



VALUE PLASTICS, INC.

A NORDSON COMPANY



SERVICE QUALITY DELIVERY PROVEN PRECISION INNOVATION TRUSTED LEADERSHIP DIRECT SALES CUSTOM PARTS
QUICK CONNECT FITTINGS SANITARY FITTINGS LUERS TUBE-TO-TUBE BLOOD PRESSURE THREADED TAPERED SEAL
QUALITY DELIVERY PROVEN PRECISION INNOVATION TRUSTED LEADERSHIP DIRECT SALES CUSTOM PARTS SERVICE
SOLUTIONS BUILD-A-PART QUICK CONNECT FITTINGS SANITARY FITTINGS LUERS TUBE-TO-TUBE FITTINGS
CONDUCTED LEADERSHIP DIRECT SALES CUSTOM PARTS
BLOOD PRESSURE THREADED

SPECIALISTS IN FLUID CONNECTIONS

Welcome To Value Plastics' Interactive Catalog!

In order to meet the needs of our customers, Value Plastics has chosen to develop a user-friendly tool that allows for quick and easy access to our vast selection of parts, along with their specifications and technical information. Within this PDF, you will enjoy the following features:

Part Description And Image Hyperlinks

Click on each part to view pricing, see part drawings, and add parts to your shopping cart

Various Messages Within Sections

These messages will link you to product line details such as datasheets and part drawings

Online Technical Information

Use the catalog's technical charts to link to online data

Bookmarks And Interactive Table of Contents

For easy navigation, use these tools to jump to different product lines within the catalog

Barb Style Descriptions

Click on this section to access specifications for each style

Material Data Panels

Refer to these side panels for definitions of part extensions and click to view material data online

In-Text References

E-mails, page number, and website references will link you to the appropriate location

Designer Kit Details

Click on designer kit headers to view part maps

Interactive Index

This tool allows you to quickly access a specific part within the catalog

Search Capabilities

Use the search tool to find keywords throughout the PDF

Offline Access

Download the catalog and save it to your computer for quick and easy offline access!

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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 4,000 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 9001:2008 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 intellectual property 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 9001:2008 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 14644-1:1999 (E) Class 8 (Class 100,000) standards.



Value Plastics supplies the world with precision molded components, which are designed, manufactured and distributed from our facility in Fort Collins, Colorado, USA.

BPL Series

Value Plastics introduces the BPL Series of tubing connectors, a new alternative to Luer fittings. The BPL Series of connectors incorporates a quarter-turn design that is commonly used in blood pressure applications – particularly blood pressure cuffs. Features such as Value Plastics' 10-point grip coupled with the BPL's patent pending winged male fitting provide superior ergonomics, while the snap-on design makes it easy to confirm that components are properly connected. **Pg 36**



SCV Series Additions and Price Incentives

We are pleased to announce that we are extending our inline check valve product line this year with two new fittings, as well as some ground breaking innovations in the near future. There will also be new volume price incentives in the coming months, please call your account manager for further details. **Pg 16**



-6 Polypropylene Discontinuation

You will notice that there are no longer any parts with the -6 polypropylene resin available in this catalog. Value Plastics has received notice from LyondellBasell that they are discontinuing the manufacture of this resin. We are now offering an alternate polypropylene resin -6005 which has the added benefit of being animal-free, and USP Class VI.

We apologize for any inconvenience that this situation creates for our customers. Although this decision is entirely out of our control Value Plastics is here to assist our customers through this transition and will strive to ensure the timely delivery of our products. Please contact Value Plastics sales at 1-888-404-5837 or sales@valueplastics.com to get price and availability of parts in the -6005 polypropylene.

PharmaLok™ Sanitary Clamps

Value Plastics' new clamp series is a revolutionary addition to the biopharm industry due to its unique, user-friendly design. The clamps can easily be closed with one hand, allowing end users the ability to work quickly and efficiently. The PharmaLok series may be found beginning on **page 19**.



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What is ISO 80369

Hospitals and other healthcare facilities depend on a variety of catheters, tubing and syringes to deliver medications and other substances to patients through vascular, enteral, respiratory, epidural and intrathecal delivery systems. These delivery systems frequently employ fittings called luer connectors to link various system components. Unfortunately, because luer connectors are ubiquitous, easy-to-use and compatible between different delivery systems, clinicians can inadvertently connect wrong systems together, causing medication or other fluids to be delivered through the wrong route. Such errors can cause serious patient injuries and deaths. To further reduce the occurrence of these misconnections, the FDA is actively participating in an international effort to develop and implement standards for noninterchangeable connectors for small bore medical connectors. A joint working group established by the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC) leads this effort to develop a series of standards for incompatible connectors. ISO 80369-1 is the first in the series of standards and establishes the applications specified below that will have their own unique connector geometries.

ISO 80369-2: Breathing Systems and Driving Gases

ISO 80369-3: Enteral and Gastric

ISO 80369-4: Urethral and Urinary

ISO 80369-5: Limb Cuff Inflation

ISO 80369-6: Neuraxial

ISO 80369-7: Intravascular (IV)

When will it come into effect?

Each section of the ISO 80369 standard is being defined separately. Currently, ISO 80369-2 and ISO 80369-7 are the farthest along in development, yet it is difficult to say when the entire standard will be complete.

How does it impact me?

Compliance with the ISO 80369 standard may require major changes on the part of medical device manufacturers. In the next few years, if these standards are approved it could mean new designs, new parts, new moldings and updating or replacing millions of components. While you may choose to manufacture your own custom fittings, you must consider

the significant costs associated with such an endeavor. There is also the possibility that these custom fittings may inadvertently connect with other applications' fittings that are not yet defined.

It is important to note that if this standard passes, it does not mean that luers can no longer be used in the referenced markets. Until connectors are defined and approved for each market, no definitive action can be taken.

How can I prepare?

While the standards have not yet been completely established, the main precaution that medical device manufacturers can take to help prevent any future problems is to stay up-to-date on ISO 80369 news. Value Plastics is one of only a few connector companies worldwide actively participating on ISO 80369 committees. To keep the medical device community apprised of new developments, we have chosen to provide information in one web location. Value Plastics has set up an online resource to help medical device OEMs stay informed of the changes and updates to this standard.

To read the latest updates, subscribe to alerts, and view related resources, go to Value Plastics' online resource at i8.valueplastics.com.



i8.valueplastics.com

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

SINGLE BARB MOLD PART LINE:

Placed where it can't affect critical sealing surfaces.

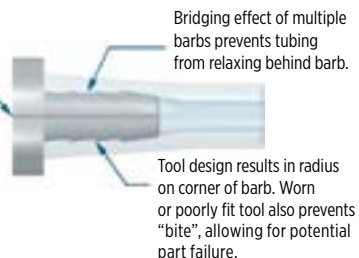


edge on each barb of a molded multi-barb fitting – a feature critical to the performance of the connection.

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 **700 SERIES** barb is designed for use with Value Plastics' XQ Series quick connect fittings. This unique single barb is available in sizes to fit the 1/4" (6.4 mm), 5/16" (7.9 mm) and 3/8" (9.5 mm) ID tubing sizes and materials commonly used in disposable and reusable medical equipment. Reinforced PVC, unreinforced PVC and polyurethane tubing materials work well with this barb style.



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'.

DESIGN CENTER



“It would have taken me two to three times as long and two to three times as much money without Value Plastics. This is who you want to work with. They have become part of our team.”



Fitting The World's Most Fluid Designs

How it works:

- 1 Define your product requirements:**
Describe your application and requirements or provide us with a drawing or simple sketch. From here we can determine what details are needed and can help define the most ideal and cost-effective connector concept for your application.
- 2 Call the Design Center to explore your connector options:**
There may be a suitable off the shelf solution or perhaps we can adapt an existing connector to your application. Often the modification of an existing mold can be significantly faster and less expensive.
- 3 Collaborate:**
Working with your requirements, we can help walk you through the most cost effective solutions to achieve your desired performance. That may mean simply taking 2 or 3 connectors and identifying a low-cost means to roll them into a single connector.
- 4 Go-to-market:**
As we arrive at a solution together, we closely involve your team in the design and development process to ensure that as we approach production you have everything you need for qualification to get you to market both quickly and safely. The rest is up to you!



What happens when “off-the-shelf” just doesn’t work? The Design Center builds a new shelf!

Your Solution. Faster. For less.

With project requirements and timelines becoming increasingly demanding, it’s critical to partner with a team who understands fluid management solutions and the rigors of today’s medical device and biotech markets. Team up with the Value Plastics Design Center for your custom connector needs, whose market leading service, quality and delivery you’ve already come to know.

Here’s what you can expect from our Design Center and the “Specialists in Fluid Connections”:

Save Time – Talk to someone who understands your application requirements. The Design Center works with you to determine the most suitable material and design options to deliver the best performing product as cost-effectively as possible. We also utilize state of the art rapid prototyping techniques and in-house testing facilities to keep your project moving quickly and economically.

Save Money – Start with our existing product offering of over 4,000 fluid connectors, or utilize some of our existing mold configurations toward perfectly customizing a part to your application. Don’t forget, our technical and design assistance is FREE!

Save Trouble – Ensure that everything around your project will be done right the first time. Our dedicated and experienced staff will make sure that the finest details are covered from the time that we review your product requirements to the final product qualification.

The Design Center can also assist you in developing fluid connectors that comply to emerging standards. Value Plastics is an active member of the ISO 80369 standards group defining new standard connectors for small bore, medical device connections.

To get started today contact your Value Plastics Design Services Manager:

Toll Free - +1 (866) 582-0965

**Email - designcenter@valueplastics.com
dc.valueplastics.com**

CF104 (-6005)
Male Luer Integral Lock Ring Plug, \emptyset .033 Orifice at Luer Tip



CF226 (-6005)
High Flow Connector to 500 Series Barb, 1/4" (6.4 mm) ID Tubing (May be used with separate rotating lock ring; CF227)



CF015 (-1)
Female Luer Lug Style Flare to M6x.75 Thread



CF131 (-1)
Male Luer Integral Lock Ring Plug, Closed at Grip (Short Luer)



CF141 (-9)
Male Luer to Female Luer Thread Style Coupler (\emptyset .045 Thru Bore with \emptyset .055 Male Side Bond-in Port)



CF148 (-9002)
Male Luer to Female Luer Thread Style Coupler (\emptyset .045 Thru Bore with \emptyset .080 Male Side Bond-in Port)



CF210 (-6005)
Male Luer to Female Luer Thread Style Coupler (\emptyset .125 Center Bond-in Port)



CF213 (-3)
Male Luer Integral Lock Ring Plug, Closed at Grip (\emptyset .055 to \emptyset .060 Core)



CF224 (-9)
Male Luer Integral Lock Ring to 500 Series Barb, 5/32" (4 mm) ID Tubing (\emptyset .076 Bore)



CF233 (-6005)
Female Extended Luer Thread Style to 200 Series Barb, 1/16" (1.6 mm) ID Tubing



CF235 (-9 -91)
Male Luer to Female Luer Thread Style Coupler (\emptyset .023 Thru Bore with \emptyset .033 Male Side Bond-in Port)



CF239 (-6005)
Male Luer Integral Lock Ring to Female Luer Thread Style Extended Coupler



CF322 (-1)
Female Luer Lug Style Flare to 1/4-32 UNF Thread



- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

Resin Reference

- Pg 82 Chemical Resistance
- Pg 83 Regulatory Status
- Pg 84 Sterilization Stability
- Pg 85 Typical Properties

CUSTOM TUBE-TO-TUBE FITTINGS:

CF079 (-1)

1/8" Tee With Blank Single Leg to 200 Series Barb, for 1/8" (3.2 mm) ID Tubing



CF128 (-1)

Straight Through Connector for Orifice Insert, 200 Series Barbs, 1/8" (3.2 mm) ID Tubing



CF302 (-1)

Tee Reduction Connector with 400 Series Barbs, 1/16" (1.6 mm) and 3/32" (2.4 mm) ID Tubing



CUSTOM THREADED:

CF001 (-6005)

Bottom Sealing 1/4-28 UNF Thread To Classic Series Barb, 1/16" (1.6 mm) ID Tubing



CF165 (-6005)

1/4-28 UNF Thread with O-Ring Seal and 5/16" Hex to Classic Series Barb 1/16" (1.6 mm) ID Tubing



CF166 (-6005)

1/4-28 UNF Thread Plug with O-Ring Seal and 5/16" Hex



CF173 (-6005)

Bottom Sealing 1/4-28 UNF To 200 Series Barb, 3/16" (4.8 mm) ID Tubing



CF202 (-J1A)

10-32 UNF To Tube Elbow With Custom Thread Orientation and 400 Series Barb, 3/32" (2.4 mm) ID Tubing



Looking for Something Different?

"It would have taken me two to three times as long and two to three times as much money without Value Plastics. This is who you want to work with. They have become part of our team."

— Murat Kuru
Founder of Lipocosm, LLC



Need more details?

Check out the Design Center Datasheet at www.valueplastics.com or contact Sales at sales@valueplastics.com

11

DESIGN
CENTER

Material Reference

-001 (various, see part description)

-06 Orange Nylon

-07 Yellow Nylon

-0 Natural Nylon

-1 White Nylon

-2 Black Nylon

-3 Red Nylon

-4 Green Nylon

-5 Blue Nylon

-7 Glass Filled Natural Nylon

-8 Gray Nylon

-8B Gray Nylon

-9 Clear Polycarbonate

-10 Acetal

-40 Polysulfone

-81 Lace White ABS

-91 White Polycarbonate

-1006 Natural Acetal

-1007 Black Acetal

-6005 Animal-Free Polypropylene

-6006 White Polypropylene

-8003 Natural ABS

-8012 White ABS

-9002 Rad. Stable Polycarbonate

-9010 Rad. Stable Polycarbonate

-B Buna-N O-ring

-CM030 Dark Blue Nylon

-E PTEE/EPDM

-EP EPDM O-ring

-J1A Natural Kynar PVDF

-J1A2 Black Kynar PVDF

-PX Platinum-Cured Silicone

-U71 White Class VI Glass Filled Nylon

-U75 Blue Class VI Glass Filled Nylon

-VP1 Animal-free Polyethylene

-X2 Buna-N Rubber

-XO Stainless Steel

Resin Reference

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Pg 83 Regulatory Status

Pg 84 Sterilization Stability

Pg 85 Typical Properties

QUICK CONNECT

FITTINGS



Female Open Flow Straight
PG-13



Male Open Flow Straight
PG-13



Female Open Flow Straight
PG-13



Male Open Flow Straight
PG-13



Female Open Flow Straight
PG-14



Female Valved Straight
PG-14



Female Open Flow Panel Mount
PG-14



Female Valved Panel Mount
PG-14



Male Open Flow Straight
PG-14



Male Valved Straight
PG-14



Male Open Flow Panel Mount
PG-15



Male Valved Panel Mount
PG-15



Male Open Flow Elbow
PG-15



Male Valved Elbow
PG-15



Value Plastics offers three distinct families of quick connect fittings (quick disconnect couplings), the MQC, SBL and XQ Series products, for applications covering 1/8" (3.2 mm) through 3/8" (9.5 mm) ID tubing.

