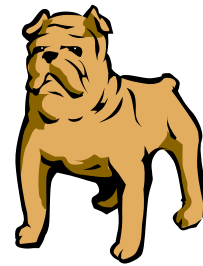


The Bulldog Variable Frequency Pump Control - Pumping Solutions for the Oilfield



THE BULLDOG VARIABLE FREQUENCY PUMP CONTROL

Objective:

To increase pumping unit productivity and allow worry-free operation

How it works:

Houston Motor & Control's patented technology platform, **The Bulldog**, matches the pumping unit speed preventing "over pumping". This avoids the regenerative cycle that creates an overload trip. The variable frequency pump control has a unique bus regulation, eliminating the need for resistor packs in the control panel. The DC bus regulation function allows for an optimal pump operation without tripping the VFD on over-voltage or over-current due to the pump regenerative cycle.

The Bulldog Features:

The Bulldog has several features for the pumping industry, including:

- Simple to use speed control which prevents "over pumping".

- Ability to reverse motor rotation on a fixed-timed basis to extend the life of the overall pump stand.
- PLC functions allowing users to incorporate process control and mathematical logic functions eliminating the need for an external micro PLC.
- Resistor-free pump unit panel means no more burnt-out resistors to replace.
- Auto-restart after power failure.
- NEMA 3R Panel Design for outdoor use.
- Extended warranty available.