

# Specialty and Custom

---

## Overview

Partek will design custom assemblies for all your applications. Partek has a state of the art facility with dedicated, expert personnel that are focused on your design and creating a solution to your needs. All of the products pass through Partek Engineering and customer approval process before being manufactured, assembled and 100% leak tested at our ISO 9001 UHP Facility. These include, but are not limited to, such products as:

- **Manifolds**
- **Welded Assemblies**
- **Surface Mounts**
- **Valve Assemblies**
- **Special Customer Components**
- **Miscellaneous Assemblies**

We focus on fluorinated polymer flow control products for use in fluid systems where corrosion resistance or high purity is required. Materials we can manufacture your specialty product from include, but are not limited to, PTFE, Modified PTFE, PFA, FEP, PVDF, and ETFE.

Partek has over 20 years of experience in fabricating products used in applications including semiconductor manufacturing; chemical, food, and pharmaceutical processing; and biomedical and analytical instrumentation. Whatever your specialty applications needs are, Partek can provide it.

## Design and Assembly Process

### Defining Your Needs

Through thorough analysis and review, Partek will provide your custom assembly in a timely manner. Based on the analysis, our expert engineers will create your design to meet your product's specific application. Armed with the latest CAD technology, your design will include drafting, layouts, 2-dimensional and 3-dimensional drawings. Partek is committed to working closely with you to develop your concepts into a solution that will exceed all your specialty needs.

### Quotation and Approval

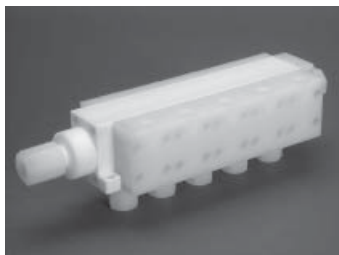
Partek will provide a quotation for your approval. The quotation will be submitted with detailed drawings for your review, and will also contain our price, delivery time, testing, packaging and prototype (if required).

### Assembly

Upon receipt of your signed approval and purchase order, we will manufacture and assemble your custom product in a controlled environment. Our experienced lab technicians will assemble your product to your exact specifications within the required lead time.

### Solution

The product you needed is ready for shipment. Remember, from your initial concepts to the delivery of your application specific product, Partek ensures only the highest quality materials and workmanship in designing and manufacturing your specialty products.



## Manifolds

Engineered manifolds combine valves and fittings onto one larger PTFE block. Due to the continuous need to reduce space in chemical cabinet environments, you will benefit from:

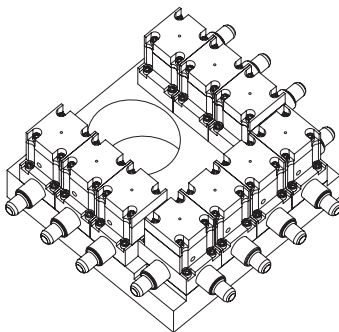
- Reduction in size to the absolute minimum.
- Reduction in the quantity of connections.



## Weld Assemblies

The use of Parbond fittings and PFA pipe provides for the most permanent and leakproof connection available on the market today. Utilizing state of the art fusion welding equipment, Partek/Atlantic can assemble a drop in unit for all permanent applications.

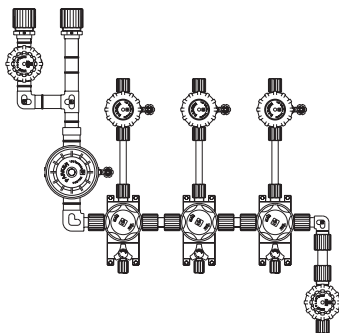
- Significantly reduces assembly time in the field.
- Small assemblies eliminate connections.
- Allows customers to modify and improve system efficiency.



## Surface Mounts

Individual bottom ported valves mounted to a substrate is a growing trend. We manufacture modular components of various sizes, Cv rates and orientations along with custom single and multi-station subbases of many diverse flow patterns.

- Assembly adaptability in the field due to modular components and blocking plates.
- Significantly reduces space and number of connections.



## Valve Assemblies

Standard and/or nonstandard valves coupled together to develop a custom product for all types of specialty applications. These are constructed, mounted and tested in a complete drop-in configuration to reduce OEM and MRO assembly, repair time, and total fitting connections.

- Provides a solution for unique flow applications.
- Reduces space to a minimum.
- Partek takes a value added approach when engineering these assemblies.



## Special Customer Components

Specially designed components not in the scope of Partek/Atlantic's standard product line, but the need falls within our manufacturing, machining and molding capabilities to fulfill the customer's requests. Designated with a CPRT number for internal identification purposes.

- Solves specific and critical customer applications.
- Value added engineering and service.



## Miscellaneous Assemblies

Your application is our challenge.