

## Progressing cavity pumps and industrial grinders

# PROGRESSING CAVITY PUMPS

## Progressing cavity pump principle

The progressing cavity pump is a positive displacement pump with a constant flow rate. The rotation of the helical rotor transfers the fluid inside the double-helix stator, **without damaging the medium thanks to its peculiar design.**

**Sydex** pumps ensure very low shear operations and no pulsation: they are ideal for any task which requires a steady flow, whatever the values of viscosities and pressure.



## FREE MOULDED PUMP FM range



### FEATURES AND BENEFITS

- Compact
- Easy and quick maintenance
- Cost effective solution

### PERFORMANCES

- Flow rate: up to 18 m<sup>3</sup>/h [up to 79 USGPM]
- Pressure: up to 4 bar [58 PSI]
- 8 models

## METERING PUMP M range



### FEATURES AND BENEFITS

- Versatile
- Accurate
- Compact
- Reliable
- Easy and quick maintenance

### PERFORMANCES

- Flow rate: from 3 to 300 l/h [0.013 to 1.32 USGPM]
- Pressure: up to 72 bar [1044 PSI]
- 4 models

## SLUDGE PUMP K range



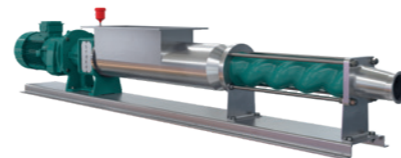
### FEATURES AND BENEFITS

- Robust
- Compact
- Cost effective solution
- Easy and quick maintenance

### PERFORMANCES

- Flow rate: from 0.1 m<sup>3</sup>/h to 300 m<sup>3</sup>/h [0.44 to 1320 USGPM]
- Pressure: up to 48 bar [696 PSI]
- 60 models

## HOPPER PUMP W range



### FEATURES AND BENEFITS

- Robust
- Compact
- Ideal for high viscosity fluids
- Easy maintenance

### PERFORMANCES

- Flow rate: from 0.1 m<sup>3</sup>/h up to 200 m<sup>3</sup>/h [0.44 to 880 USGPM]
- Pressure: up to 24 bar [348 PSI]
- 34 models

## FEEDING SCREW PUMP G range



### FEATURES AND BENEFITS

- Robust
- Ideal for dehydrated and high-density fluids
- Biogas applications
- Easy maintenance

### PERFORMANCES

- Flow rate: up to 100 m<sup>3</sup>/h [440 USGPM]
- Pressure: up to 48 bar [696 PSI]
- 22 models

## HYGIENIC PUMP H range



### FEATURES AND BENEFITS

- Versatile
- Hygienic applications
- Ideal for sensitive food products
- Cost effective solution
- Easy and quick maintenance

### PERFORMANCES

- Flow rate: up to 140 m<sup>3</sup>/h [616 USGPM]
- Pressure: up to 24 bar [348 PSI]
- 36 models

## VERTICAL BARREL AND DRUM PUMP BE range



### FEATURES AND BENEFITS

- Versatile
- High viscosity and shear sensitive fluids
- Barrel and drum emptying
- Cost effective solution
- Easy and quick maintenance

### PERFORMANCES

- Flow rate: from 0.1 m<sup>3</sup>/h to 5 m<sup>3</sup>/h [0.44 to 22 USGPM]
- Pressure: up to 12 bar [174 PSI]
- 10 models

## VERTICAL API 676 PUMP E range



### FEATURES AND BENEFITS

- Ideal for Oil&Gas applications
- Robust
- High suction capacity (NPSHA)
- Small footprint

### PERFORMANCES

- Flow rate: up to 140 m<sup>3</sup>/h [616 USGPM]
- Pressure: fino a 24 bar [348 PSI]
- 25 models

# INDUSTRIAL GRINDER & MACERATOR

## Eliminator range



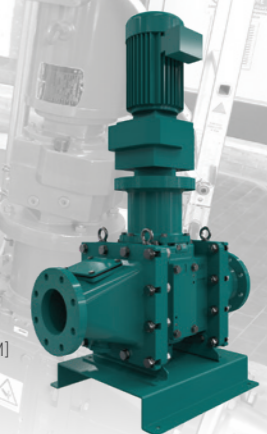
### FEATURES AND BENEFITS

- Light weight and compact
- Versatile configuration
- Easy and quick maintenance
- Engineered for soft particles

### PERFORMANCES

- Flow rate: up to 3.5 m<sup>3</sup>/h [15 USGPM]
- Pressure: up to 6 bar

## Defender range



### FEATURES AND BENEFITS

- Robust
- Low head loss
- Fast installation
- Easy and quick maintenance
- Cost effective solution
- Customized equipment

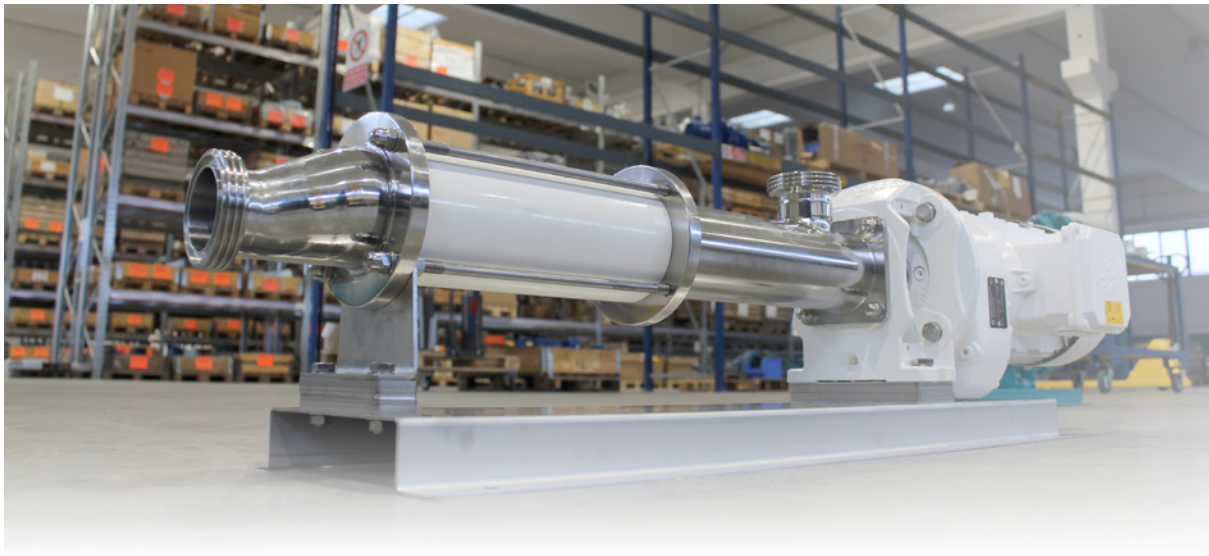
### PERFORMANCES

- Flow rate: up to 200 m<sup>3</sup>/h [880 USGPM]
- 3 models

# SYDEX - ABOUT US

Sydex is a dynamic, capable and well-established Italian company; Progressing Cavity Pumps are its core business.

Sydex strives to work with customers to find the best solution to their challenges in every kind of operating conditions: flow rate, pressure, viscosity and type of fluid. A wide range of products is available, engineered to guarantee high performances and maximum reliability. The customers and Sydex select together the right pumps, grinders and accessories in order to achieve all their objectives.



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