The MQC Series is an easy to use Push-to-Connect design and arguably one of the most versatile quick connect solutions

MQC

Series

on the market. With its large, ergonomic buttons and wide selection of colors, both designers and end users will embrace its unique features. The MQC Series of connectors are available in nylon and fit 1/8" (3.2 mm), 5/32" (4.0 mm) and 3/16" (4.8 mm) ID tubing. Between its versatility, one-of-a-kind design, and loud "click" indicating a secure fit, misconnects will be a problem of the past!

The SBL Series connector system is so intuitive that users just automatically know how to operate it the minute they pick it up. SBL Series quick connect fittings are cost effective and designed to meet your needs for a reusable component for small-bore applications in all fluid delivery areas. The SBL Series range is available in nylon, in two contrasting colors and fits 1/8" (3.2 mm) and 3/16" (4.8 mm) ID tubing for in-line applications.

SBL

Series

The XQ Series quick connect fittings, available in open flow and with integral shutoff valves, bring performance, convenience and utility to your tubing applications. XQ Series products fit 1/4" (6.4 mm), 5/16" (7.9 mm) and 3/8" ID (9.5 mm) tubing and are produced in acetal and polypropylene in five basic configurations – in-line male, in-line female, male panel mount, female panel mount and elbow. For versatility, durable XQ Series couplings interchange with other plastic and metal button-type couplings. Bring performance and service to your tubing applications by specifying XQ Series quick connects.

XQ

Series

MQC SERIES:
Female Open Flow

MQCF230 (-1 -2 -3 -4 -5 -8)

Dual Latch Quick Connect Female 200 Series Barb 1/8" (3.2 mm) ID Tubing



MQCF240 (-1 -2 -3 -4 -5 -8)

Dual Latch Quick Connect Female 200 Series Barb 5/32" (4.0 mm) ID Tubing



MQCF250 (-1 -2 -3 -4 -5 -8)

Dual Latch Quick Connect Female 200 Series Barb 3/16" (4.8 mm) ID Tubing



MQC Series:
Male Open Flow

MQCRM230 (-001 -002 -003 -004 -005 -08B) Nylon, Buna-N O Ring

Dual Latch Quick Connect Male 200 Series Barb 1/8" (3.2 mm) ID Tubing



-001 White Nylon
-005 Blue Nylon

MQCRM240 (-001 -002 -003 -004 -005 -08B) Nylon, Buna-N O Ring

Dual Latch Quick Connect Male 200 Series Barb 5/32" (4.0 mm) ID Tubing



-001 White Nylon
-005 Blue Nylon

MQCRM250 (-001 -002 -003 -004 -005 -08B) Nylon, Buna-N O Ring

Dual Latch Quick Connect Male 200 Series Barb 3/16" (4.8 mm) ID Tubing



-001 White Nylon
-005 Blue Nylon

SBL SERIES:
Female Open Flow

SBLF013 (-1 -2 -8B -CM030)

Side Latch Quick Connect Female 500 Series Barb, 1/8" (3.2 mm) ID Tubing



SBLF035 (-1 -2 -8B -CM030)

Side Latch Quick Connect Female 500 Series Barb, 3/16" (4.8 mm) ID Tubing



SBL Series:
Male Open Flow

SBLM013 (-001 -002 -004 -005) Nylon, Buna-N O Ring

Side Latch Quick Connect Male 500 Series Barb, 1/8" (3.2 mm) ID Tubing



-001 Gray Nylon
-002 Blue Nylon

SBLM035 (-001 -002 -004 -005) Nylon, Buna-N O Ring

Side Latch Quick Connect Male 500 Series Barb, 3/16" (4.8 mm) ID Tubing



-001 Gray Nylon
-002 Blue Nylon

Need samples for evaluation?

You can call to request most of our standard product in quantities of 5, or less, for free application evaluation.

+1 (970) 267-5200 Toll Free: (888) 404-5837

Need more details?

Check out the MQC, SBL, and XQ Datasheets at www.valueplastics.com or contact Sales at sales@valueplastics.com

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Material Reference

QUICK CONNECTS

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

Resin Reference

- Pg 82** Chemical Resistance
- Pg 83** Regulatory Status
- Pg 84** Sterilization Stability
- Pg 85** Typical Properties

XQ SERIES: Female Open Flow Straight

XQSF755 (-1006)
XQ Series Female Open Flow Connector, 700 Series Barb, 1/4" (6.4 mm) ID Tubing



XQSF770 (-1006 -1007)
XQ Series Female Open Flow Connector, 700 Series Barb, 3/8" (9.5 mm) ID Tubing



XQ Series: Female Valved Straight

XQSVF755 (-1006-B -1007-B -6006-EP)
XQ Series Female Valved Connector, 700 Series Barb, 1/4" (6.4 mm) ID Tubing



XQSVF765 (-1006-B -1007-B)
XQ Series Female Valved Connector, 700 Series Barb, 5/16" (8.0 mm) ID Tubing



XQSVF770 (-1006-B -1007-B -6006-EP)
XQ Series Female Valved Connector, 700 Series Barb, 3/8" (9.5 mm) ID Tubing



XQ Series: Female Open Flow Panel Mount

XQSBF755 (-1006)
XQ Series Female Open Flow Panel Mount Connector with 11/16-24 UNEF thread, 700 Series Barb, 1/4" (6.4 mm) ID Tubing, Nickel-Plated Brass Hex Nut (included)

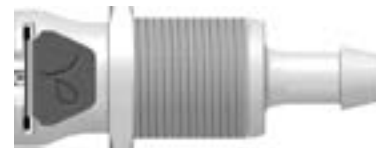


XQSBF770 (-1006)
XQ Series Female Open Flow Panel Mount Connector with 11/16-24 UNEF thread, 700 Series Barb, 3/8" (9.5 mm) ID Tubing, Nickel-Plated Brass Hex Nut (included)



XQ SERIES: Female Valved Panel Mount

XQSVBF755 (-1006-B)
XQ Series Female Valved Panel Mount Connector with 11/16-24 UNEF thread, 700 Series Barb, 1/4" (6.4 mm) ID Tubing, Nickel-Plated Brass Hex Nut (included)



XQSVBF770 (-1006-B)
XQ Series Female Valved Panel Mount Connector with 11/16-24 UNEF thread, 700 Series Barb, 3/8" (9.5 mm) ID Tubing, Nickel-Plated Brass Hex Nut (included)



XQ Series: Male Open Flow Straight

XQCM755 (-1006-B)
XQ Series Male Open Flow Connector, 700 Series Barb, 1/4" (6.4 mm) ID Tubing



XQCM770 (-1006-B)
XQ Series Male Open Flow Connector, 700 Series Barb, 3/8" (9.5 mm) ID Tubing



XQ Series: Male Valved Straight

XQCVM755 (-1006-B -6006-EP)
XQ Series Male Valved Connector, 700 Series Barb, 1/4" (6.4 mm) ID Tubing



XQCVM765 (-1006-B -1007-B)
XQ Series Male Valved Connector, 700 Series Barb, 5/16" (7.9 mm) ID Tubing



QUICK CONNECTS

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

Resin Reference

- Pg 82 Chemical Resistance
- Pg 83 Regulatory Status
- Pg 84 Sterilization Stability
- Pg 85 Typical Properties

XQ SERIES:
Male Valved Straight

XQCVM770 (-1006-B -1007-B -6006-EP)

XQ Series Male Valved Connector, 700 Series Barb, 3/8" (9.5 mm) ID Tubing



XQ Series:
Male Open Flow Panel Mount

XQCBM755 (-1006-B)

XQ Series Male Open Flow Panel Mount Connector with 11/16-24 UNEF thread, 700 Series Barb, 1/4" (6.4 mm) ID Tubing, Nickel-Plated Brass Hex Nut (included)



XQCBM770 (-1006-B)

XQ Series Male Open Flow Panel Mount Connector with 11/16-24 UNEF thread, 700 Series Barb, 3/8" (9.5 mm) ID Tubing, Nickel-Plated Brass Hex Nut (included)



XQ Series:
Male Valved Panel Mount

XQCVBM755 (-1006-B)

XQ Series Male Valved Panel Mount Connector with 11/16-24 UNEF thread, 700 Series Barb, 1/4" (6.4 mm) ID Tubing, Nickel-Plated Brass Hex Nut (included)



XQCVBM770 (-1006-B)

XQ Series Male Valved Panel Mount Connector with 11/16-24 UNEF thread, 700 Series Barb, 3/8" (9.5 mm) ID Tubing, Nickel-Plated Brass Hex Nut (included)



XQ SERIES:
Male Open Flow Elbow

XQCLM755 (-1006-B)

XQ Series Male Open Flow Elbow Connector, 700 Series Barb, 1/4" (6.4 mm) ID Tubing



XQCLM770 (-1006-B)

XQ Series Male Open Flow Elbow Connector, 700 Series Barb, 3/8" (9.5 mm) ID Tubing



XQ Series:
Male Valved Elbow

XQCVLM755 (-1006-B)

XQ Series Elbow Male Valved Connector, 700 Series Barbs, 1/4" (6.4 mm) ID Tubing



XQ Series:
Panel Mount Nut

PM4N (Nickel-Plated Brass)

XQ Series 11/16-24 UNEF Panel Mount Nut



Need it fast?

You can order any of our 4,000+ parts online now with no order \$ minimums, 24 hours a day, 7 days a week!

www.valueplastics.com

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Material Reference

QUICK CONNECTS

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

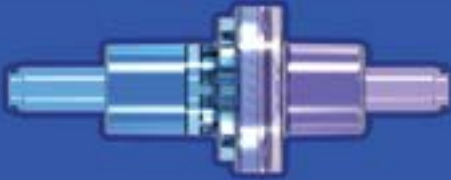
Resin Reference

- Pg 82** Chemical Resistance
- Pg 83** Regulatory Status
- Pg 84** Sterilization Stability
- Pg 85** Typical Properties

CHECK VALVES



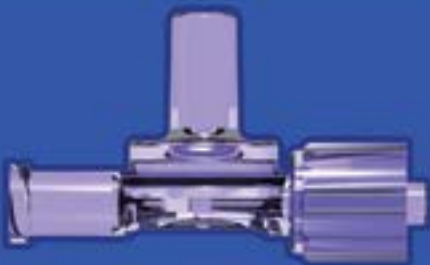
One Way Check Valves PG-16



Anti-Siphon Check Valves PG-17



Double Check Valves, Tubing Pocket Chimney Port PG-17



Double Check Valves, Female Luer Chimney Port PG-17



SCV Series: One-Way Check Valve

SCV01092 (Blue and Clear Polycarbonate w/Silicone Diaphragm)

Check Valve, Socket for .122" (3.1 mm) ID x .165" (4.2 mm) OD Tubing x 2



Cracking Pressure: \leq .174 psig
Max. Back Pressure: 87.023 psig
Flow Rate: \geq 90ml/min
Flow Direction: Left to right

SCV08053 (White SAN w/Silicone Diaphragm w/Natural LDPE)

Check Valve, Female Locking Luer to Male Locking Luer w/Cap



Cracking Pressure: \leq .174 psig
Max. Back Pressure: 87.023 psig
Flow Rate: \geq 90ml/min
Flow Direction: Left to right

SCV10090 (Clear Polycarbonate w/Silicone Diaphragm)

Check Valve, Female Locking Luer to Pocket for .118" (3.0 mm) OD Tubing



Cracking Pressure: \leq .174 psig
Max. Back Pressure: 87.023 psig
Flow Rate: \geq 90ml/min
Flow Direction: Left to right

SCV17090 (Clear Polycarbonate w/Silicone Diaphragm)

Check Valve, Female Locking Luer to Socket for .118" (3.0 mm) ID x .161" (4.1 mm) OD Tubing



Cracking Pressure: \leq .174 psig
Max. Back Pressure: 87.023 psig
Flow Rate: \geq 90ml/min
Flow Direction: Left to right

SCV21053 (Clear and White ABS w/Silicone Diaphragm)

Check Valve, Socket for .118" (3.0 mm) ID x .161" (4.1 mm) OD Tubing x 2



Cracking Pressure: \leq .174 psig
Max. Back Pressure: 87.023 psig
Flow Rate: \geq 90ml/min
Flow Direction: Left to right

SCV22050 (Clear SAN and Clear ABS w/Silicone Diaphragm)

Check Valve, Socket for .118" (3.0 mm) ID x .161" (4.1 mm) OD to Male Locking Luer



Cracking Pressure: \leq .174 psig
Max. Back Pressure: 87.023 psig
Flow Rate: \geq 90ml/min
Flow Direction: Left to right

SCV23050 (Clear SAN w/Silicone Diaphragm)

Check Valve, Female Locking Luer to Male Locking Luer



Cracking Pressure: \leq .174 psig
Max. Back Pressure: 87.023 psig
Flow Rate: \geq 90ml/min
Flow Direction: Left to right

SCV25052 (Clear ABS and Blue SAN w/Silicone Diaphragm)

Air Pressure Relief Valve, Stem for .157" (4.0 mm) ID Tubing to Stem for .118" (3.0 mm) ID Tubing



Cracking Pressure: \leq .174 psig
Max. Back Pressure: 87.023 psig
Flow Rate: \geq 90ml/min
Flow Direction: Left to right

SCV SERIES: Anti-Siphon Check Valve

SCV03052 (Clear and Blue ABS w/Silicone Diaphragm)

Check Valve, Pocket for .165" (4.2 mm) OD Tubing to Socket Fitting .122" (3.1 mm) ID x .165" (4.2 mm) OD Tubing



