



# BAUER

*FOR A GREEN WORLD*

## **MAGNUM SX**

Pumps for Slurry and Viscous Liquids



# MAGNUM SX

## Pumping and Chopping

- Can handle up to 12% solids
- Capacity of up to 300 m<sup>3</sup>/h (1320 USgpm)
- Manometric head of up to 140 m (459 ft) WC
- For pumping and chopping
- High cutting performance
- Largely insensitive to solid particles
- Efficient and economical
- Low operating costs
- Easy maintenance
- Multi-Drive – different driving options
- Self-primer (optional equipment)
- Automatic pressure regulation (optional equipment)

### Product series Magnum SX

- SX 1000 with heavy-duty gear as tractor pump
- SX 2000 with heavy-duty gear for Diesel engines
- SX 2600 with pedestal for electric drive motors

### Mounting variants

- SX 1000 on a pump trolley
- SX 1000 on a hoisting frame for three-point linkage
- SX 2000 on a trailer with Diesel engine
- SX 2000 on a mobile unit with Diesel engine
- SX 2600 on a base plate with electric drive motor

### Applications

- Agriculture:** hose lines, slurry irrigation, pump tankers, mobile and stationary transfer pumps, biogas plants
- Foodstuff industry:** slaughter houses, feces
- Environmental technology:** sewage sludge, digested sludge, fecal sludge
- Bio-energy industry**

