

**SP 110-B Beadless
Welding Tool**



**T-343 Purad® PVDF
Zero Deadleg Valve**



Background

Asahi/America's Purad® UHP PVDF, the premier product for high purity water systems, is used in demanding applications such as biotech and pharmaceutical manufacturing. The selected SOLEF™ PVDF resin and stringent cleanroom manufacturing process provides the cleanest fluid handling material available for pipe, valves, and fittings. Asahi/America's Purad® is the foremost choice for systems with critical water quality requirements and product manufacturing impact prevention.

Problem

A major medical device company needed to replace a valve in a high purity water line in their manufacturing

facility; however, their valve supplier had an unacceptable 12-week lead time. Asahi/America's distributor suggested the Purad® PVDF T-343 zero dead leg diaphragm valve with sanitary adaptors (shown above) as an alternative.

Solution

Asahi/America was able to deliver the T-343 valve in less than two weeks after the order was placed. The customer was very pleased with the quick turnaround time. The T-343 valve also offered the advantage of a one-piece molded construction compared to the competing supplier's valve, which was machined and prone to leaking. In addition, sanitary adaptors were installed on the valve with Asahi/America's advanced SP 110-B beadless IR welding technology, which impressed the customer.

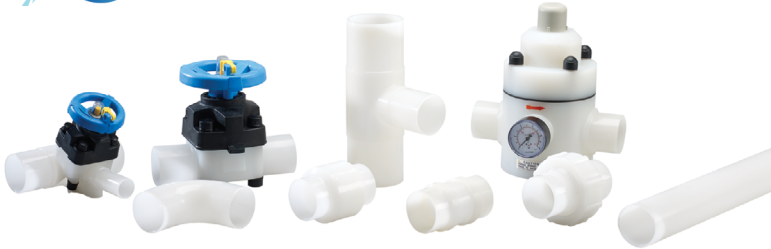
The distributor salesman stated, "Asahi's team was ready to help and I will always consider them first for PVDF medical device manufacturing applications."

Asahi Advantage

- Custom fabrication options
- On-site weld training opportunities
- Advanced IR welding technology available
- Start-to-finish project assistance

Asahi/America is a supplier of a wide range of valves, actuators, pipe, fittings, and welding equipment for high purity, commercial, industrial and environmental applications. Discover more at www.asahi-america.com

PURAD PVDF Piping



Purad[®] Ultra High Purity PVDF Piping System

Pipe and Fittings

- 20-315 mm (1/2"-12") SDR21 (230psi)
- 90-315mm (3"-12") SDR33 (150psi)

Valves

- T-342 diaphragm valves: 20-110mm (1/2"-4")
- T-343 zero dead leg valves: 20-110mm (1/2"-4")
- Type-21 ball valves: 20-110mm (1/2"-4")
- Frank series regulating valves: 20-75mm (1/2"-2 1/2")

Sizes

- 20-315mm (1/2"-12") SDR31 (230psi)
- 90-315mm (3"-12") SDR33 (150psi)

Applications

- Pharmaceutical
- UPW
- WFI
- Semiconductor
- Photovoltaic
- Nanotech

Welding methods



SP 110-B Beadless Welding Tool

Features/ Benefits

- Internal validation program
- Full automation eliminates operator influence during fusion process and provides unmatched repeatability
- Provides several QA sources
- Includes printer and cleanroom labels
- Ideal for shop operations
- 110-230 VAC power converter

Size Range

- 20-110mm (1/2"-4")

Materials

- PVDF, PP, PPn

Notes

- Available for purchase or rental
- Requires balloons

Ultra High Purity Piping Systems

At the core of the Purad[®] system is its resin. Utilizing only high purity grades of Solvay Polymer's SOLEF[™] 1000 series resins, Purad[®] provides unmatched quality and low leachouts for all of its pipe, fittings, valves, and raw material. Absolutely no stabilizers, additives or processing agents are used during production.

**Another
Corrosion
Problem
Solved.[™]**