Cracking Pressure: 1.450-4.351 psig
Max. Back Pressure: 304.579 psig, max 30 sec.
Flow Rate: max 200 ml/min
Flow Direction: Left to right

SCV04052 (Clear and Blue SAN w/Silicone Diaphragm)

Check Valve, Female Locking Luer to Male Locking Luer



Cracking Pressure: 1.450-4.351 psig
Max. Back Pressure: 304.579 psig, max 30 sec.
Flow Rate: max 200 ml/min
Flow Direction: Left to right

SCV05052 (Clear SAN and Blue Acrylic w/Silicone Diaphragm)

Check Valve, Pocket for .165" (4.2 mm) OD Tubing to Male Locking Luer



Cracking Pressure: 1.450-4.351 psig
Max. Back Pressure: 304.579 psig, max 30 sec.
Flow Rate: max 200 ml/min
Flow Direction: Left to right

SCV06052 (Clear and Blue ABS w/Silicone Diaphragm)

Check Valve, Female Locking Luer to Socket for .122" (3.1 mm) ID to .165" (4.2 mm) OD Tubing



Cracking Pressure: 1.450-4.351 psig
Max. Back Pressure: 304.579 psig, max 30 sec.
Flow Rate: max 200 ml/min
Flow Direction: Left to right

SCV06248 (Blue SAN and Clear MABS w/ Silicone Diaphragm)

Check Valve, Pocket for .161" (4.0 mm) OD Tubing to Male Locking Luer



Cracking Pressure: 2.176 - 3.626 psig
Max. Back Pressure: 304.579 psig, max 30 sec.
Flow Rate: 170 ml/min
Flow Direction: Left to right

SCV06272 (Clear SAN and Blue MABS w/ Silicone Diaphragm)

Check Valve, Pocket for .161" (4.0 mm) OD Tubing to Female Locking Luer



Cracking Pressure: 2.176 - 3.626 psig
Max. Back Pressure: 304.579 psig, max 30 sec.
Flow Rate: 170 ml/min
Flow Direction: Left to right

SCV07052 (Clear ABS and Blue SAN w/Silicone Diaphragm)

Check Valve, Pocket for .122" (3.1 mm) OD Tubing to Male Locking Luer



Cracking Pressure: 1.450-4.351 psig
Max. Back Pressure: 87.023 psig
Flow Rate: max 200 ml/min
Flow Direction: Left to right

SCV09093 (Clear and White Polycarbonate w/Silicone Diaphragm)

Check Valve, Female Locking Luer to Pocket for .118" (3.0 mm) OD Tubing



Cracking Pressure: 1.450-4.351 psig
Max. Back Pressure: 87.023 psig
Flow Rate: max 200 ml/min
Flow Direction: Left to right

SCV11095 (Clear and Green Polycarbonate w/Silicone Diaphragm)

Check Valve, Female Locking Luer to Pocket for .098" (2.5 mm) OD Tubing



Cracking Pressure: 1.450-4.351 psig
Max. Back Pressure: 87.023 psig
Flow Rate: max 200 ml/min
Flow Direction: Left to right

SCV SERIES: Anti-Siphon Check Valve

SCV12052 (White and Blue SAN w/Silicone Diaphragm)

Check Valve, Female Locking Luer to Male Locking Luer



Cracking Pressure: 1.450-4.351 psig
Max. Back Pressure: 87.023 psig
Flow Rate: max 200 ml/min
Flow Direction: Left to right

SCV15050 (Clear ABS and Clear SAN w/Silicone Diaphragm)

Check Valve, Pocket for .165" (4.2 mm) OD Tubing to Male Locking Luer



Cracking Pressure: 1.450-4.351 psig
Max. Back Pressure: 87.023 psig
Flow Rate: max 200 ml/min
Flow Direction: Left to right

SCV16090 (Clear Polycarbonate w/Silicone Diaphragm)

Check Valve, Female Locking Luer to Pocket for .118" (3.0 mm) OD Tubing



Cracking Pressure: 1.450-4.351 psig
Max. Back Pressure: 87.023 psig
Flow Rate: max 200 ml/min
Flow Direction: Left to right

DCV Series: Double Check Valve, Tubing Pocket Chimney Port

DCV114 (-001) Radiation-Stable Polycarbonate

Double Check Valve, Tubing Pocket Chimney Port



Cracking Pressure: 2-5 psi

DCV115 (-001) Radiation-Stable Polycarbonate

Double Check Valve, Tubing Pocket Chimney Port, Rotating Luer Lock Exit Port



Cracking Pressure: 2-5 psi

DCV Series: Double Check Valve, Female Luer Chimney Port

DCV118 (-001) Radiation-Stable Polycarbonate

Double Check Valve, Female Luer Chimney Port



Cracking Pressure: 2-5 psi

DCV125 (-001) Radiation-Stable Polycarbonate

Double Check Valve, Female Luer Chimney Port, Rotating Luer Lock Exit Port



Cracking Pressure: 2-5 psi

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

Resin Reference

- Pg 82 Chemical Resistance
- Pg 83 Regulatory Status
- Pg 84 Sterilization Stability
- Pg 85 Typical Properties

BIOPROCESS

FITTINGS

PharmaLok™ Clamps
PG-19



Bag Ports
PG-20



Mini Flange Fittings 3/4"
PG-22



Maxi Flange Fittings 1-1/2"
PG-23



Mini Flange Accessories 3/4"
PG-24



Maxi Flange Accessories 1-1/2"
PG-24



PHARMALOK™ Series

Value Plastics' new sanitary fitting clamp was created with the end user in mind. Easily closed with one hand, the clamp's unique and innovative design is one-of-a-kind!

The biopharmaceutical industry has made a strong move towards single-use technology so Value Plastics has developed a ground-breaking design that simplifies the assembly process by making it effortless to securely attach the fittings to bag ports and filters. Complies with ASME BPE 2009 DT-10.4 Hygienic Clamp Ferrule: Design Criteria.

Features:

- ASME BPE 2009 DT-10.4 compliant
- Multiple colors for color coding applications
- Connects both plastic and stainless steel fittings
- Zip tie compatible
- Easy to use, one-handed closure (no tools needed)
- 360° compression
- Tamper evident
- SIP/CIP compatible

Specifications:

Material: USP Class VI & ISO 11137 Certified glass-filled nylon

Sterilization: Gamma Radiation up to 50 kGy,
Autoclavable up to 273°F (134° C) for a max of 30 min.

Size: .75" & 1.5", for use with "Mini" & "Maxi" flange sanitary fittings

Operating Temperature: -94° (-70° C) to 140° (60° C)

Maximum Pressure: 80 psi

PHARMALOK SERIES:
Maxi and Mini Sanitary Fitting Clamps

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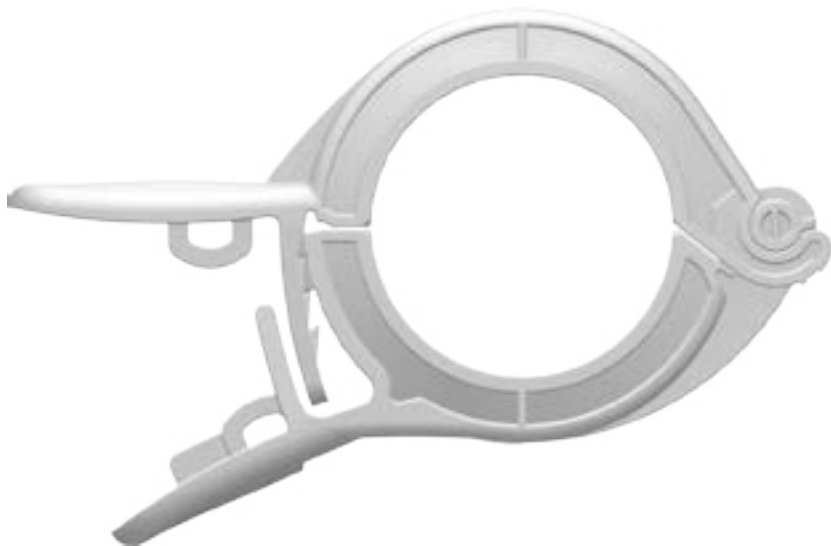
Material Reference

CPX150 (-U71)

Single-Use Sanitary Fitting Clamp for "Maxi" Flange, TC Version 1" to 1.5"

CPN75 (-U71)

Single-Use Sanitary Fitting Clamp for "Mini" Flange, TC Version .5" to .75"



CPX150 (-U75)

Single-Use Sanitary Fitting Clamp for "Maxi" Flange, TC Version 1" to 1.5"

CPN75 (-U75)

Single-Use Sanitary Fitting Clamp for "Mini" Flange, TC Version .5" to .75"



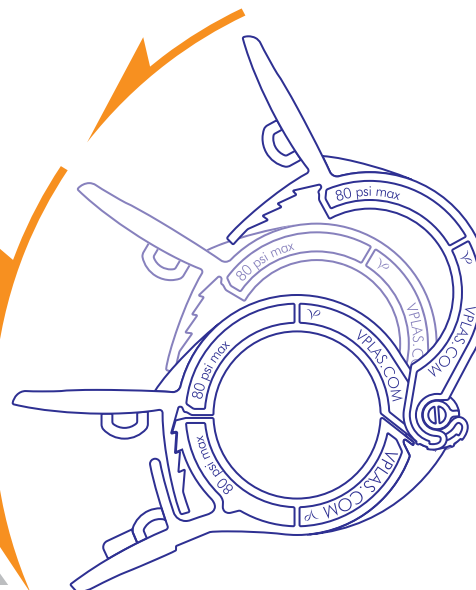
BIOPROCESS FITTINGS

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
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- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

Need more details?

Check out the PharmaLok Datasheets at www.valueplastics.com or contact Sales at sales@valueplastics.com

1. 2. 3. Done!



Resin Reference

- Pg 82** Chemical Resistance
- Pg 83** Regulatory Status
- Pg 84** Sterilization Stability
- Pg 85** Typical Properties

SFBP630 (-VP1) Value Pharma™ Resin
Bag Port with 600 Series Barb, 1/8" (3.2 mm) Tubing ID



SFBP655 (-VP1) Value Pharma™ Resin
Bag Port with 600 Series Barb, 1/4" (6.4 mm) Tubing ID



SFBP670 (-VP1) Value Pharma™ Resin
Bag Port with 600 Series Barb, 3/8" (9.5 mm) Tubing ID



BAG PORTS

Value Plastics' new high tech series of bag ports offers a variety of benefits new to the biopharmaceutical industry through a combination of Value Pharma™ resin and a unique design. Value Pharma™ resin holds credentials that many manufacturers deem fundamental, such as animal derivative free qualification, USP Class VI certification, and the guarantee of heat sealing and conformance with polyethylene bags. The resin then goes even further to provide a strong, 24-hour resistance to alcohol stress cracking.

Their unique design sets these new ports apart from existing solutions. They not only conform with frequently utilized tubing sizes from 1/8" (3.2 mm) to 1" (25.4 mm), but they are also designed to ASME and BPE ferrule specifications, allowing them to work with leading industry fittings, filters and other devices. However, the most notable of the bag ports' specifications are those that are new to the industry – the parabolic lead and the alignment ribs. These two features, respectively, reduce the amount of time it takes to drain a bag by 24 percent and improve flow dynamics through the port.

Compliant to ASME BPE ferrule specification

- Works with leading industry single-use bags

Barb sizes consist of range from 1/8" (3.2 mm) to 1" (25.4 mm) and ferrule TC style

- Works with the frequently utilized tubing sizes found in the pharmaceutical industry

Parabolic lead

- Reduces the time it takes to drain a bag by 18 to 24%
- Similar results for both fluid and powder applications

Alignment ribs

- Improves fluid dynamics of flow through the port

Value Pharma™ resin

- Ensures heat sealing with polyethylene bags
- Includes a USP Class VI certification
- Animal Derivative Free
- Resistant to alcohol stress cracking

BIOPROCESS FITTINGS

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

Resin Reference

- Pg 82 Chemical Resistance
- Pg 83 Regulatory Status
- Pg 84 Sterilization Stability
- Pg 85 Typical Properties

Need more details?

Check out all of our Bag Ports at www.bagports.com or contact Sales at bagports@valueplastics.com

BAG PORTS: 600 Series Barb Style

SFBP680 (-VP1) Value Pharma™ Resin
Bag Port with 600 Series Barb, 1/2" (12.7 mm) Tubing ID



SFBP6100 (-VP1) Value Pharma™ Resin
Bag Port with 600 Series Barb, 3/4" (19.0 mm) Tubing ID



SFBP6110 (-VP1) Value Pharma™ Resin
Bag Port with 600 Series Barb, 1" (25.4 mm) Tubing ID



BAG PORTS: Ferrule Fitting to 1-1/2" TC Connection

SFBPF1 (-VP1) Value Pharma™ Resin
Bag Port with Ferrule Fitting to 1-1/2" TC Connection



Innovative parabolic lead &
alignment ribs



Need it fast?

You can order any of our 4,000+ parts online now with
no order \$ minimums, 24 hours a day, 7 days a week!

www.valueplastics.com

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Material Reference

BIOPROCESS FITTINGS

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

Resin Reference

- Pg 82** Chemical Resistance
- Pg 83** Regulatory Status
- Pg 84** Sterilization Stability
- Pg 85** Typical Properties

SFMN655 (-6005 -J1A)

Sanitary Fitting, Mini Flange 3/4" to 600 Series Barb, 1/4" (6.4 mm) Tubing ID



SFMN670 (-6005 -J1A)

Sanitary Fitting, Mini Flange 3/4" to 600 Series Barb, 3/8" (9.5 mm) Tubing ID



SFMN680 (-6005 -J1A)

Sanitary Fitting, Mini Flange 3/4" to 600 Series Barb, 1/2" (12.7 mm) Tubing ID



SFMN6100 (-6005 -J1A)

Sanitary Fitting, Mini Flange 3/4" to 600 Series Barb, 3/4" (19.0 mm) Tubing ID



SFMNC (-6005 -J1A)

Sanitary Fitting Mini Cap 3/4"



SF Series

The **SF Series** sanitary fittings are based on design concepts calling for a heavy-duty part with superior side load strength, while providing superior flow-through characteristics, making them the connectors of choice for single-use bioprocesses. Pharmaceutical professionals find these plastic fittings offer all the benefits of disposable parts while offering performance capabilities not found in earlier versions of flanged fittings.

