

# CONSTANT PRESSURE PUMPING STATIONS

FW1327  
1120  
Supersedes  
0618



*Artesian Drive*<sup>®</sup> Deliver Flow and Pressure Where You Want It.

Artesian Drive<sup>®</sup> pumping stations adapt to your changing flow requirements, using a pump control system to deliver constant pressure at any flow required.

Significant energy savings from variable speed drives make constant speed pumps obsolete.

System dimensions 26"W x 37"L x 32" H



ADW2W31 , ADW2W51,  
ADW2W71, ADW2W73 &  
ADW2W53



3 HP, 5 HP and 7-1/2 HP

Single or Three Phase



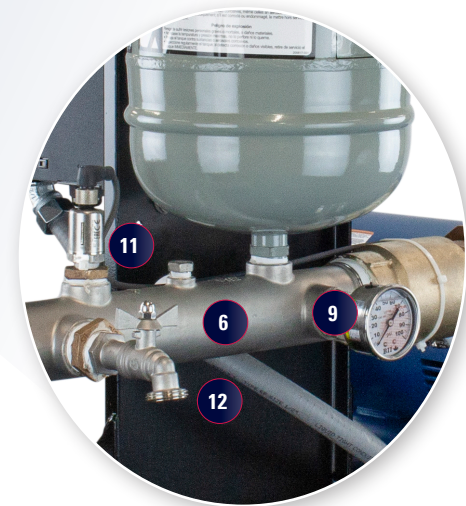
## Features and Benefits



### SYSTEMS INCLUDE

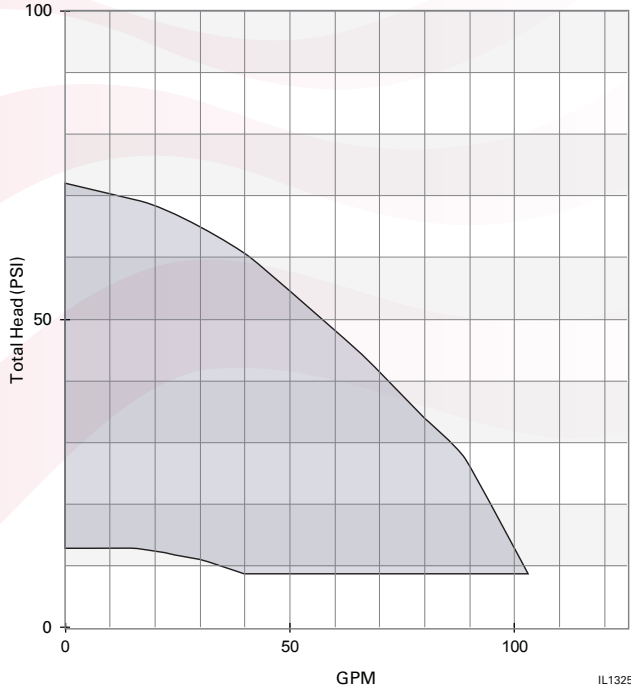
1. Artesian Drive® variable speed controller drive assembly can rotate 90° for flexibility
2. Centrifugal pump with brass impellers and 'Power Plus' motor
3. Air-E-Tainer® diaphragm tank
4. Thermal sensor (not shown)
5. Sealtight conduit
6. 2" Stainless steel manifold for gauge, transducer and hose bib
7. 3 Phase output to motor
8. 2" brass outlet check valve
9. Premium liquid filled gauge
10. 'Powder-coated tough' skid
11. Pressure transducer
12. Hose bib

- Artesian Drive® constant pressure pumping stations provide constant water pressures
- Pre-plumbed, pre-wired, pre-programmed and pressure tested. Typical installation time takes less than 1 hour
- Models available up to 145 gallons per minute in 3 HP, 5 HP, and 7-1/2 HP
- Variable frequency drive operates on 230 volt single or three phase power – With three phase output to motor
- Advanced 'on board' diagnostics and pump protection
- Energy efficient – uses significantly less electricity than conventional centrifugal pump applications
- 3" suction with 2" discharge for easy installation
- Includes check valve, gauges and unions for easy serviceability
- 'Powder Coated Tough' skid, panel, and supports to resist rust and corrosion. Efficient in size - Fits through any 27" access door

