

F&W VFD DRIVES

For CENTRIFUGAL PUMPS

1-9-2012

DEAN BENNETT SUPPLY
Ph 800-621-4291

F&W's NEW Artesian Variable Speed Drive is a custom programmed VFD that can turn your centrifugal pump into a constant pressure pump system. The Artesian VFD is designed to use with a 3 phase centrifugal pump, varying the speed of the motor to eliminate pressure cycling. Large pressure tanks are not needed. Use AT15 tank for up to 12 gpm flow, AT25 for 12 gpm thru 25 gpm, and AT144 for greater than 25 gpm flow.

Artesian drives are pre-programmed so there is no field technician needed to program the drive. The Artesian VFD can be used with 1 hp up through 3 hp pumps using standard 230V single phase power. The control will produce pressure from 30 psi up to 80 psi from a centrifugal pump. The Artesian drive soft start reduces mechanical and electrical stress, making the pump and motor last longer. Drive has built-in protection and diagnostics for Motor Overload, Locked or Bound Pump with auto reversing torque, Low line voltage, Lightning protection, Intelligent load monitoring for Dry Run conditions, and Overload drive detection with automatic reset.



ARTESIAN VFD DRIVE SPECIFICATIONS

These are factory set to operate the centrifugal pump at 50 psi.
however they can be adjusted for 30 psi up to 80 psi operating pressure.

Pump HP	Incoming Power	Output to Motor	Max Amps Per Motor Plate	Motor Controller	Price
1 HP	230 V 1 Ph (14.2 Amps) 230 V 3 Ph (6.7 Amps)	4.5 Amps	5.2 Amps	AD052045	\$ 1180.00
1.5 HP	230V 1 Ph (17.4 Amps) 230 V 3 Ph (8.7 Amps)	5.9 Amps	7.0 Amps	AD070059	\$ 1315.00
2 HP	230 V 1 Ph (23.2 Amps) 230 V 3 Ph (11.9 Amps)	7.4 Amps	9.6 Amps	AD096074	\$ 1910.00
3 HP	230 V 1 Ph (23.2 Amps) 230 V 3 Ph (11.9 Amps)	9.6 Amps	9.6 Amps	AD096096	\$ 1910.00
5 HP	230 V 3 PH (18.1 Amps)	14.5 Amps	15.5 Amps	AD150145	\$ 2270.00
7.5 HP	230 V 3 Ph (22.6 Amps)	20.0 Amps	21.0 Amps	AD220210	\$ 2955.00
10 HP	230 V 3 Ph (28.3 Amps)	28.0 Amps	28.0 Amps	AD280280	\$ 3430.00
15 HP	230 V 3 Ph (43.1 Amps)	41.0 Amps	42.0 Amps	AD420410	\$ 4400.00
20 HP	230 V 3 Ph (54.3 Amps)	53.0 Amps	54.0 Amps	AD540530	\$ 5600.00