BIOPROCESS FITTINGS

Features & Benefits

- **Animal-free materials:** No BSE documentation required
- **Radiused flow surfaces:** Smooth uninterrupted flow
- **“Mini” & “Maxi” sizes:** Easy to retrofit current operations, works with commercially available biopharm clamps
- **No Particulate build-up:** Interior surface controlled to 15 Ra microinch

Specifications

Materials: Animal-Free Polypropylene, Natural PVDF

Tubing Sizes: 1/4", 3/8", 1/2", 3/4", 1"

Leak Resistance: Tested at 80 psi air under water for 90 seconds with no leaks

Tubing Removal Force:

- 1/4" PP with C-Flex® shore A tubing: 21 lbs.
- 1/2" PP with C-Flex® shore A tubing: 89 lbs.
- 1" PP with C-Flex® shore A tubing: 121 lbs.

Interior Surface Finish: 15 Ra Microinch

Did you know?

You can find large bore 3/8" to 1" Tube-To-Tube fittings for your BioProcess needs starting on **Pg-44**.

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

Resin Reference

- Pg 82** Chemical Resistance
- Pg 83** Regulatory Status
- Pg 84** Sterilization Stability
- Pg 85** Typical Properties

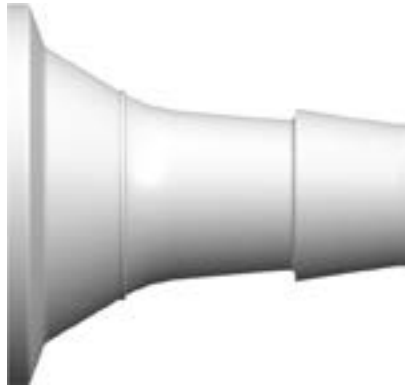
SFMX655 (-6005 -J1A)

Sanitary Fitting, Maxi Flange 1-1/2" to 600 Series Barb, 1/4" (6.4 mm) Tubing ID



SFMX6100 (-6005 -J1A)

Sanitary Fitting, Maxi Flange 1-1/2" to 600 Series Barb, 3/4" (19.0 mm) Tubing ID



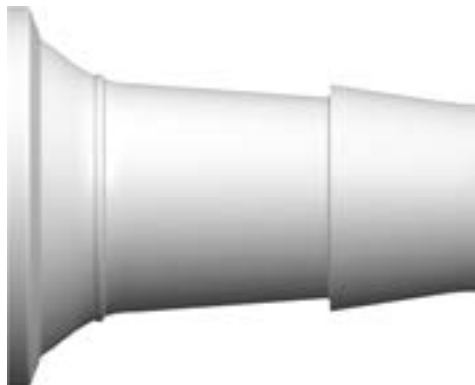
SFMX670 (-6005 -J1A)

Sanitary Fitting, Maxi Flange 1-1/2" to 600 Series Barb, 3/8" (9.5 mm) Tubing ID



SFMX6110 (-6005 -J1A)

Sanitary Fitting, Maxi Flange 1-1/2" to 600 Series Barb, 1.0" (25.4 mm) Tubing ID



SFMX680 (-6005 -J1A)

Sanitary Fitting, Maxi Flange 1-1/2" to 600 Series Barb, 1/2" (12.7 mm) Tubing ID



SFMXC (-6005 -J1A)

Sanitary Fitting Maxi Cap 1-1/2"



BIOPROCESS FITTINGS

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

Need samples for evaluation?

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+1 (970) 267-5200 Toll Free: (888) 404-5837

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www.valueplastics.com

Resin Reference

- Pg 82** Chemical Resistance
- Pg 83** Regulatory Status
- Pg 84** Sterilization Stability
- Pg 85** Typical Properties

GMN450 (-PX)
Molded Gasket for Mini Flange SFMN Series Fittings



G42MPGR-TF075 (-E)
Molded Tuf-Flex® Gasket for Mini Flange SFMN Series Fittings



VBV0500NW (Glass Reinforced White Nylon)
Pinch Valve Mini, 1/4" (6.4 mm) to 1/2" (12.7 mm) Tubing OD



VNG075WHT (Glass Reinforced White Nylon)
Clamp, Mini Flange, 1/2" (12.7 mm) to 3/4" (19.0 mm)



GMX455 (-PX)
Molded Gasket for Maxi Flange SFMX Series Fittings



G40MPGR-TF150 (-E)
Molded Tuf-Flex® Gasket for Maxi Flange SFMX Series Fittings



BIOPROCESS FITTINGS

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

Part Drawings Online!

Value Plastics provides dimensional drawings available for download for all of its fittings.
www.valueplastics.com

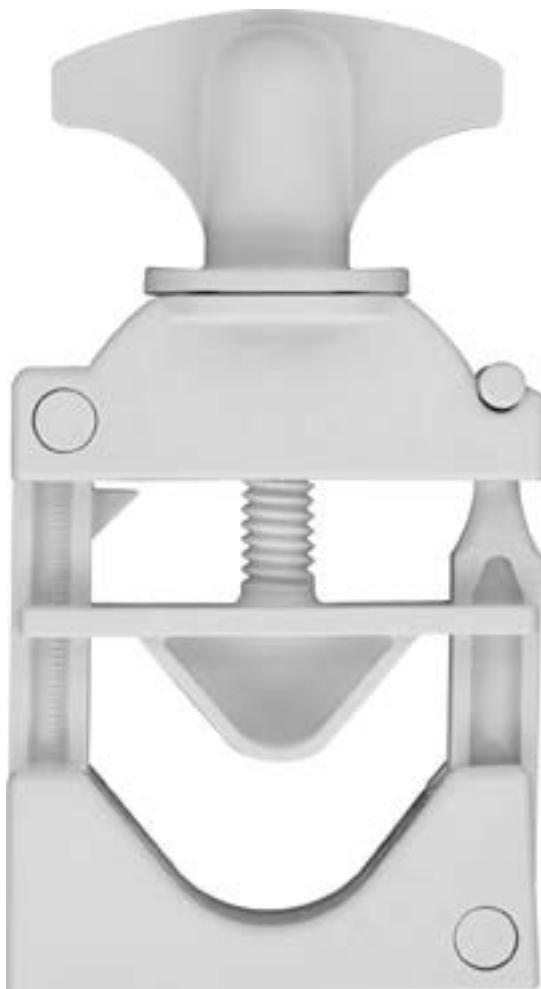
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www.valueplastics.com

Resin Reference

- Pg 82 Chemical Resistance
- Pg 83 Regulatory Status
- Pg 84 Sterilization Stability
- Pg 85 Typical Properties

VBV1000NW (Glass Reinforced White Nylon)
Pinch Valve, Maxi, 1/2" (12.7 mm) to 1" (25.4 mm)



VNG150WHT (Glass Reinforced White Nylon)
Clamp, Maxi Flange, 1" (25.4 mm) to 1.5" (38.1 mm)



VNG300WHT (Glass Reinforced White Nylon)
Clamp, Maxi Flange, 3" (76.2 mm)



BIOPROCESS FITTINGS

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

Resin Reference

- Pg 82** Chemical Resistance
- Pg 83** Regulatory Status
- Pg 84** Sterilization Stability
- Pg 85** Typical Properties

LUER CONNECTORS



Male Luers
PG-27



Female Luers
PG-29



Adapters
PG-31



Couplers
PG-31



Tees
PG-31



Elbows
PG-31



Plugs and Caps
PG-32



Luer to Thread
PG-33



Panel Mounts and Accessories
PG-35



Custom Luer Fittings
PG-10



Our Luer Tapers

Value Plastics' luer tapers are made to the ISO 594-1 and ISO 594-2 standards, and may be connected to other luers meeting these ISO standards. Please test your application to verify the performance of the interconnection.

Value Plastics' luer fittings come in over 100 configurations and several materials for the device designer, joining tubing from 1/16" (1.6 mm) ID to 1/4" (6.4 mm) ID.

Published ISO Design Standard

- Well understood worldwide
- Often assures interconnections without need to retrofit

Rotating Lock Permits Tube Positioning Prior To Tightening

- Minimizes twisting and kinking of tubing

Tapered Cone Seal

- Reliable
- Inexpensive
- Uncomplicated

Available In Many Materials

- Facilitates optimal material selection for your application

Inexpensive

- Facilitates single-use

Easy To Understand

- Ease of use in field

Many Configuration Options

- Adaptable to wide range of applications

Security Options (Fixed Lock, Rotating Lock, No Lock)

- Tailorable to your specific application

MALE LUER: Integral Lock Ring

MTLL004 (-1 -2 -3 -4 -5 -06 -6005 -07 -9 -9002)

Male Luer Integral Lock Ring to 500 Series Barb, 1/16" (1.6 mm) ID Tubing



MTLL210 (-1 -2 -3 -4 -5 -06 -6005 -07 -9 -9002 -J1A)

Male Luer Integral Lock Ring to 200 Series Barb, 1/16" (1.6 mm) ID Tubing



MTLL410 (-1 -6005 -9 -9002 -J1A)

Male Luer Integral Lock Ring to 400 Series Barb, 1/16" (1.6 mm) ID Tubing



MTLL007 (-1 -2 -3 -4 -5 -6005 -06 -07 -9 -9002)

Male Luer Integral Lock Ring to 500 Series Barb, 3/32" (2.4 mm) ID Tubing



MTLL220 (-1 -2 -3 -4 -5 -06 -6005 -07 -9 -9002 -J1A)

Male Luer Integral Lock Ring to 200 Series Barb, 3/32" (2.4 mm) ID Tubing



MTLL420 (-1 -6005 -9 -9002 -J1A)

Male Luer Integral Lock Ring to 400 Series Barb, 3/32" (2.4 mm) ID Tubing



MTLL013 (-1 -2 -3 -4 -5 -06 -6005 -07 -9 -9002)

Male Luer Integral Lock Ring to 500 Series Barb, 1/8" (3.2 mm) ID Tubing



MTLL230 (-1 -2 -3 -4 -5 -06 -6005 -07 -9 -9002 -J1A)

Male Luer Integral Lock Ring to 200 Series Barb, 1/8" (3.2 mm) ID Tubing



MTLL430 (-1 -3 -6005 -9 -9002 -J1A)

Male Luer Integral Lock Ring to 400 Series Barb, 1/8" (3.2 mm) ID Tubing



MTLL025 (-1 -2 -3 -4 -5 -6005 -06 -07 -9 -9002)

Male Luer Integral Lock Ring to 500 Series Barb, 5/32" (4.0 mm) ID Tubing



MTLL240 (-1 -2 -3 -4 -5 -6005 -06 -07 -9 -9002 -J1A)

Male Luer Integral Lock Ring to 200 Series Barb, 5/32" (4.0 mm) ID Tubing



MTLL445 (-1 -6005 -9 -9002 -J1A)

Male Luer Integral Lock Ring to 400 Series Barb, .170" (4.3 mm) ID Tubing



MTLL035 (-1 -2 -3 -4 -5 -06 -6005 -07 -9 -9002)

Male Luer Integral Lock Ring to 500 Series Barb, 3/16" (4.8 mm) ID Tubing



MTLL250 (-1 -2 -3 -4 -5 -06 -6005 -07 -8003 -9 -9002 -J1A)

Male Luer Integral Lock Ring to 200 Series Barb, 3/16" (4.8 mm) ID Tubing



MTLL450 (-1 -6005 -9 -9002 -J1A)

Male Luer Integral Lock Ring to 400 Series Barb, 3/16" (4.8 mm) ID Tubing



MTLL055 (-1 -2 -3 -4 -06 -6005 -07 -9 -9002)

Male Luer Integral Lock Ring to 500 Series Barb, 1/4" (6.4 mm) ID Tubing



MTLL360 (-1 -2 -6005 -9 -9002 -J1A)

Male Luer Integral Lock Ring to 300 Series Barb, 1/4" (6.4 mm) ID Tubing



27

Material Reference

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

LUER
FITTINGS

Part Drawings Online!

Value Plastics provides dimensional drawings available for download for all of its fittings.

www.valueplastics.com

Resin Reference

- Pg 82 Chemical Resistance
- Pg 83 Regulatory Status
- Pg 84 Sterilization Stability
- Pg 85 Typical Properties

MALE LUER: Slip, or for use with Lock Ring

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

LUER FITTINGS

FLLR (-1 -2 -3 -4 -5 -06 -6005 -07 -9 -9002)
Finger Snap Luer Lock Ring



MLRL004 (-1 -6005 -9)
Male Luer to 500 Series Barb, 1/16" (1.6 mm) ID Tubing (May be used with separate rotating lock ring; FSLLR)



MLRL007 (-1 -6005 -9)
Male Luer to 500 Series Barb, 3/32" (2.4 mm) ID Tubing (May be used with separate rotating lock ring; FSLLR)



MLRL013 (-1 -6005 -9)
Male Luer to 500 Series Barb, 1/8" (3.2 mm) ID Tubing (May be used with separate rotating lock ring; FSLLR)



MLRL025 (-1 -6005 -9)
Male Luer to 500 Series Barb, 5/32" (4.0 mm) ID Tubing (May be used with separate rotating lock ring; FSLLR)



MLRL035 (-1 -6005 -9 -9002)
Male Luer to 500 Series Barb, 3/16" (4.8 mm) ID Tubing (May be used with separate rotating lock ring; FSLLR)



MLRL055 (-1 -6005 -9)
Male Luer to 500 Series Barb, 1/4" (6.4 mm) ID Tubing (May be used with separate rotating lock ring; FSLLR)



MLSL004 (-1 -6005 -9)
Male Luer to 500 Series Barb, 1/16" (1.6 mm) ID Tubing (May be used with separate stationary lock ring; FSLLR)



MLSL007 (-1 -6005 -9)
Male Luer to 500 Series Barb, 3/32" (2.4 mm) ID Tubing (May be used with separate stationary lock ring; FSLLR)



MLSL013 (-1 -6005 -9)
Male Luer to 500 Series Barb, 1/8" (3.2 mm) ID Tubing (May be used with separate stationary lock ring; FSLLR)



MLSL025 (-1 -6005 -9)
Male Luer to 500 Series Barb, 5/32" (4.0 mm) ID Tubing (May be used with separate stationary lock ring; FSLLR)



MLSL035 (-1 -6005 -9)
Male Luer to 500 Series Barb, 3/16" (4.8 mm) ID Tubing (May be used with separate stationary lock ring; FSLLR)



MLSL055 (-1 -6005 -9)
Male Luer to 500 Series Barb, 1/4" (6.4 mm) ID Tubing (May be used with separate stationary lock ring; FSLLR)



It's a lock with Value Plastics!

