

**Balcrank<sup>®</sup>**

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**Electric Stick DEF Pump**  
Model 1200-015



Thoroughly read and understand this manual before installing, operating or servicing this equipment.

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**OPERATION, INSTALLATION,  
MAINTENANCE AND REPAIR GUIDE**

## Safety Instructions

- The motor is not explosion-proof.
- Do not operate the pump in hazardous locations.
- The motor comprises a built-in overload cut-out switch.
  - The motor is switched off automatically in case of overloading. After having cooled down, the motor can be switched on again by pressing the button on the right side of the motor housing. Repeated overloading may cause damage to the motor.
- Only use the pump for its intended purpose.
- Never leave the pump unattended.
- The pump has to be stored in a vertical position.
- Install the pump in a way which ensures that it cannot fall into the container.
- Only use the pump with suitable hose.
- Ensure that the hose is securely fixed to the hose-barb.
- Regularly check the hose and connections to ensure safe operation.
- The pump should not be immersed deeper into the liquid than the outlet connection.
- The pump should only be left standing in the liquid as long as in operation.
- Only use the pump up to max. 113°F (45°C) liquid temperature.
- Comply with relevant safety instructions.
- Wear appropriate protective clothing.
- Never operate the pump dry.
- The pump should not be exposed to the weather.
- Clean the pump after each operation.
- Never store the pump in areas in which corrosive vapors exist.
- Power supply must include a fault current breaker.
  - Dirt accumulation, high humidity or material damage on the motor housing may lead to dangerous current surges.

## Maintenance

### Monthly and/or when drum is changed

- Remove pump from the drum. Insert bottom tube into a pail of warm de-ionized or distilled water.
- Turn the pump on and dispense a minimum of 5 gallons through the pump, hose, nozzle into a bucket to ensure all crystallized DEF has been dissolved.
- Check all fittings to ensure they are tight.
- Re-insert pump into drum and following operating instructions as usual.

## Operating Instructions

- Remove all packaging, take precautions not to cut or nick the hose.
- Be sure the motor switch is in the off “O” position.
- Do not plug in or activate the on-off switch on the motor until after the pump is immersed into the DEF solution.
- Screw end of hose onto the pump discharge port/rotate clockwise. Be sure it is snug; do not over-tighten.
- Using a screwdriver, tighten the hose clamps on both ends of the hose.
- Screw the white compression gland into the drum bung hole.
- Supporting both the motor and the bottom of the pumps, carefully slide the pump/motor assembly through the compression gland into the DEF solution.
- Insert the plug at the end of the motor cable into a 110 volt receptacle.
- Before starting the pump, hold the hand nozzle and be prepared to dispense into the tank or vessel.
- Start the motor by pressing the on “I” switch, then, squeeze the lever on the nozzle to dispense fluid.
- Release the nozzle when dispensing is complete.
- Stop the motor by pressing the off “O” switch.

## Technical Information

- Max delivery rate.....10.5 GPM
- Max delivery head.....17 FT
- Wetted materials.....316 SS, PTFE, Viton  
PP, PE, ETFE
- Operating voltage.....110 VAC

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