

About ASI

If you're looking for affordable off-the-shelf parts for your liquid chromatography equipment, don't settle for low quality. Analytical Scientific Instruments (ASI) uses engineering expertise and manufacturing excellence to deliver replacement parts that outperform Original Equipment Manufacturer (OEM) parts—giving you greater value for your money.

ASI manufactures high-pressure valves and components for the analytical chemistry market—especially in the area of liquid chromatography. Whether you're an original equipment manufacturer (OEM), distributor, or end user, we'll apply our design and manufacturing expertise to meet your needs—on time, every time. And if you also need components that are custom-engineered to address your most pressing challenges with the utmost reliability and performance, we've got you covered.

*Quality Products Start
with Quality Design*



Other Products

- In-line Check Valves
- Syringe Pumps
- ASI HPLC and UHPLC Pumps
- ASI SFC Pumps
- ASI High Temperature Pumps
- PCR - Post-Column Reactor Modules
- Pulse Dampers
- Guard Column Hardware

Please visit www.hplc-asi.com
for more information

ASI Analytical Scientific Instruments US

PrimeLine™ Pump Replacement Parts

Our high-spec products are designed for the most demanding customer—You.

www.hplc-asi.com
Richmond, California, USA

PrimeLine™ Pump Replacement Parts

Whether they are check valves, pistons or pump seals, all ASI replacement parts are designed to exceed the manufacturers specifications. All parts are subjected to rigorous engineering analysis and quality standards to insure the parts you purchase provide maximum life and superior chromatographic performance.

Replacement parts are available for most HPLC/UHPLC pumps.

Why ASI Check Valves are the Best?

Because ASI Spring Loaded Check Valves insure the reliable, repeatable operation and response time and more.

Self-priming

With the ASI valve, priming is easy. Open the pump outlet to release backpressure on the pump, and turn on the pump. Your pump will prime itself, even if the head and intake lines are completely dry. You won't need to use syringes or draw-off valves to prime your pump.

Superior Flow Rate Stability

Because of the rapid and repeatable closure rate of the valve, the ball returns to the seat and seals before solvents have a chance to flow back through the valve. The result is a flow rate that is extremely repeatable and accurate, which means more repeatable retention times.

Acetonitrile-resistant Valves

One of the headaches when using acetonitrile is the tendency for the ball and seat to get stuck - actually bonded - in the closed position. The frequency of this frustrating phenomenon depends on a number of factors, including the surface finish and condition of the ball and seat. The R & D team at ASI has developed a new check valve that will not bond shut in the presence of Acetonitrile even when immersed and unused for days or weeks at a time.

Pre-tested

ASI valves we ship must pass three stringent tests before it is shipped.

UHPLC and SFC Applications are available

