

HP Lift Station

The ADS HP Lift Station is a complete, turnkey drainage solution designed to perform in demanding conditions. Built with durable components and advanced controls, it helps manage water levels efficiently simplifies installation and provides long-term performance.

Features

- Pump design engineered for durability and ease of maintenance
- Electronic panels are completely enclosed and are protected from harsh environmental conditions
- Remote Monitoring System capability
- Complete electrical schematics will be provided with every control panel

Benefits

- One system to manage water flow rate, field water table level and power consumption
- Variable Frequency Drive controls, reducing on-off frequency
- Simple and easy remote access via any web-enabled devices, such as computers, tablets and cellphones
- Increases yield by controlling root zone water availability
- Controls the ability to get into fields earlier to perform required field work tasks
- Service-rated panel reduces the electrical installation costs
- Factory-trained support available
- 3-year control panel warranty upon installation
- 2-year pump warranty upon installation



HP Lift Station Specification

Scope

This specification describes an HP lift station, which consists of a basin, lid, pump and control panel

Basin Pipe Requirements

ADS SaniTite® HP pipe shall have smooth interior and annular exterior corrugations.

- 36", 48" and 60" (900, 1200 and 1500 mm) pipe shall meet or exceed ASTM F2764 and AASHTO M330

Material Properties

Polypropylene compound for pipe and filling production shall be an impact modified co-polymer meeting the material requirements of ASTM F2764.

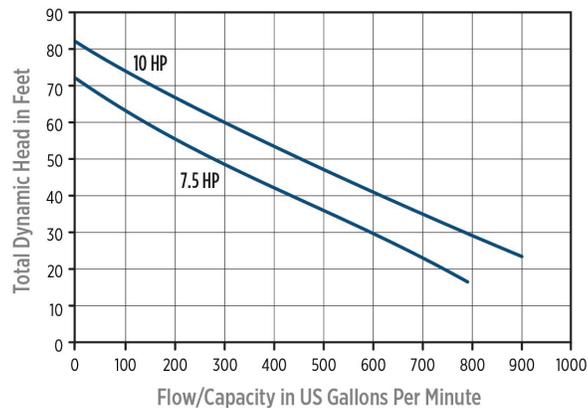
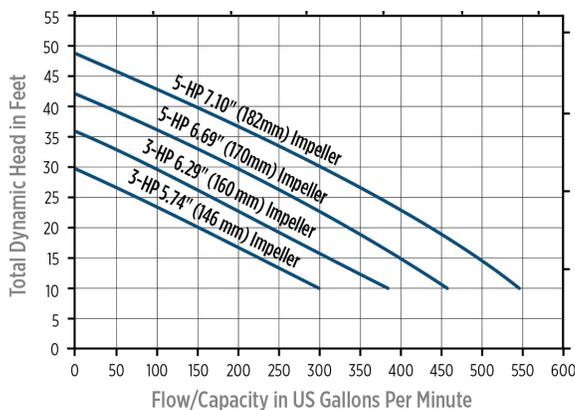
Lid

Lightweight, corrosion-resistant aluminum construction with a modular design, multi-diameter discharge cutouts and a lockable split hatch.

Pump

The solids handling pumps are a versatile transfer solution available in a 3 through 10 horsepower range with 4" (100 mm) discharge options and varying impeller modularity for some sizes.

Performance



Control Panel

Programmable panels are used to control single pumps and provide alarm functions. They include easy-to-use, programmable logic units that incorporate multiple built-in timing and logic functions.

Installation

Installation shall be in accordance with ADS published installation guidelines, with a maximum vertical height of 12' (3.66 m) for 36" (750 mm) and 48" (1200 mm) and 10' (3.05 m) for 60" (1500 mm) with compacted Class 1, Class 2, Class 3 or Class 4 material. Contact your local ADS representative or visit our website at www.adspipe.com for a copy of the installation guidelines.