Our MLRL and MLSL Series of fittings can be used both as a slip luer or as a locking luer with the addition of our FSLLR luer lock ring, which allows color coding without flow path contact. Our MLSL/FSLLR combination results in a stationary lock ring. Use a combination of MLRL and FSLLR to create a color coded rotating lock ring.

The MLRL allows FSLLR/lock ring rotation

The MLSL has flanges which lock into the FSLLR, preventing rotation

Used together, you can create a color coded male luer with lock ring

Resin Reference

- Pg 82** Chemical Resistance
- Pg 83** Regulatory Status
- Pg 84** Sterilization Stability
- Pg 85** Typical Properties

MALE LUER: Slip

MTLS210 (-1 -6005 -9 -J1A)

Male Luer Slip to 200 Series Barb, 1/16" (1.6 mm) ID Tubing



MSL004 (-1 -6005 -9 -9002)

Male Luer Slip to 500 Series Barb, 1/16" (1.6 mm) ID Tubing



MTLS220 (-1 -3 -5 -6005 -81 -9 -J1A)

Male Luer Slip to 200 Series Barb, 3/32" (2.4 mm) ID Tubing



MSL007 (-1 -6005 -9 -9002)

Male Luer Slip to 500 Series Barb, 3/32" (2.4 mm) ID Tubing



MTLS230 (-1 -3 -5 -6005 -81 -9 -9002 -J1A)

Male Luer Slip to 200 Series Barb, 1/8" (3.2 mm) ID Tubing



MSL013 (-1 -6005 -9 -9002)

Male Luer Slip to 500 Series Barb, 1/8" (3.2 mm) ID Tubing



MTLS240 (-1 -2 -5 -6005 -81 -9 -J1A)

Male Luer Slip to 200 Series Barb, 5/32" (4.0 mm) ID Tubing



MSL025 (-1 -6005 -9 -9002)

Male Luer Slip to 500 Series Barb, 5/32" (4.0 mm) ID Tubing



MSL035 (-1 -6005 -9 -9002 -J1A)

Male Luer Slip to 500 Series Barb, 3/16" (4.8 mm) ID Tubing



MSL055 (-1 -6005 -9 -9002)

Male Luer Slip to 500 Series Barb, 1/4" (6.4 mm) ID Tubing



FEMALE LUER: Thread Style

FTLL004 (-1 -2 -3 -4 -5 -06 -6005 -07 -9 -9002 -J1A)

Female Luer Thread Style to 500 Series Barb, 1/16" (1.6 mm) ID Tubing



FTLL210 (-1 -2 -3 -4 -5 -6005 -9 -9002 -J1A)

Female Luer Thread Style to 200 Series Barb, 1/16" (1.6 mm) ID Tubing



FTLL410 (-1 -6005 -9 -9002 -J1A)

Female Luer Thread Style to 400 Series Barb, 1/16" (1.6 mm) ID Tubing



FTLL007 (-1 -2 -3 -4 -5 -06 -6005 -07 -9 -9002)

Female Luer Thread Style to 500 Series Barb, 3/32" (2.4 mm) ID Tubing



FTLL220 (-1 -2 -3 -5 -6005 -9 -9002 -J1A)

Female Luer Thread Style to 200 Series Barb, 3/32" (2.4 mm) ID Tubing



FTLL420 (-1 -6005 -9 -9002 -J1A)

Female Luer Thread Style to 400 Series Barb, 3/32" (2.4 mm) ID Tubing



FTLL013 (-1 -2 -3 -4 -5 -06 -6005 -07 -9 -9002)

Female Luer Thread Style to 500 Series Barb, 1/8" (3.2 mm) ID Tubing



FTLL230 (-1 -2 -3 -5 -6005 -9 -9002 -J1A)

Female Luer Thread Style to 200 Series Barb, 1/8" (3.2 mm) ID Tubing



FTLL430 (-1 -6005 -9 -9002 -J1A)

Female Luer Thread Style to 400 Series Barb, 1/8" (3.2 mm) ID Tubing



29

Material Reference

-001 (various, see part description)

-06 Orange Nylon

-07 Yellow Nylon

-0 Natural Nylon

-1 White Nylon

-2 Black Nylon

-3 Red Nylon

-4 Green Nylon

-5 Blue Nylon

-7 Glass Filled Natural Nylon

-8 Gray Nylon

-8B Gray Nylon

-9 Clear Polycarbonate

-10 Acetal

-40 Polysulfone

-81 Lace White ABS

-91 White Polycarbonate

-1006 Natural Acetal

-1007 Black Acetal

-6005 Animal-Free Polypropylene

-6006 White Polypropylene

-8003 Natural ABS

-8012 White ABS

-9002 Rad. Stable Polycarbonate

-9010 Rad. Stable Polycarbonate

-B Buna-N O-ring

-CM030 Dark Blue Nylon

-E PTEE/EPDM

-EP EPDM O-ring

-J1A Natural Kynar PVDF

-J1A2 Black Kynar PVDF

-PX Platinum-Cured Silicone

-U71 White Class VI Glass Filled Nylon

-U75 Blue Class VI Glass Filled Nylon

-VP1 Animal-free Polyethylene

-X2 Buna-N Rubber

-XO Stainless Steel

LUER
FITTINGS

Resin Reference

Pg 82 Chemical Resistance

Pg 83 Regulatory Status

Pg 84 Sterilization Stability

Pg 85 Typical Properties

FEMALE LUER: Thread Style

FTLL025 (-1 -2 -3 -4 -5 -06 -6005 -07 -9 -9002)
Female Luer Thread Style to 500 Series Barb, 5/32" (4.0 mm) ID Tubing



FTLL240 (-1 -2 -3 -5 -6005 -9 -9002 -J1A)
Female Luer Thread Style to 200 Series Barb, 5/32" (4.0 mm) ID Tubing



FTLL445 (-1 -6005 -9 -9002 -J1A)
Female Luer Thread Style to 400 Series Barb, .170" (4.3 mm) ID Tubing



FTLL035 (-1 -2 -3 -4 -5 -06 -6005 -07 -9 -9002 -J1A)
Female Luer Thread Style to 500 Series Barb, 3/16" (4.8 mm) ID Tubing



FTLL250 (-1 -3 -5 -6005 -9 -9002 -J1A)
Female Luer Thread Style to 200 Series Barb, 3/16" (4.8 mm) ID Tubing



FTLL450 (-1 -6005 -9 -9002 -J1A)
Female Luer Thread Style to 400 Series Barb, 3/16" (4.8 mm) ID Tubing



FTLL055 (-1 -2 -3 -4 -5 -06 -6005 -07 -9 -9002)
Female Luer Thread Style to 500 Series Barb, 1/4" (6.4 mm) ID Tubing



FTLL360 (-1 -3 -5 -6005 -9 -9002 -J1A)
Female Luer Thread Style to 300 Series Barb, 1/4" (6.4 mm) ID Tubing



FEMALE LUER: Smooth Bore Thread Style

FTLLSB004 (-1 -6005 -9)
Female Luer Thread Style Smooth Bore to 500 Series Barb, 1/16" (1.6 mm) ID Tubing



FTLLSB007 (-1 -4 -6005 -9)
Female Luer Thread Style Smooth Bore to 500 Series Barb, 3/32" (2.4 mm) ID Tubing



FTLLSB013 (-1 -6005 -9)
Female Luer Thread Style Smooth Bore to 500 Series Barb, 1/8" (3.2 mm) ID Tubing



Why choose a smooth bore?

Our Smooth Bore Luers have a smooth inner transition providing for easy insertion of guide wires, probes and other devices.

FEMALE LUER: Lug Style

FTL10 (-1 -6005 -9 -J1A)
Female Luer Lug Style to Classic Series Barb, 1/16" (1.6 mm) ID Tubing



FTL210 (-1 -6005 -9 -J1A)
Female Luer Lug Style to 200 Series Barb, 1/16" (1.6 mm) ID Tubing



FTL20 (-1 -6005 -07 -81 -9 -J1A)
Female Luer Lug Style to Classic Series Barb, 3/32" (2.4 mm) ID Tubing



FTL220 (-1 -3 -5 -6005 -9 -J1A)
Female Luer Lug Style to 200 Series Barb, 3/32" (2.4 mm) ID Tubing



FTL30 (-1 -6005 -9 -J1A)
Female Luer Lug Style to Classic Series Barb, 1/8" (3.2 mm) ID Tubing



LUER
FITTINGS

Resin Reference

- Pg 82** Chemical Resistance
- Pg 83** Regulatory Status
- Pg 84** Sterilization Stability
- Pg 85** Typical Properties

FEMALE LUER: Lug Style

FTL230 (-1 -3 -5 -6005 -9 -J1A)

Female Luer Lug Style to 200 Series Barb, 1/8" (3.2 mm) ID Tubing



FTL240 (-1 -6005 -9 -J1A)

Female Luer Lug Style to 200 Series Barb, 5/32" (4.0 mm) ID Tubing



LUER:

Adapters, Couplers, and Lock Rings

FSLLR (-1 -2 -3 -4 -5 -06 -6005 -07 -9 -9002)

Finger Snap Luer Lock Ring



MLRLC (-1 -6005 -9)

Male Luer Coupler (May be used with separate rotating lock rings; FSLLR)



MTLCS (-1 -6005 -9 -J1A)

Male Luer Slip Coupler



FTLLC (-1 -6005 -9 -9002 -J1A)

Female Luer Thread Style Coupler



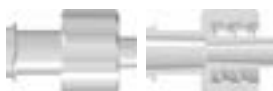
FTLC (-1 -6005 -9 -9002 -J1A)

Female Luer Lug Style Coupler



LC34 (-1 -6005 -9 -9002 -J1A)

Male Luer Integral Lock Ring to Female Luer Thread Style Coupler



LC78 (-1 -6005 -9 -9002 -J1A)

Male Luer to Female Luer Thread Style Coupler (May be used with separate rotating lock ring; FSLLR)



LT878 (-1 -6005 -9 -9002)

Female Luer Thread Style (2) to Male Luer Tee (May be used with separate rotating lock ring; FSLLR)



LT787 (-1 -6005 -8012 -9 -9002)

Male Luer (2) to Female Luer Thread Style Tee (May be used with separate rotating lock ring; FSLLR)



FTLT (-1 -6005 -9 -J1A)

Female Luer Lug Style Tee



FTLLE (-1 -6005 -9 -J1A)

Female Luer Thread Style Elbow



FTLE (-1 -6005 -9 -J1A)

Female Luer Lug Style Elbow



LE87 (-1 -6005 -8003 -9 -9002)

Male Luer to Female Luer Thread Style Elbow (May be used with separate rotating lock ring; FSLLR)



LE7220 (-1 -2 -9)

Male Luer to 200 Series Barb Elbow, 3/32" (2.4 mm) ID Tubing (May be used with separate rotating lock ring; FSLLR)



- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

Resin Reference

- Pg 82 Chemical Resistance
- Pg 83 Regulatory Status
- Pg 84 Sterilization Stability
- Pg 85 Typical Properties

LE7230 (-1 -2 -6005 -9 -9010)
Male Luer to 200 Series Barb Elbow 1/8" (3.2 mm) ID Tubing (May be used with separate rotating lock ring; FSLLR)



CA091 (-001) Gamma Stable Polycarbonate
Male Luer Elbow to 3/16" Classic Series Barb, (CF361-9002) with Rotating Lock Ring (FSLLR-9002)



LUER
FITTINGS

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

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www.valueplastics.com

MTLLP (-1 -2 -3 -6005 -07 -9 -J1A)
Male Luer Integral Lock Ring Plug, Closed at Luer Tip



LP4 (-1 -2 -3 -4 -5 -6005 -9 -9002 -J1A)
Male Luer Integral Lock Ring Plug, Closed at Grip



VLP4 (-1 -3 -6005 -81 -J1A)
Male Luer Integral Lock Ring Vented Plug, Closed at Grip



MLRLP (-1 -6005 -9)
Male Luer Plug (May be used with separate rotating lock ring; FSLLR)



MLSPL (-1 -6005 -9)
Male Luer Plug (May be used with separate stationary lock ring; FSLLR)



MTLP (-1 -6005 -9 -J1A)
Male Luer Plug, Closed at Tether Loop (May be used with separate stationary lock ring; MLLR)



MTLSP (-1 -6005 -81 -9 -J1A)
Male Luer Slip Plug, Closed at Grip



FTLP (-1 -6005 -9 -J1A)
Female Luer Lug Style Cap with Tether Loop



FTLLP (-1 -2 -3 -5 -6005 -07 -81 -9 -9002 -J1A)
Female Luer Thread Style Cap



LP34 (-1 -3 -5 -6005 -9 -9002 -J1A)
Male Luer Integral Lock Ring to Female Luer Thread Style Plug



- Pg 82** Chemical Resistance
- Pg 83** Regulatory Status
- Pg 84** Sterilization Stability
- Pg 85** Typical Properties

LUER TO THREAD:

Male

ABSML-6005 UNDER (-1 -2 -3 -4 -5 -06 -07)

Male Luer with Rotating Lock Ring and 5/16" Hex to 1/4-28 UNF Bottom Sealing Thread



ABSML-J1A UNDER (-1 -2 -3 -4 -5 -06 -07)

Male Luer with Rotating Lock Ring and 5/16" Hex to 1/4-28 UNF Bottom Sealing Thread



XMTLL (-1 -6005 -9 -J1A)

Male Luer Integral Lock Ring to 10-32 Special Tapered Thread



SMTLL (-1 -6005 -9 -J1A)

Male Luer Integral Lock Ring to 1/4-28 UNF Thread



18MTLL (-1 -2 -6005 -J1A)

Male Luer Integral Lock Ring with 7/16" Hex to 1/8-27 NPT Thread



14MTLL (-1 -2 -6005)

Male Luer Integral Lock Ring with 9/16" Hex to 1/4-18 NPT Thread



XMLRL (-1 -6005 -9 -9002)

Male Luer with 1/4" Hex to 10-32 Special Tapered Thread (May be used with separate rotating lock ring; FSLLR)



SMLRL (-1 -6005 -9 -J1A)

Male Luer with 5/16" Hex to 1/4-28 UNF Thread (May be used with separate rotating lock ring; FSLLR)



BSMLRL (-6005 -J1A)

Male Luer with 5/16" Hex to 1/4-28 Bottom-Sealing Thread (May be used with separate rotating lock ring; FSLLR)



33

Material Reference

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

LUER FITTINGS

Looking for Something Different?