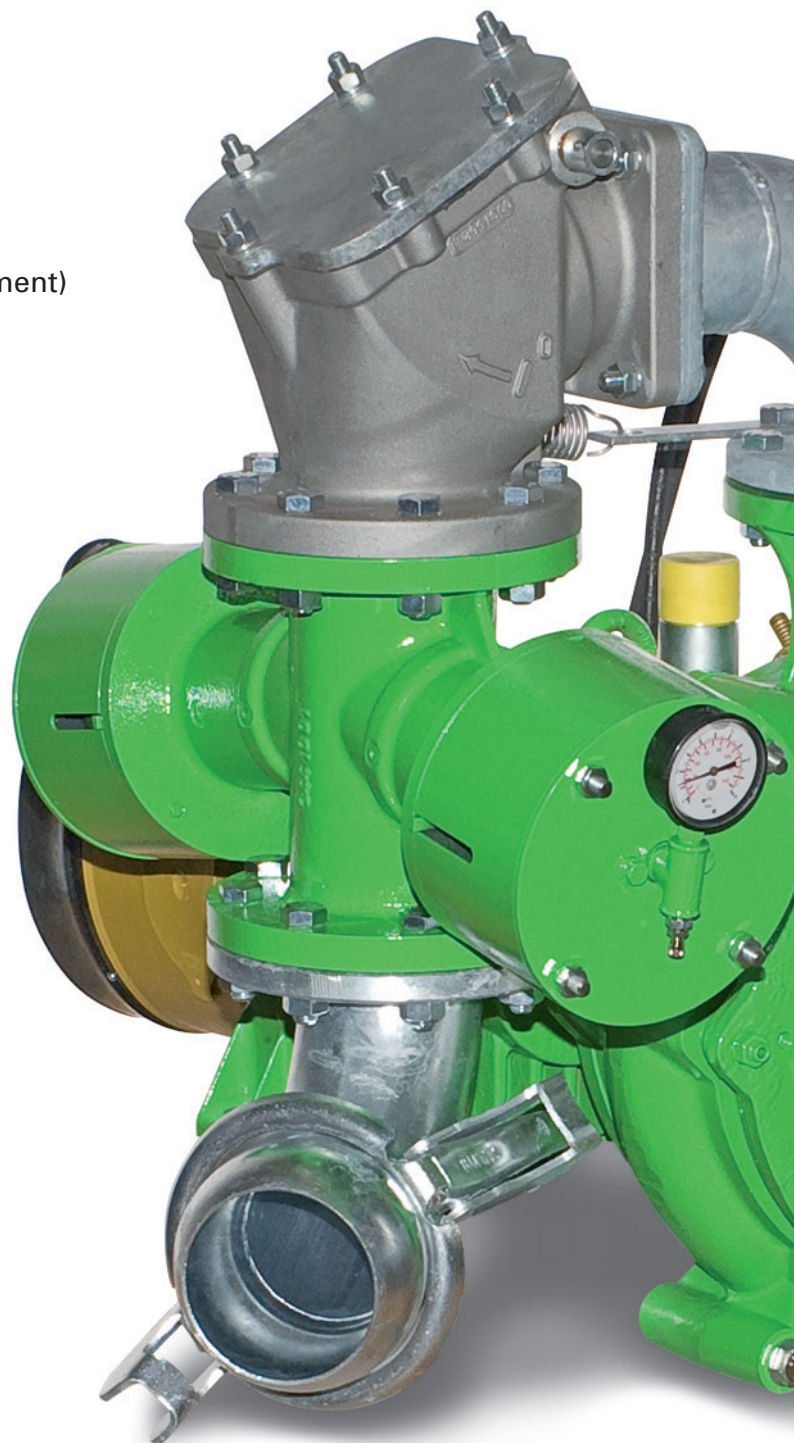


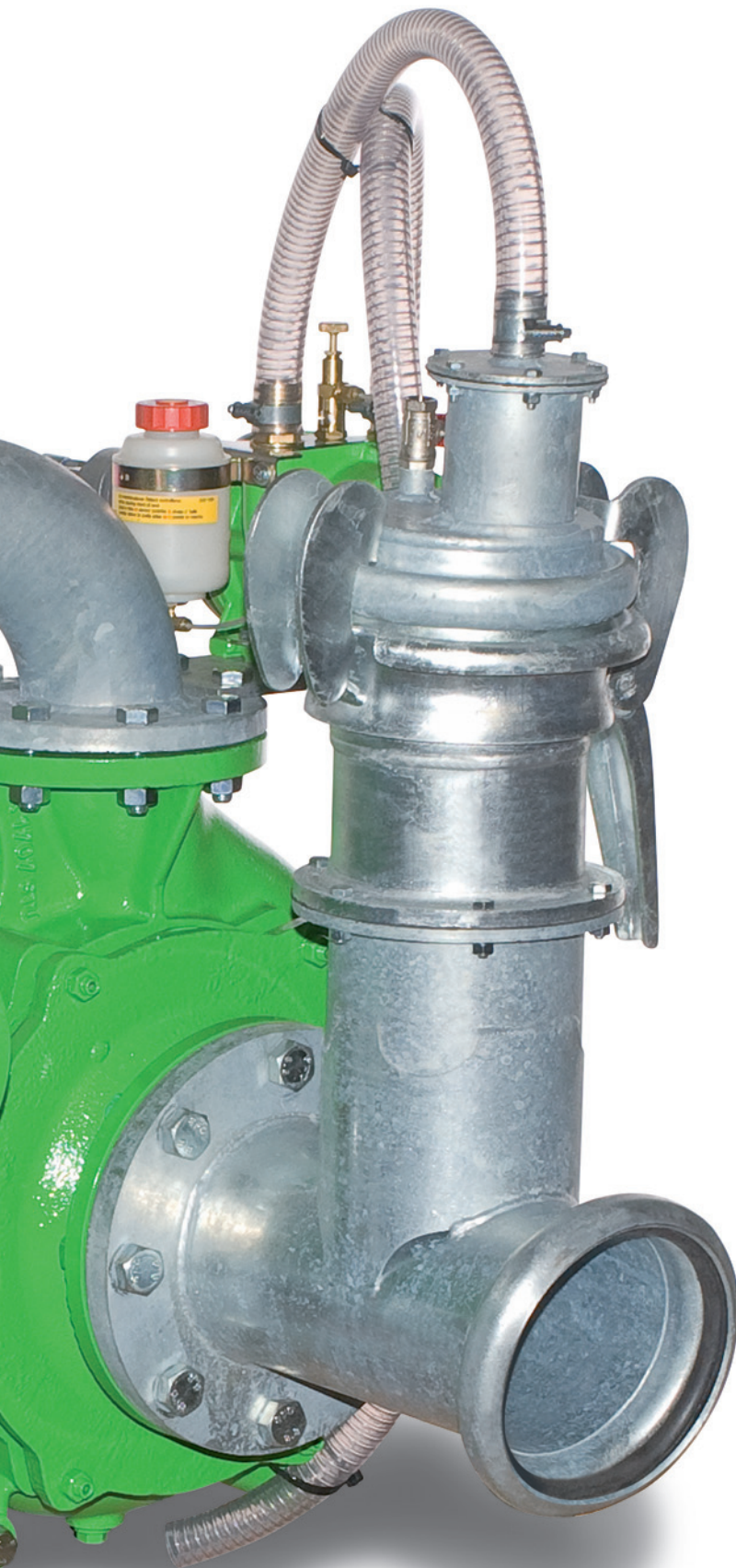
Photo: SX1000 with pneumatic pressure regulating valve





