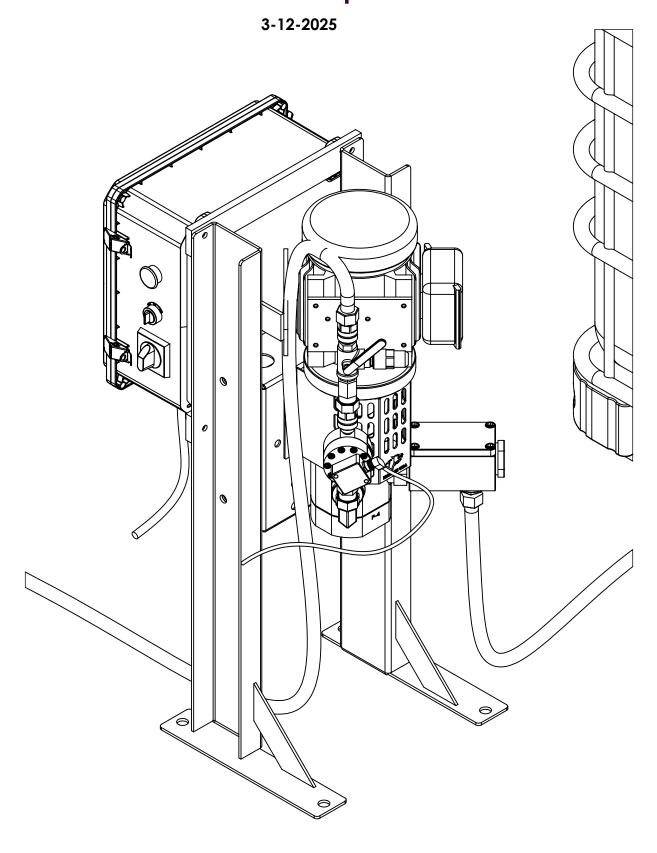
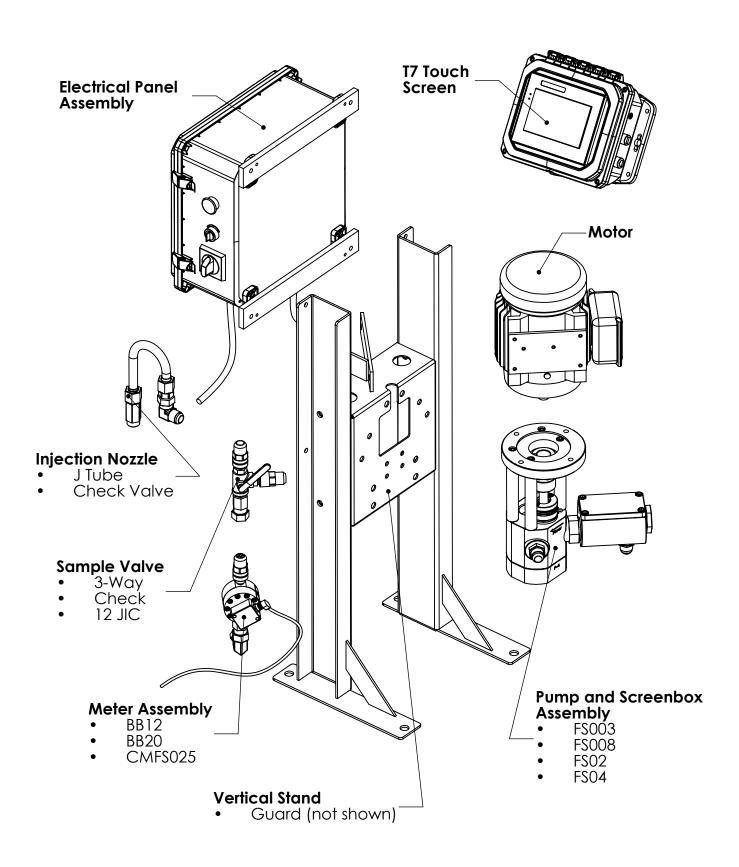
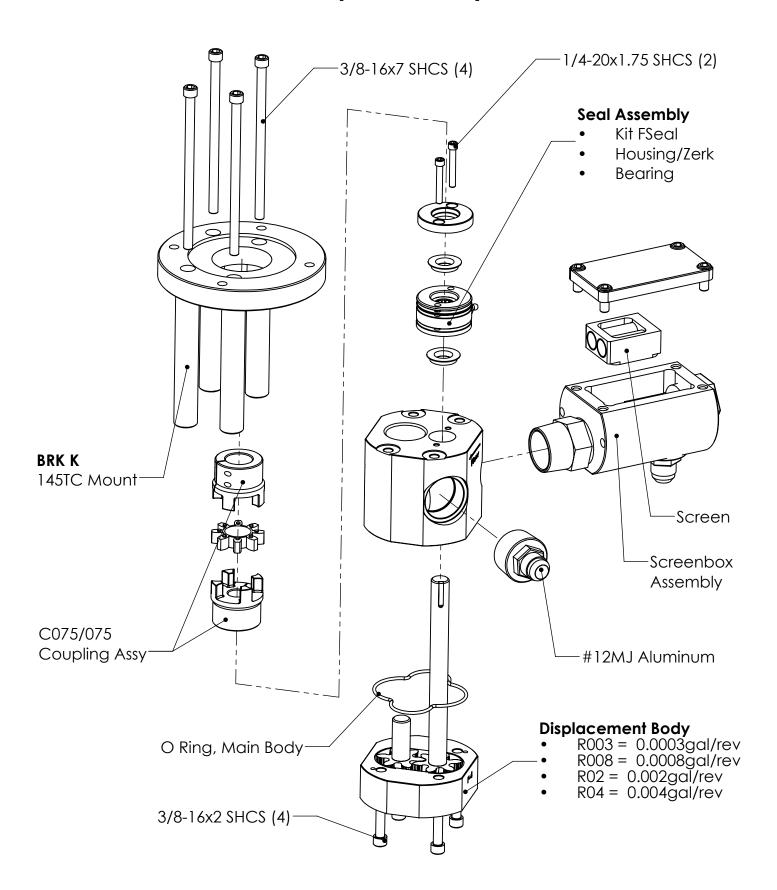
BearCat Pumps Additive Pump Manual



