CT6 Advanced Mixing Pump

For viscous agricultural chemicals



Easy-to-use, mini-bulk mixing and pumping system

The CT6 advanced mixing system is designed for use with intermediate bulk containers (IBCs). Mix and keep chemicals in solution as well as dispense fluid without unnecessary tool changes or wasted set-up time. This proprietary design by Flowserve provides an easy-to-use, two-in-one mixing and pumping solution.

The CT6 advanced mixing pump is used primarily in the agricultural industry and can handle the toughest-to-mix viscous pre-emergent chemicals and others, all with a 12-volt power supply.

Save time with high flow rates and simplified maintenance

The CT6 pump provides the highest flow rates, enabling faster load times — even on the thickest agricultural chemicals. It's self-priming from a dry state; the simplified design makes the CT6 pump easy to repair.

It's a complete out-of-the-box solution, including a 12-volt motor, cage hanging bracket, electronic flow meter and a ball valve with spout.

Customer benefits

- Handles tough-to-mix viscous and clay-like chemicals (works well with pre-emergent chemicals)
- Eliminates the need for tooling changes, reducing both the risk of chemical exposure and labor costs
- Switches from mixing to pumping with the turn of a valve
- Speeds mixing time with air-induced agitation
- Ability to keep chemicals in suspension out in the field

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Proprietary pumping system

The CT6 pump is a six-chamber diaphragm pump designed by Flowserve for chemical transfer applications. It's self-priming with wetted parts resistant to agricultural chemicals. Other features include:

- 12-volt pump (115-volt pump available)
- 12-volt power supply
- EPDM seals
- Cage hanging bracket enables unit to mount to 1,040- and 1,249-liter (275- and 330-gallon) IBCs with bottom outlet
- Electronic flow meter
- 25.4 mm x 3.66 m (1 in. x 12 ft) EPDM hose
- Ball valve with spout

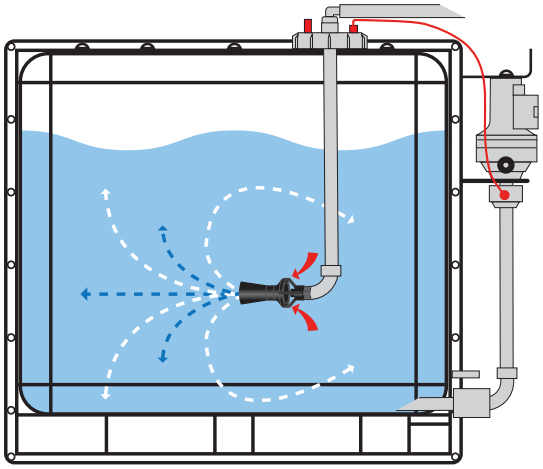
Specifications

- ISO 22241 compatible materials
- Flows to 68 lpm (18 gpm)
- Pressures to 2.0 bar (30 psi)
- Temperatures to 66°C (150°F)
- Suction lift to 2.4 m (8 ft) for water-like fluids
- Size range fits 1,042.25- and 1,250.70-liter (275- and 330-gallon) caged IBC tanks

Materials

- Housing: Glass-filled polypropylene
- Diaphragm: Santoprene
- Valve plate: Glass-filled polypropylene
- Elastomers: EPDM, Viton, Santoprene

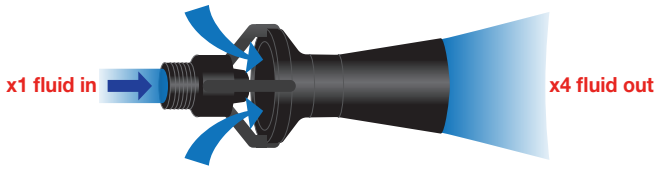
Air-induced agitation speeds mixing time



The CT6 system mixes settled solids by agitating the chemicals with air inside the IBC tank.

4:1 mixing power

When the pump is mixing, fluid is recirculated through an eductor; negative pressure causes surrounding fluid from the tank to be drawn into the stream.



This increases the amount of fluid being circulated through the tank by up to four times what is being pumped by the CT6 pump.

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