

# Pressurized Line Accessory for Isco 6712, Avalanche<sup>®</sup>, and 4700 Samplers

This accessory was developed to allow sampling from liquid sources with pressure ratings between 10 and 300 psi.

Initially, a stainless steel pressure reduction valve decreases source pressure to an acceptable level (10 psi).

Special software (required as an option for 6712 and Avalanche samplers), activates an electric ball valve — via the valve interface — directing liquid to the collection bottle during forward pumping.

The ball valve also allows any liquid remaining in the section of line between the ball valve and the sampler to be purged prior to the next sample being drawn.

*NOTE: The line from the pressurized source to the pressure reduction valve (system input connection) should be as short as possible to assure a “live” sample is always drawn. Contact Isco for site-specific instructions.*

## Applications

- ▶ Potable water
- ▶ Filtered surface water
- ▶ Filtered waste water
- ▶ Industrial processed liquids



*Photo shows purge line lower than desired. Optimum purging occurs when sampler outlet is higher than connection to valve.*

The system components come mounted on an aluminum backing plate that also serves as a mounting bracket.

Since the configuration of each individual source will vary, the user is responsible for providing connecting hardware between it and the pressure reduction valve inlet (1/2 in NPT “female” receptacle).

*NOTE: Make certain whatever hardware is used for this purpose can safely contain the same pressure as the liquid source.*

See reverse side for component diagram.

## Simple to install and use

### 6712 and Avalanche Samplers

Connect the appropriate line from the relay box to the input/output port marked “Rain Gauge” on the sampler controller.

Attach a length of tubing onto the drain outlet if desired, then plug the power cord into an electrical outlet, and the system is ready for use.

### 4700 Samplers

Connect the cable from the relay box to the 16-pin port.

Attach a length of tubing onto the drain outlet if desired, then plug the power cord into an electrical outlet, and the system is ready for use.

## Specifications

### Pressurized Line Accessory

Mounting Plate Size (H x W)	12 in x 24 in
Weight	18 lb
Power	120V or 230V AC/60 Hz
Maximum input pressure	300 psi
Minimum input pressure	10 psi
System enclosure rating	NEMA 4X
Operating temperature	32 to 140 degrees F
Maximum liquid temperature	145 degrees F

### Ordering Information

Complete system for use with 6712 and Avalanche samplers

(120 VAC) .....68-5304-001  
 (230 VAC) .....68-5304-007

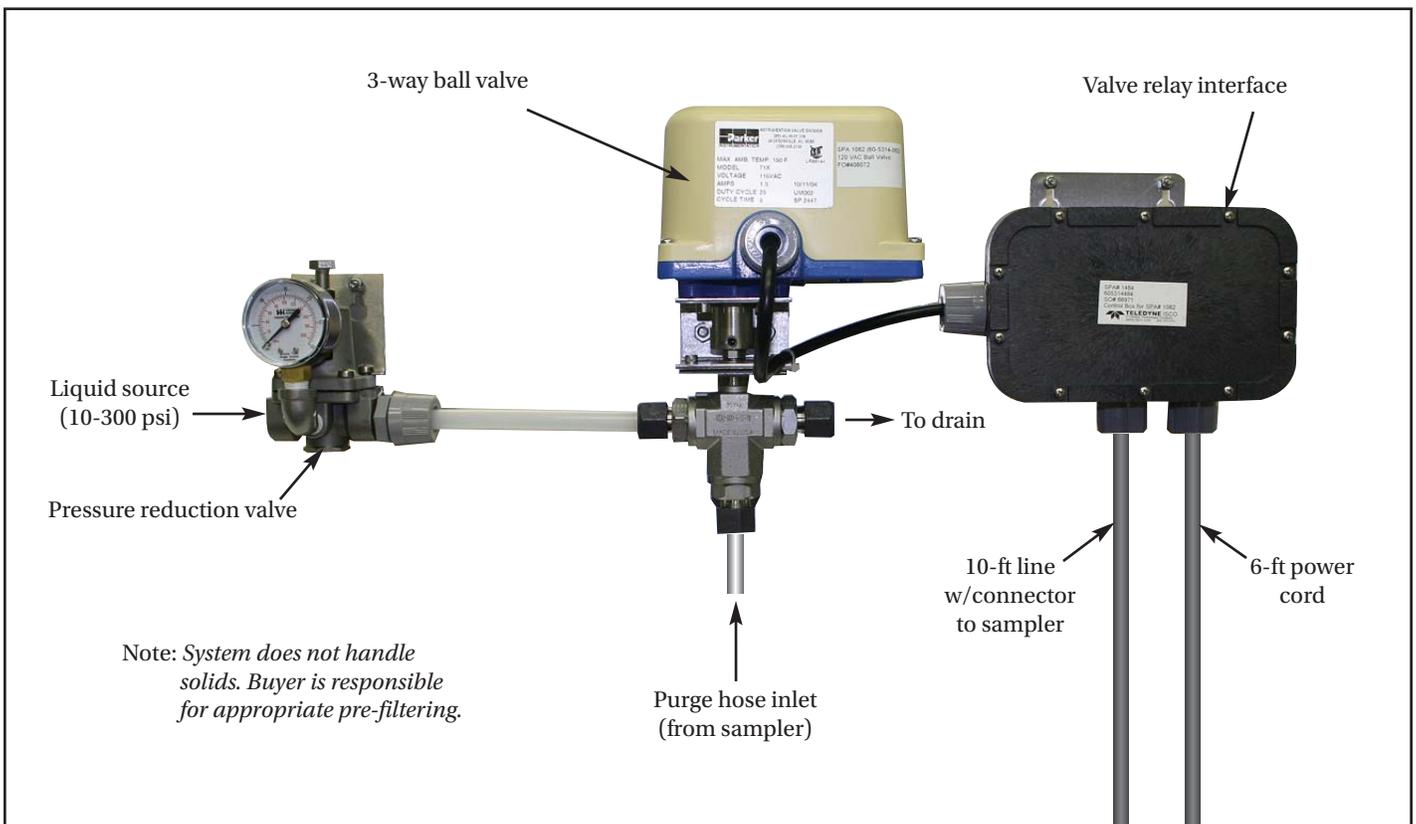
*Includes required software option, backing plate, and mechanical components shown below.*

Complete system for use with Isco 4700 Samplers

(120 VAC) .....68-5304-006  
 (230 VAC) .....68-5304-005

*Includes backing plate and mechanical components shown below.*

## System Components



**Teledyne Isco, Inc.**  
 4700 Superior St.  
 Lincoln, NE 68504 USA  
 Phone: (402) 464-0231  
 USA & Canada: (800) 228-4373  
 Fax: (402) 465-3022  
 e-mail: [iscoinfo@teledyne.com](mailto:iscoinfo@teledyne.com)  
 Website: [www.isco.com](http://www.isco.com)