Most of our best product ideas have come from you, our customers. While we pride ourselves on our extensive product offering, we recognize that your needs are ever-changing and that our products, too, must adapt to your needs.

If there's a new product you think Value Plastics should make, drop an email to designcenter@valueplastics.com describing your product concept in as much detail as you desire. We will contact you with any questions, and who knows - the next catalog edition could include products YOU told us to build.

See [page 8](#) for more information on the Design Center!



Part Drawings Online!

Value Plastics provides dimensional drawings available for download for all of its fittings.

www.valueplastics.com

Resin Reference

- Pg 82 Chemical Resistance
- Pg 83 Regulatory Status
- Pg 84 Sterilization Stability
- Pg 85 Typical Properties

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

LUER FITTINGS

XFTLL (-1 -6005 -9 -J1A)
Female Luer Thread Style with 1/4" Hex to 10-32 Special Tapered Thread



KFTLL (-1 -6005 -9 -J1A)
Female Luer Thread Style with 1/4" Hex to 10-32 UNF Thread



SFTLL (-1 -2 -4 -06 -6005 -9 -J1A)
Female Luer Thread Style with 5/16" Hex to 1/4-28 UNF Thread



BSFTLL (-1 -6005 -J1A)
Female Luer Thread Style with 5/16" Hex to 1/4-28 UNF Bottom Sealing Thread



XFTL (-1 -6005 -9 -J1A)
Female Luer Lug Style with 1/4" Hex to 10-32 Special Tapered Thread



KFTL (-1 -6005 -9 -J1A)
Female Luer Lug Style with 1/4" Hex to 10-32 UNF Thread



SFTL (-1 -6005 -9)
Female Luer Lug Style with 5/16" Hex to 1/4-28 UNF Thread



18FTLL (-1 -6005 -J1A)
Female Luer Thread Style with 7/16" Hex to 1/8-27 NPT Thread



18LFTLL (-1 -4 -5 -6005 -J1A)
Female Luer Thread Style Elbow with 7/16" Hex to 1/8-27 NPT Thread



FTLLB210 (-1 -2 -6005 -9 -J1A)
Female Luer Thread Style Panel Mount 1/4-28 UNF to 200 Series Barb, 1/16" (1.6 mm) ID Tubing



FTLLB220 (-1 -2 -6005 -9 -J1A)
Female Luer Thread Style Panel Mount 1/4-28 UNF to 200 Series Barb, 3/32" (2.4 mm) ID Tubing



FTLLB230 (-1 -2 -6005 -9 -J1A)
Female Luer Thread Style Panel Mount 1/4-28 UNF to 200 Series Barb, 1/8" (3.2 mm) ID Tubing



FTLLBMLRL (-1 -6005)
Female Luer Thread Style Panel Mount 1/4-28 UNF to Male Luer (May be used with separate rotating lock ring; FSLLR)



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You can order any of our 4,000+ parts online now with no order \$ minimums, 24 hours a day, 7 days a week!

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Resin Reference

- Pg 82** Chemical Resistance
- Pg 83** Regulatory Status
- Pg 84** Sterilization Stability
- Pg 85** Typical Properties

PANEL MOUNTS:

Female Lug Style and Male Luer

FTLB210 (-1 -6005 -9 -J1A)

Female Luer Lug Style Panel Mount 1/4-28 UNF to 200 Series Barb, 1/16" (1.6 mm) ID Tubing



FTLB220 (-1 -6005 -9 -J1A)

Female Luer Lug Style Panel Mount 1/4-28 UNF to 200 Series Barb, 3/32" (2.4 mm) ID Tubing



FTLB230 (-1 -6005 -9 -J1A)

Female Luer Lug Style Panel Mount 1/4-28 UNF to 200 Series Barb, 1/8" (3.2 mm) ID Tubing



MLRLB210 (-1 -6005)

Male Luer Panel Mount 10-32 UNF to 200 Series Barb, 1/16" (1.6 mm) ID Tubing, (May be used with separate rotating lock ring; FSLLR)



MLRLB220 (-1 -6005)

Male Luer Panel Mount 10-32 UNF to 200 Series Barb, 3/32" (2.4 mm) ID Tubing, (May be used with separate rotating lock ring; FSLLR)



MLRLB230 (-1 -6005)

Male Luer Panel Mount 1/4-28 UNF to 200 Series Barb, 1/8" (3.2 mm) ID Tubing, (May be used with separate rotating lock ring; FSLLR)



PANEL MOUNT ACCESSORIES:

Lock Nuts and Color Coding Rings

CCR (-1 -2 -3 -4 -5 -06 -07)

Color Coded Ring (For use with PMS, PMK, FTLLB or FTLB panel mount fittings)



CCLR (-1 -2 -3 -4 -5 -06 -07)

Color Coded Lock Ring (For use with PMS, PMK, FTLLB or FTLB panel mount fittings)



PMKN (-XO)

Panel Mount Nut 10-32 UNF with 3/8" Hex (For use with PMK panel mount fittings)



PMSN (-XO)

Panel Mount Nut 1/4-28 UNF with 7/16" Hex (For use with PMS, FTLB, and FTLLB panel mount fittings)



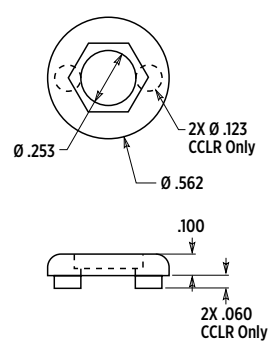
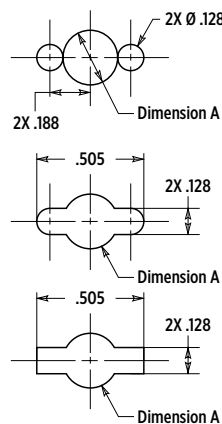
LNS (-1 -2 -3 -4 -5 -06 -07 -6005 -81 -J1A)

1/4-28 UNF Panel Mount Lock Nut (For use with PMS, FTLLB or FTLB panel mount fittings)



Select the correct lock nut for your panel mount:

PART	Dimension A	Use Lock Nut
FTLLB Series	.255"	PMSN or LNS
FTLB Series	.255"	PMSN or LNS
FTLLBMLRL	.255"	PMSN or LNS
MLRLB210	.193"	PMKN
MLRLB220	.193"	PMKN
MLRLB230	.255"	PMSN or LNS



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Material Reference

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

LUER FITTINGS

Resin Reference

- Pg 82 Chemical Resistance
- Pg 83 Regulatory Status
- Pg 84 Sterilization Stability
- Pg 85 Typical Properties

BLOOD PRESSURE

FITTINGS



BPL Series 1/4 Turn Cuff Connectors
PG-37



BPF Series Female Bayonet Style Quick Connects
PG-37



Bayonet Male Cuff Connectors
PG-38



Bayonet Panel Mount Connectors
PG-38



Dinamap® Monitor Adapters
PG-38



Dinamap® Cuff Connectors
PG-39



BPL Series

The BPL Series quick connect fittings offers superior ergonomics - a requirement for many designers in their effort to accommodate end users. The BPL's ease-of-use stems largely from a winged male fitting and Value Plastics' patented 10-point grip, making the quarter-turn connection simple and easy to accomplish. A solid snap, that can be both heard and felt, will then reassure the end user that a secure fit has been made.

Another unique characteristic of the BPL Series is the true tube stop on the rotating half of the two connectors. This allows tubing to be fully assembled onto the barb without its edge pushing against the body of the connector.

Ergonomic wing-grip design

- Easier to connect and disconnect than market similars
- 360° of tubing rotation

Quarter-turn design with closure feedback

- Positive reinforcement of secure connection

Sizes to fit 1/8" (3.2 mm) and 5/32" (4.0 mm) ID tubing

- Fits almost all cuffs
- 5/32" hose barb perfectly fits most common cuff tube size

200 Series single barbs

- Ease of assembly
- Enhanced resistance to tube pulloff

Medical grade ABS material (fluid path)

- Withstands bulk sterilization processes
- Holds up under demanding application conditions

Acetal (Wing-grip shroud)

- Added strength

BPL SERIES:
1/4 Turn Cuff Connectors

BPLF230 (-8012)

Quarter-turn Female Blood Pressure Cuff Connector to 200 Series Barb, 1/8" (3.2 mm) Tubing ID



BPLF240 (-8012)

Quarter-turn Female Blood Pressure Cuff Connector to 200 Series Barb, 5/32" (4.0 mm) Tubing ID



BPLM230 (-001) White ABS, White Acetal, Buna-N O-Ring

Quarter-turn Male Blood Pressure Cuff Connector to 200 Series Barb, 1/8" (3.2 mm) Tubing ID



BPLM240 (-001) White ABS, White Acetal, Buna-N O-Ring

Quarter-turn Male Blood Pressure Cuff Connector to 200 Series Barb, 5/32" (4.0 mm) Tubing ID



Part Drawings Online!

Value Plastics provides dimensional drawings available for download for all of its fittings.

www.valueplastics.com

BPF SERIES:
Female Bayonet Style Quick Connect

BPF220 (-001) Black ABS Housing

Bayonet-Style Female Quick Connect Fitting, 200 Series Barb, 3/32" (2.4 mm) ID Tubing



BPF230 (-001) Black ABS Housing

Bayonet-Style Female Quick Connect Fitting, 200 Series Barb, 1/8" (3.2 mm) ID Tubing



BPF240 (-001) Black ABS Housing

Bayonet-Style Female Quick Connect Fitting, 200 Series Barb, 5/32" (4.0 mm) ID Tubing



BPF250 (-001) Black ABS Housing

Bayonet-Style Female Quick Connect Fitting, 200 Series Barb, 3/16" (4.8 mm) ID Tubing



37

Material Reference

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

BLOOD PRESSURE

Resin Reference

- Pg 82 Chemical Resistance
- Pg 83 Regulatory Status
- Pg 84 Sterilization Stability
- Pg 85 Typical Properties

BLOOD PRESSURE: Bayonet Male Cuff Connectors

BPM013 (-1)
Blood Pressure Monitor Bayonet Connector to 500 Series Barb, 1/8" (3.2 mm) ID Tubing



works with...



BPM240 (-1)
Blood Pressure Monitor Bayonet Connector to 200 Series Barb, 5/32" (4.0 mm) ID Tubing



works with...



BPM025 (-1)
Blood Pressure Monitor Bayonet Connector to 500 Series Barb, 5/32" (4.0 mm) ID Tubing



works with...



BPM035 (-1)
Blood Pressure Monitor Bayonet Connector to 500 Series Barb, 3/16" (4.8 mm) ID Tubing



works with...



BPMMTLL (-1 -5)
Blood Pressure Monitor Bayonet Connector to Male Luer Integral Lock Ring



works with...



BLOOD PRESSURE: Bayonet Panel Mount Connectors

BPMB230 (-1)
Blood Pressure Monitor Bayonet Panel Mount Connector to 200 Series Barb, 1/4-28 UNF Thread, 1/8" (3.2 mm) ID Tubing



works with...



BPMB240 (-1)
Blood Pressure Monitor Bayonet Panel Mount Connector to 200 Series Barb, 5/16-24 UNF Thread, 5/32" (4.0 mm) ID Tubing



works with...



BPMB250 (-1)
Blood Pressure Monitor Bayonet Panel Mount Connector to 200 Series Barb, 3/8-24 UNF Thread, 3/16" (4.8 mm) ID Tubing



works with...



BLOOD PRESSURE: Panel Mount Nuts

PMSN (-XO)
Panel Mount Nut 1/4-28 UNF with 7/16" Hex (For use with BPMB230)



PM3N (-XO)
Panel Mount Nut 5/16-24 UNF Zinc-Plated Class 2 Steel Nut (For use with BPMB240)



PM2N (-XO)
Panel Mount Nut 3/8-24 UNF Zinc-Plated Class 2 Steel Nut (For Use with BPMB250)



BLOOD PRESSURE: Dinamap® Monitor Adapters

BPAM (-001) Black Nylon over White Nylon
Blood Pressure Monitor Bayonet Connector to Internal 5/16-24 UNF Thread and O-Ring



works with...



