

Clear & Simple.

Now You Have One Less Thing To Worry About



- 400% faster product delivery to the customer with better product consistency.

CustomKraft's Variable Frequency Drive (VFD) unit reduces system components and increases versatility, allowing up to seven different pressures using a single pump per bay. The system is manufactured in both a bench-style and a stacked equipment configuration.



Variable Frequency Drive (VFD)
See back for product specifications & application.



"Wash-Tech has installed more than 200 bays with countless satisfied customers. I have been a CustomKraft distributor since 1999. CustomKraft has excellent customer service and offers a quick response on answering any questions for you."

Dustin Jensen – Owner
Wash-Tech
Sandy, Utah CustomKraft Distributor since 1999

When you choose CustomKraft, you choose solid support.

The **variable frequency drive (VFD)** system operates similar to the original CustomKraft MultiPressure System® with even fewer components and smoother operation. Any cycle may be delivered with hot or cold water and up to seven (7) adjustable operating pressures. Pressures may be adjusted from 100 pounds per square inch (psi) to full operating pressure. Once a cycle is selected, the delivery line is purged with high-pressure; when the solution reaches the tip of the trigger gun, the motor slows to a preset speed, delivering the selected product at the desired pressure.

Application

The operating system for the VFD is the power inverter control. The inverter control makes it possible to operate with single-phase or three-phase electrical input voltage without changing the operating system. The control has a video graphics array (VGA) screen and keypad for programming and diagnostic capabilities.

The unit operates by converting alternating current (AC) into fixed direct current (DC) power. The DC power is then synthesized into three-phase AC line voltage for the motor. The control converts the fixed input frequency (60 hertz) to variable output frequency to cause the standard AC motor to have variable speed operation.

Variable Frequency Drive (VFD) Advantages

Tubular stainless steel stacked frame for spatial efficiency with component accessibility.

Hinged stainless steel electrical boxes with lock-out for flexibility and safety.

Stainless steel tanks with clear acrylic lid for easier access. Super E Baldor® 5 horsepower 3-phase motor for increased electrical efficiency (NEMA nominal efficiency rating 89.5%).

Variable frequency drive unit is capable of up to seven (7) different motor speeds with "soft start" to reduce component fatigue.

Single pump/tank unit for fewer connections and easier installation. Available in separate modules for ease of handling (modules to be connected on-site).

Overall reduction of components to further increase system reliability.

Standard features:

Stainless steel tubular frames with anodized aluminum backboard.

Baldor® Super E energy efficient motors, 5 horsepower three-phase.

Cat 5CP2120W plunger pump(s) capable of 4 gallons per minute (gpm) at 2500 psi with lifetime warranty discharge manifold.

Flange mounts for easy pump removal and maintenance. Hinged stainless steel electrical enclosures, with lock-out on high voltage for safety.

Individually fused 100 KVA transformers for each bay with an additional auxiliary transformer.

Owner bay start buttons with bay timer reset.

Timing belt drive system for 99% drive efficiency.

ABS plastic belt guard with single thumb latch that totally encloses drive system for unsurpassed safety.

Inlet solenoid manifold for full port feed, insuring bay to bay consistency.

Inlet manifold is equipped with stainless steel interchangeable seats and Viton® seals.

Lighted plug-in (din) connectors for all solenoids for diagnostics.

Color-coded components and wiring systems.

Copper inlet manifolds with crimp fittings for lasting durability.

Weep Mizer® controller for efficient flow control for the weep system

Individual stainless steel chemical tanks for gravity flow on all cycles.

Automatic chemical proportioners for chemical tanks.

High-pressure thermal plastic delivery hose.

Electronic coin acceptance in all components.

Dixmor® LED 7 display timer with last minute horn.

Full-face Lexan® coin box decal for attractive durability.

Plug-in terminal strip for both pumping module and bay meter.

Full system manual, operating animation, customer educational seminar and diagnostic guide provided.



"I am the owner of R&G Car Wash and have been doing business with CustomKraft from day one. Gary and his team are very knowledgeable and are great to do business with."

Rita Gill

R & G Car Wash

McGehee, AR

CustomKraft Equipment Owner since 2005