



VALUE PLASTICS®, INC.

SPECIALISTS IN FLUID CONNECTIONS™



LEADERSHIP
PRECISION
QUALITY
SERVICE
INNOVATION

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Australian Distributors : **TECH**nology . . . for ALL Your chromatography supplies !



Welcome to Value Plastics!

Thank you for your interest in our products. If you're a current customer, we thank you for your past support and look forward to exceeding your expectations in the future. If you're seeing us for the first time, we welcome the opportunity to earn your trust.

What we do:

Value Plastics designs and manufactures a proprietary line of plastic connectors for low pressure fluid management applications. Products available from stock include over 3,100 different style and material combinations with tubing IDs ranging from 1/16" to 1". We also offer custom component manufacturing, tubing, select medical OEM components and our TUBESETTER® fitting inserters to facilitate device assembly.

Where we come from:

We're located in Fort Collins, Colorado, at the base of the Rocky Mountains, 55 miles north of Denver. Our facility is state-of-the-art and self-contained from in-house product design through tooling, manufacturing, assembly and packaging. Customer support, sales and marketing resources support the world from this single facility.

Our quality commitment to you:

We are dedicated to exceeding your expectations. We operate a quality system registered under the guidelines of ISO 9001:2000 and maintain full traceability for all our manufactured products. We welcome our customers to conduct an on-site supplier audit with the knowledge that our systems have satisfied the most demanding requirements of medical device manufacturers worldwide.

Your assurance of VP quality:

How can you be sure that you're getting a genuine Value Plastics® fitting? Look for our logo. Molded into every component we manufacture, our logo is your assurance you are producing the highest quality items. By relying on our superior tooling and craftsmanship, you can be assured that you will have the best OEM tubing components in your products.

To protect our designs and our customers, it is important to be aware of the patents and trademarks that apply to our products. Look for the Value Plastics logo (VP) to ensure you do not mistakenly use a poor quality counterfeit of a Value Plastics® fitting, thereby jeopardizing the integrity and quality of your product. Many attributes of our components are covered by patent, including but not limited to, barb, grips, function and other design features.

Quality Management System

At Value Plastics, quality is designed in from the outset; it's not an add-on at the end of the process. Our Quality Management System is registered under the auspices of ISO 9001:2000 and passes the most stringent evaluations possible — our customers' audits. We anticipate your needs and modify our systems to exceed your expectations. Our quality and consistency help you save money through your ability to implement dock-to-stock programs.

Design, Engineering and R&D

Value Plastics' staff of product development professionals uses the most modern equipment to design the best fluid management products available anywhere. Whether your need is for new products or custom solutions, our focus on healthcare OEM means we understand your needs and don't need to be coached to your industry requirements. Designs incorporating human factors, finite element analysis, DFMA, rapid prototyping and concurrent engineering are just some of the tools used to bring you the components you require, when you want them.

Manufacturing Consistency

Our all-electric injection molding presses are chosen for shot-to-shot consistency and outfitted with the most up-to-date process monitoring software available. Each operator is responsible for product quality at the press and has every tool at their disposal. All molding, secondary operations and packaging take place in a controlled environment to assure component readiness for your production floor.

Clean Room Manufacturing

All Value Plastics' products are now manufactured and packaged in an environment that meets the requirements of ISO 14644-1 Level 8 (formerly identified as Class 100,000).



What's new at Value Plastics?

Value Plastics is on the move! This last year has found Value Plastics innovating and growing at a great pace! In this section you can find quick references to our new tubing components and most notable business additions!

Online Ordering - Available Soon!

We are pleased to announce that the Fall of 2006 will usher in a new era of purchasing ease for the Value Plastics' customer with online ordering! Watch www.valueplastics.com for details!

BPF Series - Bayonet-Style Female Quick Connect Fittings

Not only does the BPF Series adhere to the ISO Standard BS EN 1060-3, it is by far the easiest to connect bayonet-style female connector on the market. To see other innovative BPF Series features turn to page 22.

Part Order Status!

Order status has changed for many Value Plastics products. Please make sure to identify your part status by the color of its listing, black text signifies standard off-the-shelf parts while red text signifies special make-to-order parts with order minimums.

Panel Mount Fittings

We have added 3 new Male Luer Panel Mount Fittings in 1/16", 3/32" and 1/8" tubing IDs to complement our Female Luer Panel Mount fittings, which can be found starting on page 19. And to better address component specific features we have moved luer-based panel mount components to page 19 and tube-to-tube-based panel mount fittings to page 44.

Introducing the Value Plastics Design Center

We now have a dedicated collaborative engineering staff to help you design non-standard tubing fittings when you just can't use an off-the-shelf fitting in your application. To find out more on how we will work with you turn to page 28.

600 Series - Large Tube-To-Tube Connectors

Value plastics has introduced a new design that complements Value Plastics' existing line of 500 Series fittings for use with tubing sizes 1/4" (6.4 mm) to 1" (25.4 mm). These fittings are designed for the most demanding applications involving silicone, C-Flex®, Tygon® and vinyl tubing. The materials used comply with USP Class VI requirements for biocompatibility. To start specifying 600 Series today go to page 46.