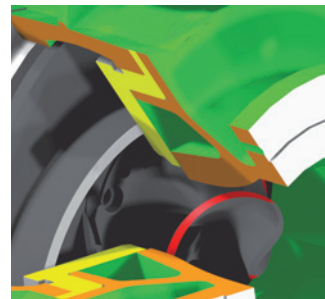
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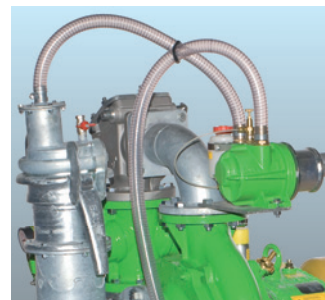
## Technical features

- **Pump Housing**  
Of special design, ensures unobstructed delivery of viscous liquids
- **Cutting blades**  
Easily adjustable to maintain the ideal cutting gap, draw cut, high-grade casting
- **Suction flange**  
Ensures enormous suction capacity, avoids turbulences
- **Protection plates**  
For a long service life
- **Shaft sealing**  
Of industrial standard, double-acting mechanical seal with oil reservoir
- **Pump shaft and bearing**  
Amplly dimensioned
- **Gearbox**  
Of compact industrial design
- **Automatic pressure regulation (optional equipment)**  
For changing conditions of use



### Impeller

High-grade casting, maximum wear-resistance, ideal runner blade geometry, draw cut, best suited for liquids containing straw or grass, open design of impeller for viscous liquids, double-acting, keeps the sealing space free of solid particles



### Self-primer (optional equipment)

Mechanical, hydraulic or electro-mechanical execution

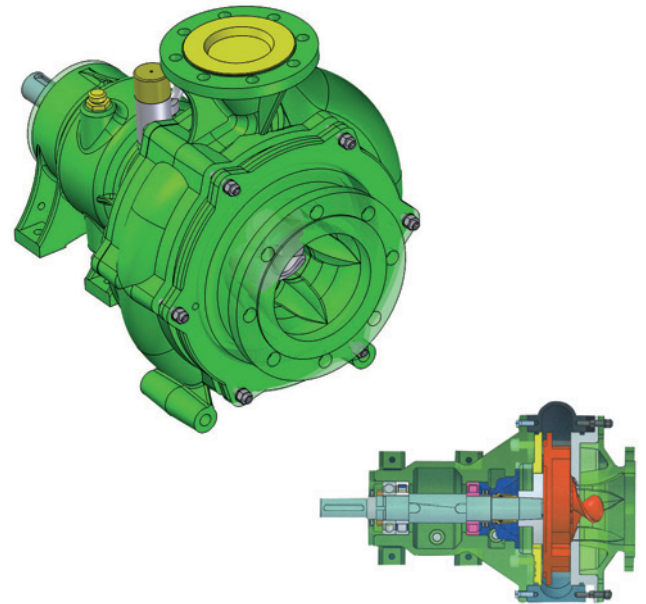
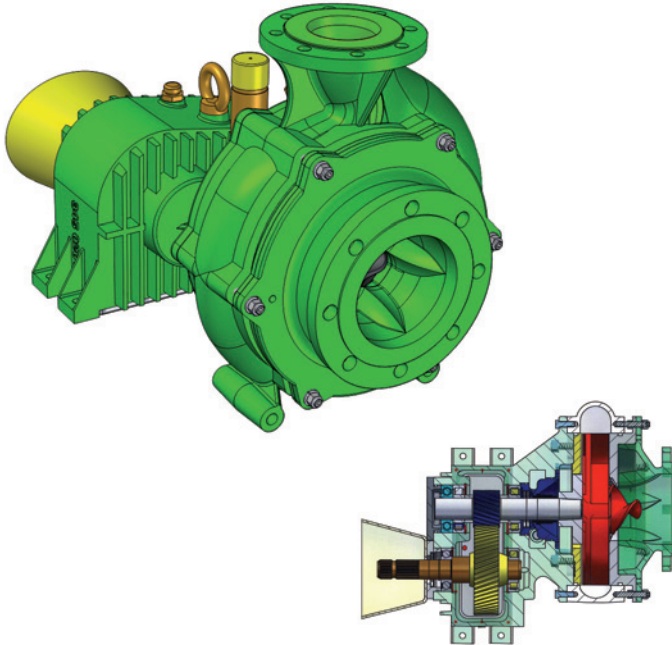


