

# Instrumentation

# VFD

## Overview:

The Variable Frequency Drive (VFD) is a device that replaces a pump panel on electric pumps and allows for throttling the pump. The VFD has multiple digital and analog inputs/outputs. It has (PID) Proportional, Integral, and Derivative for allowing automatic control of level, pressure, or flow.

## Features:

- No Air Conditioners needed on these units
- Built-in sun shields and cage to cool and protect the unit
- Able to control an electric pump better than a pump panel
- Throttle control within the HP range of the VFD and pump
- PID Control
- Built-in E-Stop and Hand, Off, Auto switch
- Skid is galvanized and powder coated
- Advanced drive keypad
- Surge/lighting protection
- Easy to ship and pallet jack friendly
- Lock Out Tag Out compatible

## Specs:

- Outdoor rated, NEMA 3R / UL listed enclosure
- Three-phase 480 VAC required
- All Power is labeled and externally accessible
- Available in 20HP to 200HP in same footprint
- 300HP is available in larger footprint
- Needs to match or exceed the HP of the pump
- All Inputs and Outputs are labeled, externally accessible and are tool-less finger-safe connections:



## Accessories:

- Power Prime Pumps
- AnDRU Box
- RiteFlo® System
- Spill Guard Containment System
- Magnetic Flow Meter
- Level Sensor
- Alarm Agent

	Dimensions	Weight	DV100E LD	DV100CE LD	DV150E SD	DV150CE LD	DV150IE LD	DV200E LD	DV200CE SD	DV300IE SD	DV400CE LD	HH80E LD	HH80CE LD	HH125CE LD	HH150E LD	HH160IE LD	HH225CE LD	HH325CE SD	RL200E SD
VFD-20HP	62"h x 48"w x 40"d	665 lbs.	X	X															
VFD-50HP	62"h x 48"w x 40"d	775 lbs.			X	X						X	X						X
VFD-100HP	62"h x 48"w x 40"d	815 lbs.					X	X						X					
VFD-200HP	62"h x 48"w x 40"d	915 lbs.							X	X	X				X	X			
VFD-300HP	94"h x 59"w x 52"d	2,010 lbs.															X		



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THE SPECIFICATIONS CONTAINED IN THIS SHEET ARE INTENDED AS A GENERAL DESCRIPTION OF EQUIPMENT CAPABILITIES. ACTUAL PERFORMANCE WILL VARY BASED UPON SYSTEM APPLICATION, AGE OF EQUIPMENT, MANUFACTURER, AND OPERATION, CHECK MANUFACTURER'S WARRANTY FOR USAGE RECOMMENDATIONS.