

Scienco BC6

Intermediate Bulk Container Pump and Drive Unit



Versatile and Reliable Closed Pumping System

The Scienco BC6 pump is a versatile self-priming diaphragm pump designed for use with intermediate bulk containers. This rugged pump is capable of pumping high and low viscosity fluids as well as suspended solids. Its unique mounting design makes it ideal for closed system mixing, transferring and rinsing since the pump never needs to be removed and the container never needs to be opened for these operations. Its removable drive unit offers reduced total operating costs by enabling multiple unit pumping with a single drive unit.

Applications

- Agriculture
- Chemical transfer
- Non-flammable liquids
- Light oils
- Inks
- Automotive fluids

Pump Operating Parameters

- Flows to 45 l/m (12 gpm)
- Heads to 3.6 m (12 ft)
- Pressures to 1.7 bar (25 psi)
- Temperatures to 55°C (130°F)
- Viscosities to 2500 cP (11 600 ssu)

Features and Benefits

Six Piston Diaphragm Construction is highly reliable and can run dry without damage.

Unique Mounting Design enables closed system mixing, transfer and rinsing.

Low Profile Design allows stacking of tank with pump installed.

Unique Slip-In-Place Discharge Port rotates for easy operation.

Removable Drive Unit enables multiple unit pumping with a single drive unit.

Optional Bottom-Mount, Adjustable Dip Tube enables use with numerous tank sizes.

Low Amperage Draw allows the drive unit to operate without overheating.

Pump Cover protects pistons and springs from damage and contamination when not in use.

Manual Tank Vent is standard.

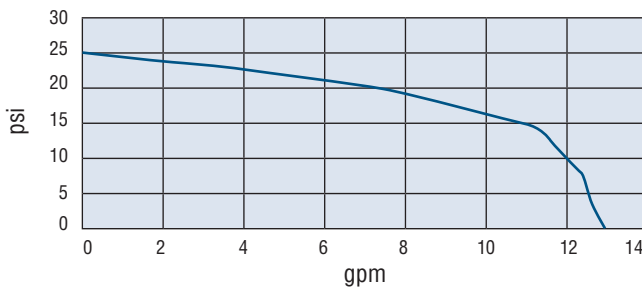
Materials of Construction

| Component | Material |
|-----------------------|---|
| Pump housing | Glass-filled polypropylene |
| Internal wetted parts | Polypropylene, Ryton® and stainless steel |
| Diaphragm | Santoprene® |
| Gaskets and O-rings | EPDM (Viton® and Buna-N® optional) |
| Coupling | EPDM (Viton optional) |
| Hose clamps | Stainless steel |
| Discharge hose | EPDM |

Note: Ensure chemical compatibility between liquid pumped and wetted pump components prior to use.

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- © Santoprene is a registered trademark of Advanced Elastomer Systems.
- © Viton is a registered trademark of DuPont Dow Elastomers, LLC.
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Pressure vs. Flow (water @ 70° F)



Removable BC6 Drive Unit

The BC6 Drive Unit is a 12-volt motor (110 V AC available) specifically designed for use with the BC6 pump. This unit is well suited to operate the BC6 pump transferring viscous or thin liquids and is easily removed to facilitate maintenance. This feature also enables multiple unit pumping with a single drive unit; operating costs are reduced since multiple drive units are not needed.

The BC6 Drive Unit is available alone or as part of a package. The BC6 Drive Unit package includes: BC6 motor, discharge elbow, discharge hose, ball valve and spout.

Operating Parameters

- Operating current: 15 to 25 amps
- Speed: 2600 rpm
- Power source: 12 V DC; 110 V AC optional



BC6 Drive Unit

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