### Automatic pressure regulation (optional equipment)

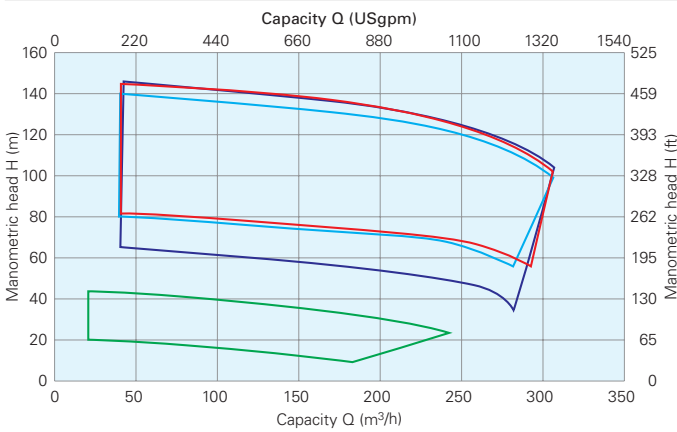
For changing conditions of use



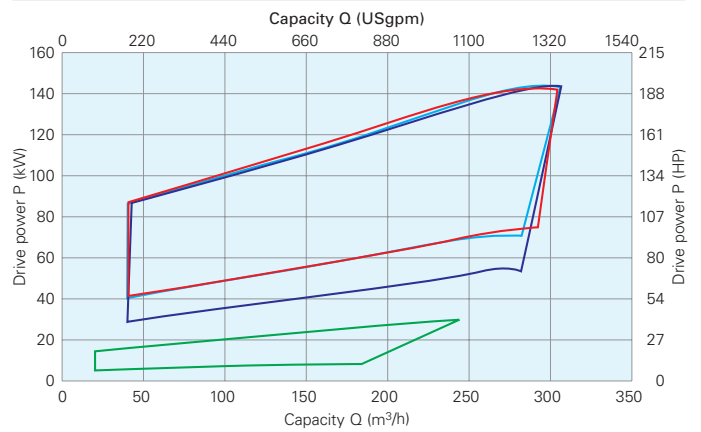
## Technical Data



### Pressure- and capacity ranges



### Power- and capacity ranges



■ SX 1000   
 ■ SX 2000   
 ■ SX 2600   
 ■ SX 2600/1450

All values apply to water with an 8" intake line.

The performances of all SX pumps are in principle identical. They are based on the maximum nominal speed of impeller of 2600 rpm, however, with different driving- / and input speeds of up to 1000, 2000 or 2600 rpm

Pump configuration according to data sheet curves

Your dealer:

Röhren- und Pumpenwerk BAUER Ges.m.b.H.  
 8570 Voitsberg, Austria  
 Phone +43 3142 200-0  
 Fax +43 3142 200-320 / -340  
 sales@bauer-at.com  
 www.bauer-at.com

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