



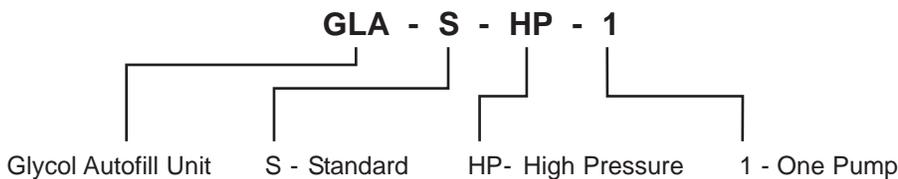
## GLA STANDARD *Glycol Auto-Fill Unit*

## PRODUCT DATA SHEET

The Armstrong GLA glycol Auto-Fill unit is designed to provide automatic glycol make-up for HVAC systems. In the past, contractors and/or end-users have usually provided customized add-on assemblies for this function. The specially molded mixing tank offers a compact package with built-in housing for the controls and make-up pump.

This Auto-Fill package is a comprehensive system that can be specified on your project.

### Model Designation



**Maximum working pressure is 125 psi (850 kPa)**

### Benefits

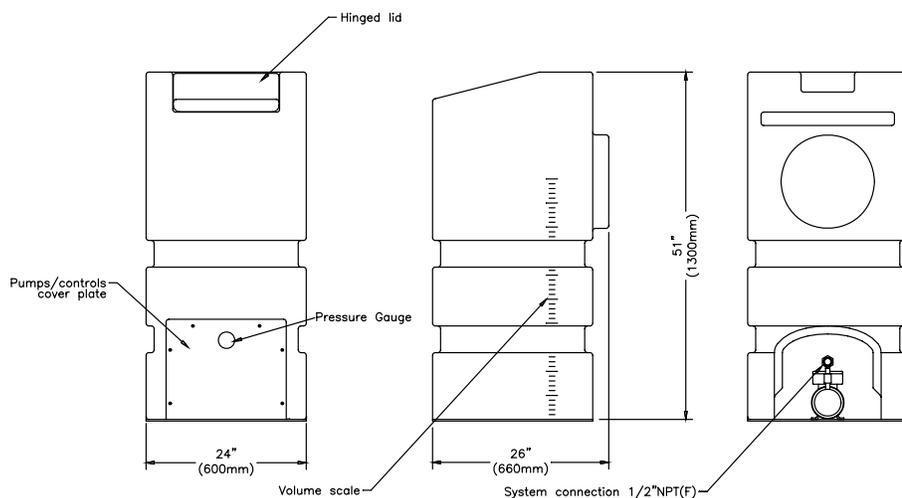
- Monitors and maintains system pressure at all times
- Provides a safe solution for handling of glycol
- Streamlined space-saving design maximizes storage capacity while minimizing floor space requirements
- In the event of system rupture, only the contents of the GLA tank is pumped into the HVAC system
- Provides low fluid-level warning

### Features

- Provides glycol make-up automatically
- Suitable for all selections of bladder and compression tanks up to 90 psi (621 kPa) cold-fill pressure. Higher cold-fill pressures are available. Please refer GLA Ultra bulletin.
- Large mixing tank capacity - to accommodate system overspill through safety valve
- Automatic cut-out switch monitors the status of the GLA tank and shuts down the pump in the event that mixture level is too low
- Single phase power connection
- Volume scale is etched on the side of the GLA tank
- 1/2" NPT fitting for connecting the GLA tank to the HVAC system

## Components

- Durable holding tank made with molded polypropylene
- Total mixing capacity of 53 US gallons (200 L)
- Centrifugal pump - all bronze construction
- Pump suction strainer
- Isolation valves - bronze construction
- Check valve - bronze construction
- Pressure gauge
- Low water cut-out float switch - 24 V maximum (electrical safety)
- 2 fill ball valves (304 Stainless Steel ball, brass body) for Glycol and water supply



## Side Suction Peripheral Pumps

The close-coupled pumps are suitable for pumping clean water, free of abrasive particles as well as fluids that are not chemically aggressive.

The pumps are for indoor installations only.



## Operating Limits

Fluid Temperature	140°F (60°C)
Max. Ambient Temperature	104°F (40°C)

## Materials of Construction

Impeller and Volute	All bronze construction
Motor Shaft	AISI 430F Stainless Steel
Mechanical seal	Ceramic and graphite
Motor Frame	Aluminum with brass insert to facilitate pump start-up after prolonged non-use periods
Motor	Quiet, asynchronous, high efficiency, enclosed induction motor that is externally ventilated. These motors are single phase, 60 Hz and operate at 3450 rpm.
Motor Protection	A thermal cut-off relay is incorporated

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