Channel Partners added to service regional needs

Promepla is a leading supplier of disposable medical products to the medical and pharmaceutical industries. Since its creation in 1969, Promepla's focus is real time service to the industry.

Promepla Countries:

Austria	Portugal
France	Spain
Italy	Switzerland
Monaco	

The West Group has been associated with the supply of fluid and analytical processing equipment for various industries for over 30 years. West has a unique portfolio of products, which are complimented by their ability to both design and manufacture components to meet specific applications.

MedNet is an internationally operating sales and marketing organization for medical and pharmaceutical components and services. They represent companies from all over the world, who distinguish themselves by innovative products.

ISIS Co., Ltd. is an import distributor of scientific laboratory equipment and supplies. The company maintains inventories of Value Plastics' most popular products for laboratory and analytical instrument markets and maintains a network of wholesalers and local dealers throughout Japan.

Sanwa Enterprise Co., Ltd., is an import distributor of high-quality fluid handling products. Sanwa's sales network supplies application guidance and inventory support to customers in medical and industrial markets.

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Our Single Barb Concept

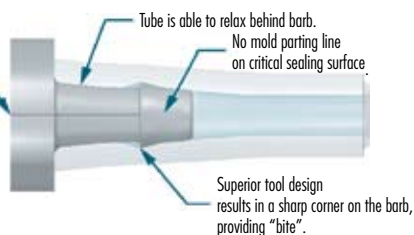
Many designers are not aware of the benefits of using a single barb versus a multi-barb fitting, but the barb design greatly affects the security of your tube connection.

Because of the shape of a barb, it is impossible to injection mold any but the first barb without a parting line. The parting line creates a potential leak path that becomes more pronounced as the tooling wears, increasing the likelihood of failure.

Two other problems exist with multiple barb fittings. First, it is impossible to fabricate tooling that creates a perfectly sharp edge on each barb of a molded multi-barb fitting — a feature critical to the performance of the connection.

SINGLE BARB MOLD PART LINE:

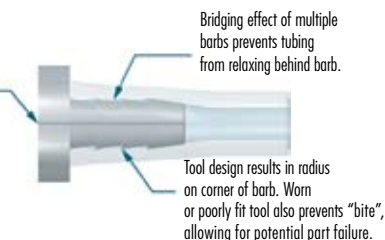
Placed where it can't affect critical sealing surfaces.



Second, multiple barb fittings do not allow the tubing to relax behind the first barb. Because the tubing “bridges” from barb to barb it is not allowed an uninterrupted interface with the fitting. This results in compromised pressure and tensile capacities. Value Plastics® single barb design avoids these shortcomings. Our expert tooling design assures the sharpest edge possible allowing the barb to “bite” into the tubing. Then, the cylindrical surface behind the barb allows the tubing to relax against the fitting. The result is a connection with excellent tensile and pressure performance.

MULTI BARB MOLD PART LINE:

Potential leak path on critical sealing surfaces.



The **CLASSIC SERIES** is characterized by a longer barb that extends the sealing surface of the fitting. Tubing is expanded from 42% to 69% above its nominal ID.



The **200 SERIES** offers outstanding performance characteristics when used with flexible tubing. Tubing is expanded by 50% above its nominal ID, permitting high-pressure capabilities.



The **300 SERIES** offers outstanding performance characteristics when used with flexible tubing. Tubing is expanded by 35% above its nominal ID, permitting high-pressure capabilities in the larger tube sizes.



The **400 Series** provides easy assembly while maintaining excellent pressure and tensile capabilities. Originally created for semi-rigid tubing, this series is preferred for applications where tensile/pressure properties are not highly critical, or when ease of assembly is desired. The 400 Series expands the tubing 25% above its nominal ID.



The **500 SERIES** profile is composed of blended radii, giving it the distinct look. Each barb is designed to accommodate a range of tube sizes and tube types. Consideration should be given to flow restriction, pressure capability, and the force required for assembly of the tube.



The **600 SERIES** barbs are designed for use with silicone, C-Flex® and PVC tubing sizes commonly used in biopharm and other applications. Tubing is expanded from 18% to 34% above its nominal ID to maintain a low profile and ease of assembly, and the straight barb stem facilitates use of recommended cable tie retainers or hose clamps.



The **900 SERIES** offers outstanding performance characteristics when used with flexible tubing. Tubing is expanded from 8% to 17% above its nominal ID. This barb provides high flow efficiency and excellent tensile strength. A hose clamp is recommended for this series.

The data presented here is for reference only. It was compiled to provide our customers with a means of comparing the characteristics of components at the time of publication. The particular conditions of your use and application of our products are beyond our control. Thus, it is imperative that you test our products in your specific application to determine their suitability. All information is provided without implied or expressed warranty or guarantee by Value Plastics® or other manufacturers. None of the information provided constitutes a recommendation or endorsement of any kind by Value Plastics®.