✓

Approvals – FDA, 3A & ATEX Rated for Explosive Environments



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