BPA013 (-001) Black Nylon over White Nylon
Blood Pressure Adapter with Internal 5/16-24 UNF Thread and O-Ring to 500 Series Barb, 1/8" (3.2 mm) ID Tubing



BPA025 (-001) Black Nylon over White Nylon
Blood Pressure Adapter with Internal 5/16-24 UNF Thread and O-Ring to 500 Series Barb, 5/32" (4.0 mm) ID Tubing



BPA035 (-001) Black Nylon over White Nylon
Blood Pressure Adapter with Internal 5/16-24 UNF Thread and O-Ring to 500 Series Barb, 3/16" (4.8 mm) ID Tubing



BPA055 (-001) Black Nylon over White Nylon
Blood Pressure Adapter with Internal 5/16-24 UNF Thread and O-Ring to 500 Series Barb, 1/4" (6.4 mm) ID Tubing



BLOOD PRESSURE

Resin Reference

- Pg 82 Chemical Resistance
- Pg 83 Regulatory Status
- Pg 84 Sterilization Stability
- Pg 85 Typical Properties

BPCL220 (-10 -81)

Blood Pressure Adapter with 5/16-24 UNF Thread and 6% Taper to 200 Series Barb, 3/32" (2.4 mm) ID Tubing



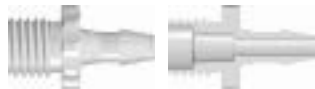
BPC220 (-10)

Blood Pressure Adapter with 5/16-24 UNF Thread to 200 Series Barb, 3/32" (2.4 mm) ID Tubing



BPCL230 (-10 -81)

Blood Pressure Adapter with 5/16-24 UNF Thread and 6% Internal Taper to 200 Series Barb, 1/8" (3.2 mm) ID Tubing



BPC230 (-10)

Blood Pressure Adapter with 5/16-24 UNF Thread to 200 Series Barb, 1/8" (3.2 mm) ID Tubing



BPCL025 (-10)

Blood Pressure Adapter with 5/16-24 UNF Thread 6% Internal Taper to 500 Series Barb, 5/32" (4.0 mm) ID Tubing



BPC025 (-10)

Blood Pressure Adapter with 5/16-24 UNF Thread to 500 Series Barb, 5/32" (4.0 mm) ID Tubing



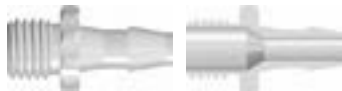
BPCL240 (-10 -81)

Blood Pressure Adapter with 5/16-24 UNF Thread and 6% Internal Taper to 200 Series Barb, 5/32" (4.0 mm) ID Tubing



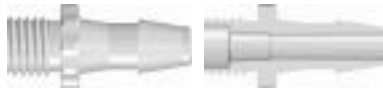
BPC240 (-10)

Blood Pressure Adapter with 5/16-24 UNF Thread to 200 Series Barb, 5/32" (4.0 mm) ID Tubing



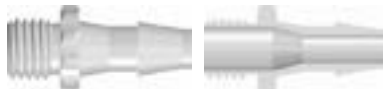
BPCL250 (-10 -81)

Blood Pressure Adapter with 5/16-24 UNF Thread and 6% Internal Taper to 200 Series Barb, 3/16" (4.8 mm) ID Tubing



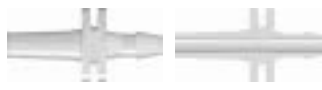
BPC250 (-10)

Blood Pressure Adapter with 5/16-24 UNF Thread to 200 Series Barb, 3/16" (4.8 mm) ID Tubing



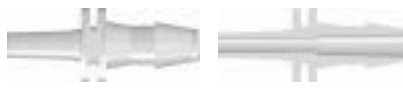
CF229 (-1)

Neonatal Blood Pressure Slip Fit (non luer) with 200 Series Barb, 3/32" (2.4 mm) ID Tubing



CF230 (-1)

Neonatal Blood Pressure Slip Fit (non luer) with 200 Series Barb, 5/32" (4.0 mm) ID Tubing



BLOOD PRESSURE

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

Did you know?

Value Plastics has an Interactive PDF available online at www.valueplastics.com. Access part drawings, reference charts, data sheets, and more from just one location!

Resin Reference

- Pg 82** Chemical Resistance
- Pg 83** Regulatory Status
- Pg 84** Sterilization Stability
- Pg 85** Typical Properties

TAPERED SEAL

CONNECTORS



Small Bore
PG-40



Large Bore Male
PG-41



Large Bore Female
PG-41



Plugs and Caps
PG-41



SMALL BORE CONNECTORS:

Male and Female

TSC2M210 (-6005)

Male Taper Seal Non-Luer Connector to 200 Series Barb, 1/16" (1.6 mm) ID Tubing



TSC2M013 (-6005)

Male Taper Seal Non-Luer Connector to 500 Series Barb, 1/8" (3.2 mm) ID Tubing



TSC2M035 (-6005)

Male Taper Seal Non-Luer Connector to 500 Series Barb, 3/16" (4.8 mm) ID Tubing



TSC2F210 (-6005)

Female Taper Seal Non-Luer Connector to 200 Series Barb, 1/16" (1.6 mm) ID Tubing



TSC2F007 (-6005)

Female Taper Seal Non-Luer Connector to 500 Series Barb, 3/32" (2.4 mm) ID Tubing



TSC2F013 (-6005)

Female Taper Seal Non-Luer Connector to 500 Series Barb, 1/8" (3.2 mm) ID Tubing



TSC2F035 (-6005)

Female Taper Seal Non-Luer Connector to 500 Series Barb, 3/16" (4.8 mm) ID Tubing



SMALL BORE CONNECTORS:

Female and Cap

TSC2FB230 (-6005)

Female Taper Seal Non-Luer with 1/4-28 UNF Panel Mount to 200 Series Barb, 1/8" (3.2 mm) ID Tubing



TSC2MP (-6005) 1,000 piece minimum

Male Taper Seal Non-Luer Plug with Tether Recess

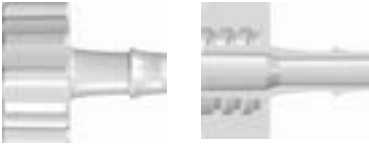


LARGE BORE CONNECTORS:

Male

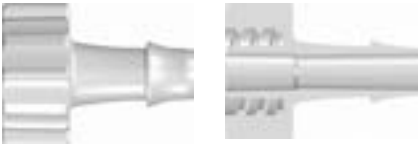
MLB035 (-1 -8012 -9)

Male Large Bore Non-Luer Connector to 500 Series Barb, 3/16" (4.8 mm) ID Tubing



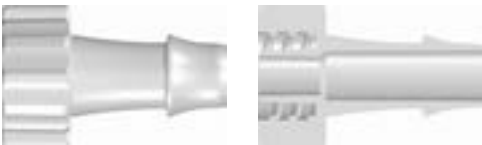
MLB055 (-1 -8012 -9)

Male Large Bore Non-Luer Connector to 500 Series Barb, 1/4" (6.4 mm) ID Tubing



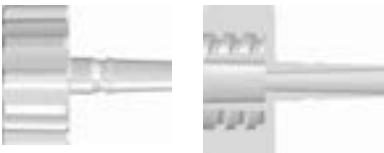
MLB065 (-1 -8012 -9)

Male Large Bore Non-Luer Connector to 500 Series Barb, 5/16" (8.0 mm) ID Tubing



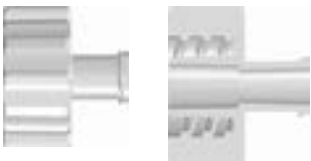
MLBC7 (-9002)

Male Large Bore Non-Luer Connector with Integral Lock Ring to Male Slip Luer (May be Used with Separate Rotating Lock Ring; FSLLR)



MLBC8 (-9002)

Male Large Bore Non-Luer Connector with Integral Lock Ring to Female Thread-Style Locking Luer

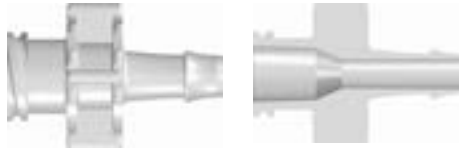


LARGE BORE CONNECTORS:

Female

FLB035 (-1 -8012 -9)

Female Large Bore Non-Luer Connector to 500 Series Barb, 3/16" (4.8 mm) ID Tubing



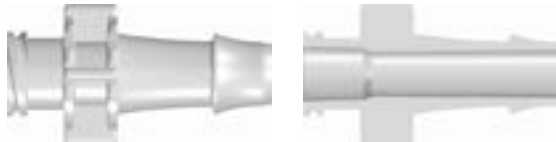
FLB055 (-1 -2 -8012 -9)

Female Large Bore Non-Luer Connector to 500 Series Barb, 1/4" (6.4 mm) ID Tubing



FLB065 (-1 -8012 -9)

Female Large Bore Non-Luer Connector to 500 Series Barb, 5/16" (8.0 mm) ID Tubing



LARGE BORE CONNECTORS:

Plugs and Caps

FLBP (-1 -8012 -9)

Female Large Bore Non-Luer Cap



MLBP (-1 -2 -8012 -9 -9002)

Male Large Bore Non-Luer Plug



Need more details?

Part drawings, minimum order quantities, and CAD requests can be found online. Visit www.valueplastics.com or contact Sales at sales@valueplastics.com

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

TAPERED SEAL

Resin Reference

- Pg 82 Chemical Resistance
- Pg 83 Regulatory Status
- Pg 84 Sterilization Stability
- Pg 85 Typical Properties

TUBE-TO-TUBE CONNECTORS



Straight Throughs
PG-43



Straight Through Reducers
PG-45



Elbows
PG-48



Elbow Reducers
PG-49



Tees
PG-50



Tee Reducers
PG-51



Ys
PG-53



Multiports
PG-54



Press-in Plugs
PG-56



Ultrasonically Weldable Barbs
PG-57



Panel Mounts and Accessories
PG-57



Custom Tube-To-Tube Fittings
PG-11



Value Plastics offers barbed tube fittings and tubing connectors in sizes ranging from 1/16" (1.6 mm) to 1" (25.4 mm) tubing ID in over 100 separate configurations in nylon, polypropylene, polycarbonate and PVDF, with other engineering resins available on special order. Available barbed fitting styles include straight tube connectors, elbow fittings, tee fittings, crosses, Y (wye) connectors, multi-port connectors, and multiple straight, elbow and tee reducer combinations.

Several barb styles are offered to provide designers the widest range of assembly forces, pulloff resistance and blowoff resistance – without the need for clamps. Review the descriptions for each of the styles to determine what's best for your application.

Small Bore Barb Styles

Tube ID	Classic	200 Series	400 Series	500 Series
1/16" (1.6 mm)	X	X	X	X
3/32" (2.4 mm)	X	X	X	X
1/8" (3.2 mm)	X	X	X	X
5/32" (4.0 mm)	X	X	X	X
3/16" (4.8 mm)	X	X	X	X
1/4" (6.4 mm)	X	X	X	X
5/16" (8.0 mm)				X

Large Bore Barb Styles

Tube ID	500 Series	600 Series	900 Series
3/8" (9.5 mm)	X	X	X
1/2" (12.7 mm)	X	X	X
5/8" (16.0 mm)	X	X	
3/4" (19.0 mm)	X	X	
1" (25.4 mm)	X	X	

N004 (-1 -2 -6005 -9 -J1A)

Straight Through Connector with 500 Series Barbs, 1/16" (1.6 mm) ID Tubing



N210 (-1 -2 -6005 -9 -J1A)

Straight Through Connector with 200 Series Barbs, 1/16" (1.6 mm) ID Tubing



N410 (-1 -2 -6005 -J1A)

Straight Through Connector with 400 Series Barbs, 1/16" (1.6 mm) ID Tubing



AA (-1 -2 -6005 -9 -J1A)

Straight Through Connector with Classic Series Barbs, 1/16" (1.6 mm) ID Tubing



N007 (-1 -2 -6005 -9 -J1A)

Straight Through Connector with 500 Series Barbs, 3/32" (2.4 mm) ID Tubing



N220 (-1 -2 -6005 -9 -9002 -J1A)

Straight Through Connector with 200 Series Barbs, 3/32" (2.4 mm) ID Tubing



N420 (-1 -2 -6005 -J1A)

Straight Through Connector with 400 Series Barbs, 3/32" (2.4 mm) ID Tubing



DD (-1 -2 -6005 -9 -J1A)

Straight Through Connector with Classic Series Barbs, 3/32" (2.4 mm) ID Tubing



N013 (-1 -2 -6005 -9 -J1A -9002)

Straight Through Connector with 500 Series Barbs, 1/8" (3.2 mm) ID Tubing



N230 (-1 -2 -3 -5 -6005 -9 -J1A)

Straight Through Connector with 200 Series Barbs, 1/8" (3.2 mm) ID Tubing



N430 (-1 -2 -6005 -J1A)

Straight Through Connector with 400 Series Barbs, 1/8" (3.2 mm) ID Tubing



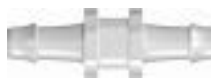
CC (-1 -2 -6005 -9 -J1A)

Straight Through Connector with Classic Series Barbs, 1/8" (3.2 mm) ID Tubing



N025 (-1 -2 -6005 -9 -J1A)

Straight Through Connector with 500 Series Barbs, 5/32" (4.0 mm) ID Tubing



N440 (-1 -2 -5 -6005 -9 -J1A)

Straight Through Connector with 400 Series Barbs, 5/32" (4.0 mm) ID Tubing



4040 (-1 -2 -6005 -9 -J1A)

Straight Through Connector with Classic Series Barbs, 5/32" (4.0 mm) ID Tubing



Need samples for evaluation?

You can call to request most of our standard product in quantities of 5, or less, for free application evaluation.

+1 (970) 267-5200 Toll Free: (888) 404-5837

TUBE-TO-TUBE FITTINGS

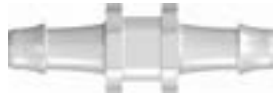
- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

Resin Reference

- Pg 82** Chemical Resistance
- Pg 83** Regulatory Status
- Pg 84** Sterilization Stability
- Pg 85** Typical Properties

N035 (-1 -2 -6005 -9 -J1A)

Straight Through Connector with 500 Series Barbs, 3/16" (4.8 mm) ID Tubing



5050 (-1 -2 -6005 -9 -9002 -J1A)

Straight Through Connector with Classic Series Barbs, 3/16" (4.8 mm) ID Tubing



N055 (-1 -2 -6005 -9 -J1A)

Straight Through Connector with 500 Series Barbs, 1/4" (6.4 mm) ID Tubing



6060 (-1 -2 -6005 -9 -9002 -J1A)

Straight Through Connector with Classic Series Barbs, 1/4" (6.4 mm) ID Tubing



N065 (-1 -2 -6005 -9 -J1A)

Straight Through Connector with 500 Series Barbs, 5/16" (8 mm) ID Tubing



Reference part shown: **N670**

Due to size we are not able to display all large Tube-To-Tube connectors. Please see www.valueplastics.com for part reference. Minimum package quantities vary by tube IDs, please verify minimum package sizes when placing orders.

N070 (-0 -6005 -9)

Straight Through Connector with 500 Series Barbs, 3/8" (9.5 mm) ID Tubing

N670 (-6005 -9 -J1A)

Straight Through Connector with 600 Series Barbs, 3/8" (9.5 mm) ID Tubing

N970 (-9)

Straight Through Connector with 900 Series Barbs, 3/8" (9.5 mm) ID Tubing

N080 (-0 -6005 -9)

Straight Through Connector with 500 Series Barbs, 1/2" (12.7 mm) ID Tubing

N680 (-6005 -9 -J1A)

Straight Through Connector with 600 Series Barbs, 1/2" (12.7 mm) ID Tubing

N975 (-9)

Straight Through Connector with 900 Series Barbs, 1/2" (12.7 mm) ID Tubing

N090 (-0 -6005 -9)

Straight Through Connector with 500 Series Barbs, 5/8" (16.0 mm) ID Tubing

N690 (-0 -6005 -9)

Straight Through Connector with 600 Series Barbs, 5/8" (16.0 mm) ID Tubing

N100 (-0 -6005)

Straight Through Connector with 500 Series Barbs, 3/4" (19.0 mm) ID Tubing

N110 (-0 -6005)

Straight Through Connector with 500 Series Barbs, 1" (25.4 mm) ID Tubing

TUBE-TO-TUBE FITTINGS

Part Drawings Online!

