

## NEMO® BO Sanitary Prime Open Hopper Pump

Ideal for raw material handling, fruits, vegetables, and meat emulsions

**FDA compliant pump for non free-flowing applications**

NEMO® BO Sanitary Prime Open Hopper Pumps are designed to handle high-consistency products with a low degree of flowability. These pumps provide continuous, pressure-stable, gentle and low-pulsation conveyance with metering in proportion to rotational speed.

The pump housing is designed with a larger, rectangular hopper and force-feed chamber. The coupling rod is equipped with a conveyor auger that transports the product into the rotor/stator system. The auger is oversized and provides about 80% more flow to ensure improved pump efficiency. The conveyor auger is perfectly synchronized with the rotor/stator system and covers almost the entire hopper opening. The hopper opening can be customized to fit individual specifications.

### Your Benefits

- Gentle conveyance.
- Economical operation and routine maintenance requirements only.
- Close coupled, compact and economical.
- Low noise, low vibration.
- Easy to clean and service.
- Adaptable to meet your closed-system requirements.
- Can handle non-free-flowing products such as fruits, vegetables, and meat emulsions.

### NEMO® BO Sanitary Prime Open Hopper Pump Features

- FDA compliant materials.
- Pump housing with enlarged rectangular hopper.
- Force-feed chamber.
- Integrated feeding screw in the hopper.
- Continuous low-pulsation conveyance unaffected by fluctuations in pressure and viscosity.
- Flow volume in direct proportion to rotational speed.
- High pressure capability without valves.
- Stator with funnel-shaped entrance for optimal filling of the conveying chamber.
- Stainless steel housing.
- Internal product contact surfaces polished to 32 Ra, externally blasted.
- Centered discharge.
- Food grade lubricated joint.

### Capabilities

- Flow: 880 gpm / 200 m<sup>3</sup>/h
- Pressure: 360 psi / 24 bar
- Particle size: 3" / 76 mm



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