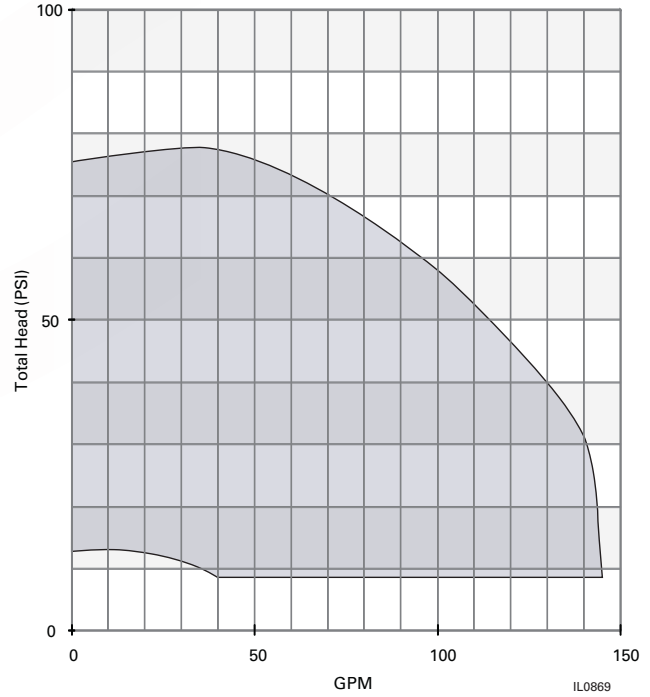


# Performance

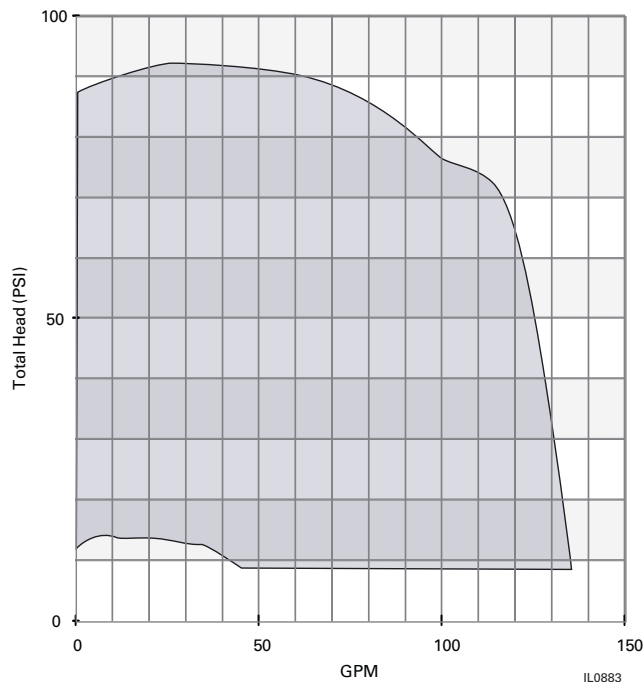
## PERFORMANCE SPECIFICATIONS



**ADW2W31**  
3 HP Single Phase



**ADW2W51**  
5 HP Single Phase  
**ADW2W53E**  
5 HP Three Phase



**ADW2W71**  
7-1/2 HP Single Phase,  
**ADW2W73**  
7-1/2 HP Three Phase



# Artesian® Drive Constant Pressure Pumping Stations

## Artesian Drive® Standard Controls



- Artesian Drive® Variable Speed Controller for constant pressure
- Pre-programmed Drives: No need for field technician to program the drive at the site
- Constant water pressure with a wide range of settings (30 - 80 PSI)
- Eliminates in-rush surge current at startup
- Soft start reduces mechanical/ electrical stress, prolonging pump and motor life
- Factory programmed variable speed drive unit
- Pressure transducer, preset at 50 PSI
- Built-in protection and diagnostics protect against:
  - › Motor overload
  - › Low line voltage
  - › Short circuit
  - › High voltage / lightning protection
  - › Dry run conditions, using intelligent load monitoring
  - › Overheated drive with automatic reset

F&W Artesian Drive® pumping stations are fully tested and preset. Just add water and power up system. No complicated startup procedures, special training, or expensive on-site technicians needed.

Systems are ideal for municipalities, golf courses, nurseries, industrial plants and much more. All benefit from the easy installation and years of service from an Artesian Drive® pumping station.



**NEMA 1 Enclosure  
for indoor use only**

