

VARIABLE FREQUENCY CONTROLLER COMPARISON



Display	3½-digit 7-segment LED display for running & fault codes, including motor phase issues	Dual 7-segment display for running status & fault codes
Control Buttons	Dedicated separate Reset and Silence/Calibrate buttons	Dedicated separate Reset and Silence/Calibrate buttons
Service Port	USB port for fault log download and firmware upload	Not available
Performance Boost	Enhanced for 4 Hp pumps, enabling an additional nozzle	Standard for 2 Hp and 4 Hp pumps
Bypass Mode	Included for startup / purging and fixed-frequency troubleshooting	Not available
Safety Features	Over-voltage protection, improved underload detection, unbalanced load/phase warnings	Basic protections including underload and overload detection
Diagnostics	Rapid diagnostics with fault readouts, motor phase identification, and last 5 faults stored	Fault code display and last 3 faults stored
Electrical Noise Reduction	Enhanced output filter to reduces output noise to lowest levels	Not available
Surge Protection	Upgraded incoming power circuit reliably handles more challenging conditions	Not available
Cooling Design	Improved thermal design allows for reliable performance in extended operating conditions.	Basic cooling with over-temperature protection
Communication/Integration	RS485 with Turbine Pump Interface™ for EVO™ Series, enabling remote troubleshooting and automation	RS485 with Turbine Pump Interface™ for EVO™ Series, enabling remote troubleshooting and automation
Dimensions	15.6" H x 5.3" W x 10.1" D	12.1" H x 5.5" W x 9.5" D
Minimum Mounting Clearance	24.6" H x 14.3" W	24.125" H x 14.5" W
Fault Codes	Expanded set (e.g., IdLE, bP, HI, UbL, HL, CL) for more detailed warnings	Basic set (e.g., UL, LI, Lr, LU, SC, SU, Er, HO)
Output Conditions	Readable output conditions listed on front panel	Readable output conditions listed on front panel