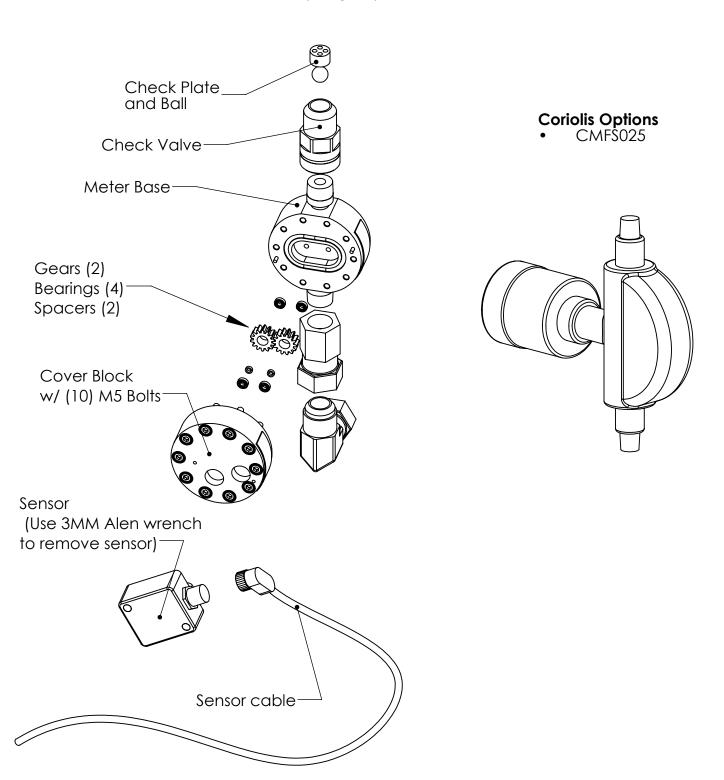
System Components



Pump Assembly

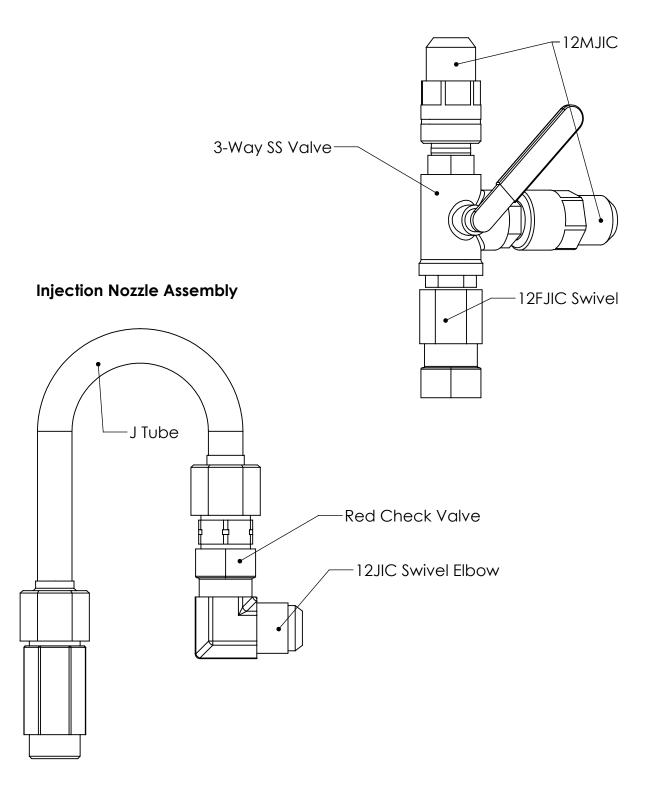


Meter Assembly

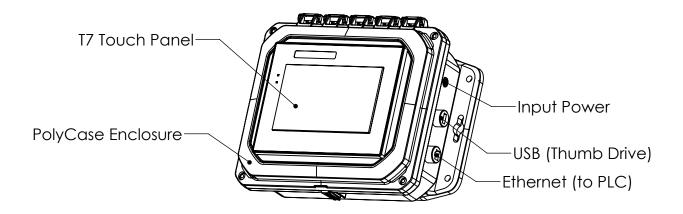


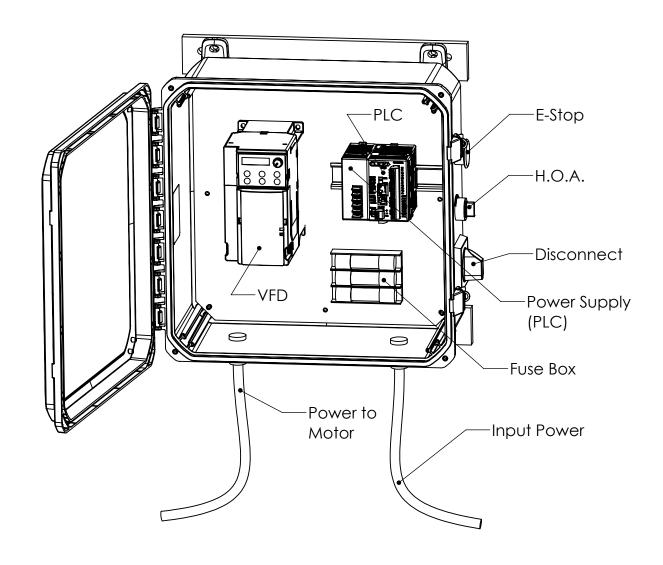
Accessories

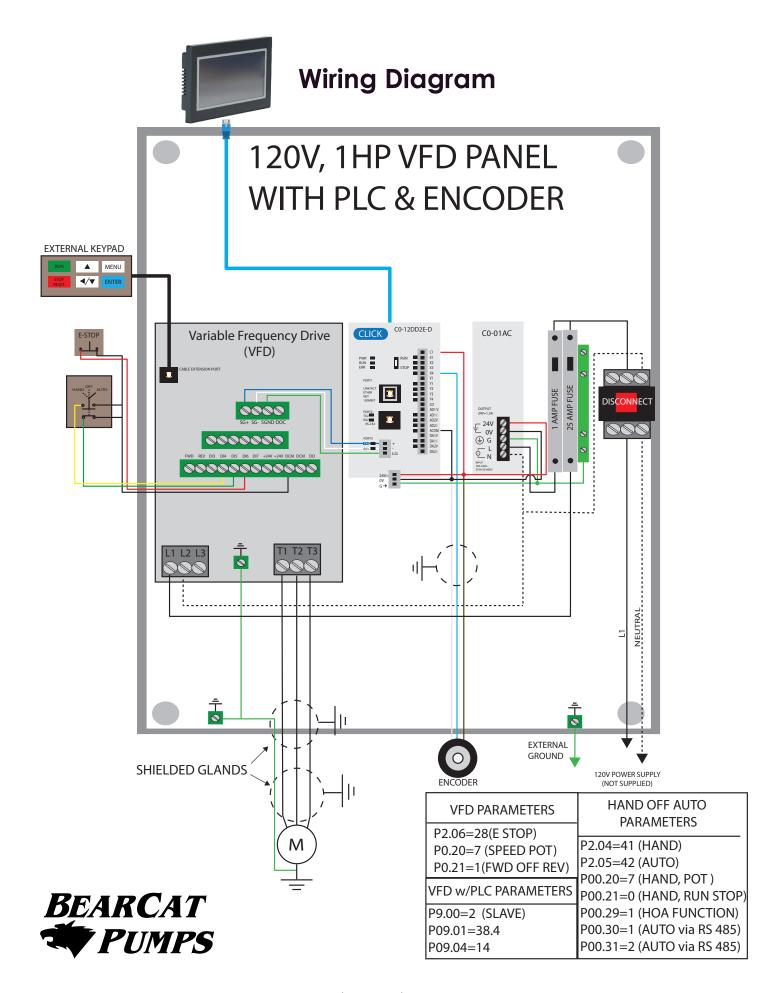
Sample Valve Assembly



Electrical Panel





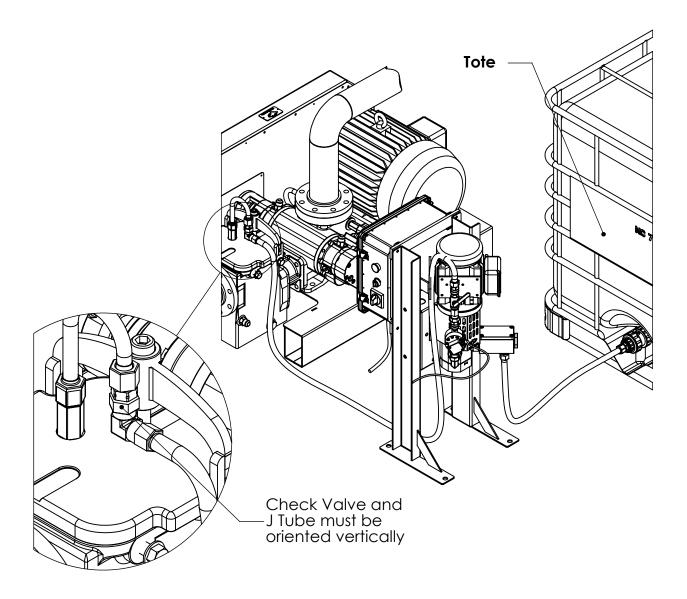


Building a Model Number

FS003 - B12SS - V - S - T7 - A - S **Shaft Plate** FS = Steel FA = Aluminum RS = Rebuild, Steel **Displacement** $003 = 0.003 \, \text{Gal/Rev}$ $008 = 0.008 \, \text{Gal/Rev}$ $02 = 0.02 \, \text{Gal/Rev}$ $04 = 0.04 \, \text{Gal/Rev}$ Meter Assembly B12SS = PD', 0.005-0.8 GPMB20SS = PD, 0.02-2.0 GPM B30SS = PD, 0.1-7.0 GPMCMFS025 = MM Coriolis Z = No Meter**Mount Type** M = Beam Mount V = Vertical Stand Z = No Mount Panel (1HP VFD, 120V-1ph, E-STOP, HOA) P = Polv 14x14x8S = Steel 15x14x8Z = No Panel HMI T4 = 4in Touch Screen (No Case) T7 = 7in Touch Screen, Data Logging, Polycase Z = No HMI**PLC** A= PLC w/ 4/2-mA I/O-----Z = No PLC**Option Items** (one or more) I = Injection Assembly S = Sample Valve Assembly

