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Fuel Systems for Critical Power

C2-VFD Fuel Pump Motor Drive

Fuel Pump Variable Frequency Drive for
Emergency Power Systems



C2-VFD

Fuel Pump Variable Frequency Drive

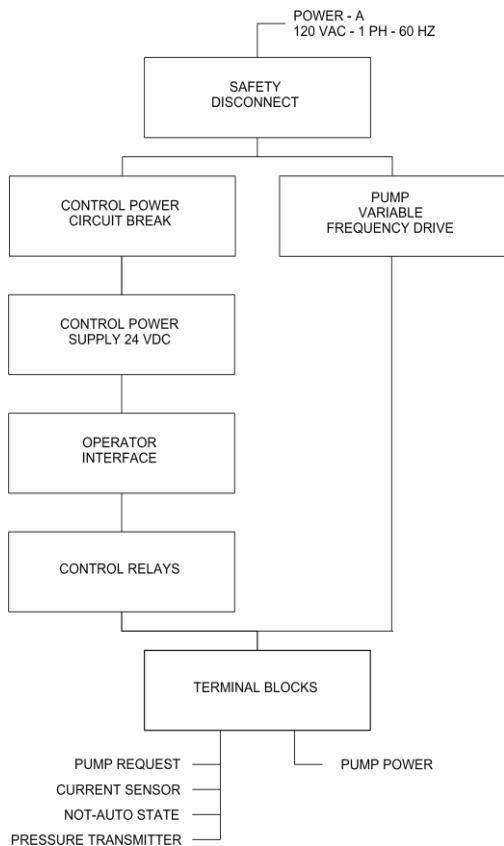
Earthsafe Pump Motor Drives are designed specifically for operation in critical facility environments. The units are applied for Earthsafe duplex pump and filtration systems, and are also used for standard petroleum submersible pumps such as Red Jacket and FE Petro.

C2 PowerPlex are Full Featured Pump Motor Control for Critical Service. Motor starter has (a) code compliant motor protection, (b) a local power disconnect, (c) direct functional feedback.

Earthsafe Fuel Pump Drives are based on new highly reliable drive technology to provide these important benefits:

1. Soft Start and Stop capabilities built in to avoid fluid hammer.
2. Flow and pressure control or fuel oil supply based on sensor inputs.
3. Energy savings and prolonged pump service life.





C2-VFD-S Single Pump Drive
C2-VFD-D Duplex Pump Drive

- Operates in Manual (Local) or Auto (Remote) Mode
- In Manual Mode Pump Starts on Line Voltage Alone
- Output Contacts for (a) Not-in-Auto Mode, (b) Drive alarm
- Duplex Model Accepts 2 Independent Power Sources

C2 Pump Motor Starter

Dimensions	Single: 16" H x 12" W x 6" D (400x300x150) Dual: 16" H x 16" W x 6" D (400x400x150)
Approval	UL, CE
Enclosure	NEMA 4 (IP66) Color RAL 7035 (Light Gray)
Environmental	-20 to 131 F (-30 to 55C)
Motor Protection	ABB Variable Frequency Drive Lockable Disconnect Switch H-O-A Switch
Output Relays	Not-In-Auto Signal Pump Alarm
Other	Remote Start Input Pressure Transmitter
Options	50 Hz Power CE Approval External H-O-A Switch Power On Light Pump Run Light

Order Information

Ordering Part	Description
VFD (D).11.XX	120 VAC, 50-60 HZ, 1 PH, XX=HP (KW)
VFD (D).21.XX	230 VAC, 50-60 HZ, 1 PH, XX=HP (KW)
VFD (D).23.XX	230 VAC, 50-60 HZ, 3 PH, XX=HP (KW)
VFD (D).43.XX	480 VAC, 50-60 HZ, 3 PH, XX=HP (KW)