7 = NA

System Set-up



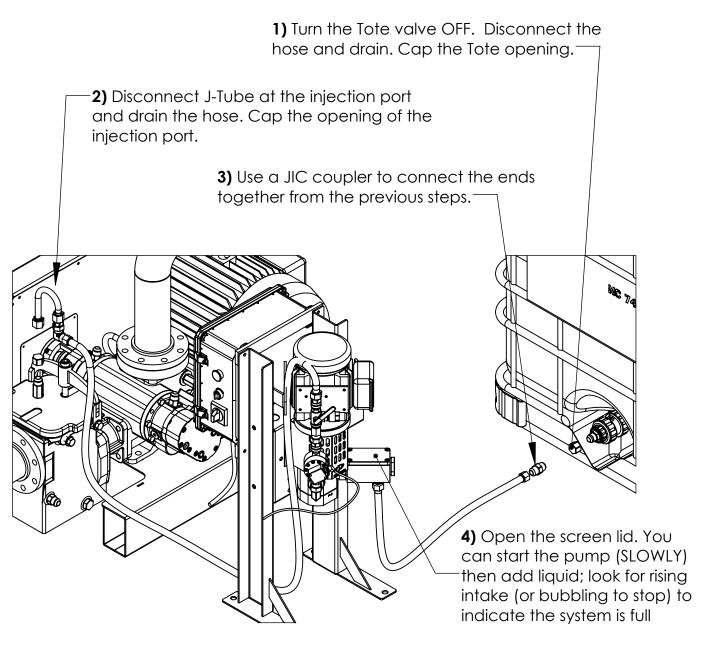
Injection: The lid of the screen box is an optimal location for injection. This area is typically free of asphalt, making it a convenient and accessible point for the process.

Tote Placement: Position the tote in a readily accessible location to facilitate easy replacement or maintenance.

Hose: Utilize stainless steel hoses with JIC swivel ends. This design simplifies field installation and streamlines the flushing process during seasonal shutdowns.

Pump Positioning: Ensure control wiring (Ethernet or signal cables) does not exceed a maximum distance of 300 feet.

Flushing Procedure

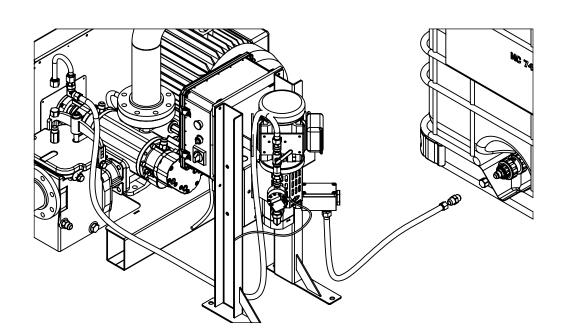


5) To flush the system, close the lid and run the pump at a moderate rate (5-10min)

Note: WD-40 is effective for flushing most anti-strips but use cautiously as it may not suit all cases.

Order Questionnaire

1.	Contact (Name, Phone):
2.	Jobsite Address:
3.	 System Type (circle one); Tank Dosing (Terminal) Batch Plant Drum Plant (continous mix)
	Additive Type:
6.	Hoses; Tote to Pump: Pump to Injection:
7.	Flow (Lbs/Min), Min: Max:
8.	Signal Type (circle if needed);
	 FROM Plant; 4/20mA(standard) or 0-10VDC or Pulse



TO Plant; 4/20mA (standard) or 0-10VDC or Pulse

9.	System Description: Please describe the system in the best way you can;

Acknowledgement Letter

To ensure a smooth installation of your liquid additive pump system, please review and complete the attached questionnaire before our technicians arrive.

Our team is highly trained in the system's operation, control signals, and hose requirements. However, since each plant has a unique setup, it is essential that you gather site-specific details in advance. We also recommend having a qualified electrician and plant operator available during installation to address any facility-specific requirements.

Additionally, regulations vary by location. While we are knowledgeable about general industry standards, compliance with local codes remains your responsibility.

By signing below, you acknowledge your responsibility to provide the necessary information, personnel, and regulatory compliance for a successful installation.