Value Plastics provides dimensional drawings available for download for all of its fittings.

www.valueplastics.com

Resin Reference

- Pg 82** Chemical Resistance
- Pg 83** Regulatory Status
- Pg 84** Sterilization Stability
- Pg 85** Typical Properties

TUBE-TO-TUBE: Straight Through Reducer

N007/004 (-1 -2 -6005 -9 -J1A)

Straight Through Reduction Connector with 500 Series Barbs, 3/32" (2.4 mm) and 1/16" (1.6 mm) ID Tubing



N220/210 (-1 -2 -6005 -9 -J1A)

Straight Through Reduction Connector with 200 Series Barbs, 3/32" (2.4 mm) and 1/16" (1.6 mm) ID Tubing



N420/410 (-1 -2 -6005 -10 -J1A)

Straight Through Reduction Connector with 400 Series Barbs, 3/32" (2.4 mm) and 1/16" (1.6 mm) ID Tubing



AD (-1 -2 -6005 -9 -J1A)

Straight Through Reduction Connector with Classic Series Barbs, 3/32" (2.4 mm) and 1/16" (1.6 mm) ID Tubing



N013/004 (-1 -2 -6005 -9 -J1A)

Straight Through Reduction Connector with 500 Series Barbs, 1/8" (3.2 mm) and 1/16" (1.6 mm) ID Tubing



N230/210 (-1 -2 -6005 -9 -J1A)

Straight Through Reduction Connector with 200 Series Barbs, 1/8" (3.2 mm) and 1/16" (1.6 mm) ID Tubing



N430/410 (-1 -2 -6005 -J1A)

Straight Through Reduction Connector with 400 Series Barbs, 1/8" (3.2 mm) and 1/16" (1.6 mm) ID Tubing



AC (-0 -1 -2 -6005 -9 -J1A)

Straight Through Reduction Connector with Classic Series Barbs, 1/8" (3.2 mm) and 1/16" (1.6 mm) ID Tubing



N025/004 (-1 -2 -6005 -9 -J1A)

Straight Through Reduction Connector with 500 Series Barbs, 5/32" (4.0 mm) and 1/16" (1.6 mm) ID Tubing



1040 (-1 -2 -6005 -9 -J1A)

Straight Through Reduction Connector with Classic Series Barbs, 5/32" (4.0 mm) and 1/16" (1.6 mm) ID Tubing



1050 (-1 -2 -6005 -9 -J1A)

Straight Through Reduction Connector with Classic Series Barbs, 3/16" (4.8 mm) and 1/16" (1.6 mm) ID Tubing



N013/007 (-1 -2 -6005 -9 -9002 -J1A)

Straight Through Reduction Connector with 500 Series Barbs, 1/8" (3.2 mm) and 3/32" (2.4 mm) ID Tubing



N230/220 (-1 -2 -6005 -07 -9 -J1A)

Straight Through Reduction Connector with 200 Series Barbs, 1/8" (3.2 mm) and 3/32" (2.4 mm) ID Tubing



N430/420 (-1 -2 -6005 -J1A)

Straight Through Reduction Connector with 400 Series Barbs, 1/8" (3.2 mm) and 3/32" (2.4 mm) ID Tubing



DC (-1 -2 -6005 -9)

Straight Through Reduction Connector with Classic Series Barbs, 1/8" (3.2 mm) and 3/32" (2.4 mm) ID Tubing



45

Material Reference

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

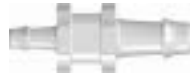
TUBE-TO-TUBE
FITTINGS

Resin Reference

- Pg 82 Chemical Resistance
- Pg 83 Regulatory Status
- Pg 84 Sterilization Stability
- Pg 85 Typical Properties

N025/007 (-1 -2 -6005 -9 -J1A)

Straight Through Reduction Connector with 500 Series Barbs, 5/32" (4.0 mm) and 3/32" (2.4 mm) ID Tubing



2040 (-1 -2 -6005 -9 -J1A)

Straight Through Reduction Connector with Classic Series Barbs, 5/32" (4.0 mm) and 3/32" (2.4 mm) ID Tubing



N035/007 (-1 -2 -6005 -9 -J1A)

Straight Through Reduction Connector with 500 Series Barbs, 3/16" (4.8 mm) and 3/32" (2.4 mm) ID Tubing



2050 (-1 -2 -6005 -9 -J1A)

Straight Through Reduction Connector with Classic Series Barbs, 3/16" (4.8 mm) and 3/32" (2.4 mm) ID Tubing



N025/013 (-1 -2 -6005 -9 -J1A)

Straight Through Reduction Connector with 500 Series Barbs, 5/32" (4.0 mm) and 1/8" (3.2 mm) ID Tubing



3040 (-1 -2 -6005 -9 -J1A)

Straight Through Reduction Connector with Classic Series Barbs, 5/32" (4.0 mm) and 1/8" (3.2 mm) ID Tubing



N035/013 (-1 -2 -6005 -81 -9 -J1A)

Straight Through Reduction Connector with 500 Series Barbs, 3/16" (4.8 mm) and 1/8" (3.2 mm) ID Tubing



3050 (-1 -2 -5 -6005 -81 -9 -9002 -J1A)

Straight Through Reduction Connector with Classic Series Barbs, 3/16" (4.8 mm) and 1/8" (3.2 mm) ID Tubing



N055/013 (-1 -2 -6005 -9 -J1A)

Straight Through Reduction Connector with 500 Series Barbs, 1/4" (6.4 mm) and 1/8" (3.2 mm) ID Tubing



3060 (-1 -2 -6005 -9 -J1A -J1A2)

Straight Through Reduction Connector with Classic Series Barbs, 1/4" (6.4 mm) and 1/8" (3.2 mm) ID Tubing



N035/025 (-1 -2 -6005 -9 -J1A)

Straight Through Reduction Connector with 500 Series Barbs, 3/16" (4.8 mm) and 5/32" (4.0 mm) ID Tubing



4050 (-1 -2 -6005 -9 -J1A)

Straight Through Reduction Connector with Classic Series Barbs, 3/16" (4.8 mm) and 5/32" (4.0 mm) ID Tubing



N055/025 (-1 -2 -6005 -9 -J1A)

Straight Through Reduction Connector with 500 Series Barbs, 1/4" (6.4 mm) and 5/32" (4.0 mm) ID Tubing



Did you know?

Value Plastics has an Interactive PDF available online at www.valueplastics.com. Access part drawings, reference charts, data sheets, and more from just one location!

TUBE-TO-TUBE
FITTINGS

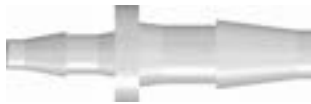
Resin Reference

- Pg 82** Chemical Resistance
- Pg 83** Regulatory Status
- Pg 84** Sterilization Stability
- Pg 85** Typical Properties

TUBE-TO-TUBE: Straight Through Reducer

4060 (-1 -2 -6005 -9 -J1A)

Straight Through Reduction Connector with Classic Series Barbs, 1/4" (6.4 mm) and 5/32" (4.0 mm) ID Tubing



N065/025 (-1 -2 -6005 -9 -J1A)

Straight Through Reduction Connector with 500 Series Barbs, 5/16" (8.0 mm) and 5/32" (4.0 mm) ID Tubing



N055/035 (-1 -2 -6005 -9 -J1A)

Straight Through Reduction Connector with 500 Series Barbs, 1/4" (6.4 mm) and 3/16" (4.8 mm) ID Tubing



5060 (-1 -2 -6005 -9 -9002 -J1A)

Straight Through Reduction Connector with Classic Series Barbs, 1/4" (6.4 mm) and 3/16" (4.8 mm) ID Tubing



N065/035 (-1 -2 -6005 -9 -J1A)

Straight Through Reduction Connector with 500 Series Barbs, 5/16" (8.0 mm) and 3/16" (4.8 mm) ID Tubing



N065/055 (-1 -2 -6005 -9 -J1A)

Straight Through Reduction Connector with 500 Series Barbs, 5/16" (8.0 mm) and 1/4" (6.4 mm) ID Tubing



LARGE TUBE-TO-TUBE: Straight Through Reducer



Reference part shown: N070/013

Due to size we are not able to display all large Tube-To-Tube connectors. Please see www.valueplastics.com for part reference. Minimum package quantities vary by tube IDs, please verify minimum package sizes when placing orders.

N070/013 (-0 -6005 -9 -9002 -J1A)

Straight Through Reduction Connector with 500 Series Barbs, 3/8" (9.5 mm) and 1/8" (3.2 mm) ID Tubing

N670/655 (-6005 -9 -J1A)

Straight Through Reduction Connector with 600 Series Barbs, 3/8" (9.5 mm) and 1/4" (6.4 mm) ID Tubing

N680/655 (-6005 -9 -J1A)

Straight Through Reduction Connector with 600 Series Barbs, 1/2" (12.7 mm) and 1/4" (6.4 mm) ID Tubing

N680/670 (-6005 -9)

Straight Through Reduction Connector with 600 Series Barbs, 1/2" (12.7 mm) and 3/8" (9.5 mm) ID Tubing

N690/655 (-6005 -9)

Straight Through Reduction Connector with 600 Series Barbs, 5/8" (16.0 mm) and 1/4" (6.4 mm) ID Tubing

N690/670 (-6005 -9)

Straight Through Reduction Connector with 600 Series Barbs, 5/8" (16.0 mm) and 3/8" (9.5 mm) ID Tubing

N6110/6100 (-6005 -9)

Straight Through Reduction Connector with 600 Series Barbs, 1" (25.4 mm) and 3/4" (19.0 mm) ID Tubing

N070/055 (-0 -6005 -9)

Straight Through Reduction Connector with 500 Series Barbs, 3/8" (9.5 mm) and 1/4" (6.4 mm) ID Tubing

N080/055 (-0 -6005 -9)

Straight Through Reduction Connector with 500 Series Barbs, 1/2" (12.7 mm) and 1/4" (6.4 mm) ID Tubing

N090/055 (-0 -6005)

Straight Through Reduction Connector with 500 Series Barbs, 5/8" (16.0 mm) and 1/4" (6.4 mm) ID Tubing

N080/070 (-0 -6005 -9)

Straight Through Reduction Connector with 500 Series Barbs, 1/2" (12.7 mm) and 3/8" (9.5 mm) ID Tubing

N090/070 (-0 -6005)

Straight Through Reduction Connector with 500 Series Barbs, 5/8" (16.0 mm) and 3/8" (9.5 mm) ID Tubing

N100/080 (-0 -6005)

Straight Through Reduction Connector with 500 Series Barbs, 3/4" (19.0 mm) and 1/2" (12.7 mm) ID Tubing

N110/100 (-0 -6005)

Straight Through Reduction Connector with 500 Series Barbs, 1" (25.4 mm) and 3/4" (19.0 mm) ID Tubing

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

- Pg 82 Chemical Resistance
- Pg 83 Regulatory Status
- Pg 84 Sterilization Stability
- Pg 85 Typical Properties

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

TUBE-TO-TUBE
FITTINGS

L210 (-1 -2 -6005 -9 -J1A)
Elbow Connector with 200 Series Barbs, 1/16" (1.6 mm) ID Tubing



L410 (-1 -2 -6005 -J1A)
Elbow Connector with 400 Series Barbs, 1/16" (1.6 mm) ID Tubing



L10 (-1 -2 -6005 -J1A)
Elbow Connector with Classic Series Barbs, 1/16" (1.6 mm) ID Tubing



L220 (-1 -2 -6005 -9 -9002 -J1A)
Elbow Connector with 200 Series Barbs, 3/32" (2.4 mm) ID Tubing



L420 (-1 -2 -6005 -J1A)
Elbow Connector with 400 Series Barbs, 3/32" (2.4 mm) ID Tubing



L20 (-1 -2 -6005 -J1A)
Elbow Connector with Classic Series Barbs, 3/32" (2.4 mm) ID Tubing



L230 (-1 -2 -6005 -9 -J1A)
Elbow Connector with 200 Series Barbs, 1/8" (3.2 mm) ID Tubing



L430 (-1 -2 -6005 -J1A)
Elbow Connector with 400 Series Barbs, 1/8" (3.2 mm) ID Tubing



L30 (-1 -2 -6005 -J1A)
Elbow Connector with Classic Series Barbs, 1/8" (3.2 mm) ID Tubing



L440 (-2)
Elbow Connector with 400 Series Barbs, 5/32" (4.0 mm) ID Tubing



L40 (-1 -2 -6005 -J1A)
Elbow Connector with Classic Series Barbs, 5/32" (4.0 mm) ID Tubing



L50 (-1 -2 -6005 -J1A)
Elbow Connector with Classic Series Barbs, 3/16" (4.8 mm) ID Tubing



L60 (-1 -2 -6005 -J1A)
Elbow Connector with Classic Series Barbs, 1/4" (6.4 mm) ID Tubing



Need more details?

Part drawings, minimum order quantities, and CAD requests can be found online. Visit www.valueplastics.com or contact Sales at sales@valueplastics.com

- Pg 82 Chemical Resistance
- Pg 83 Regulatory Status
- Pg 84 Sterilization Stability
- Pg 85 Typical Properties

LARGE TUBE-TO-TUBE: Elbow



Reference part shown: **L070**

Due to size we are not able to display all large Tube-To-Tube connectors. Please see www.valueplastics.com for part reference. Minimum package quantities vary by tube IDs, please verify minimum package sizes when placing orders.

L070 (-0 -6005)

Elbow Connector with 500 Series Barbs, 3/8" (9.5 mm) ID Tubing

L970 (-9)

Elbow Connector with 900 Series Barbs, 3/8" (9.5 mm) ID Tubing

L080 (-0 -6005)

Elbow Connector with 500 Series Barbs, 1/2" (12.7 mm) ID Tubing

L975 (-9)

Elbow Connector with 900 Series Barbs, 1/2" (12.7 mm) ID Tubing

L090 (-0 -6005)

Elbow Connector with 500 Series Barbs, 5/8" (16.0 mm) ID Tubing

L100 (-0 -6005)

Elbow Connector with 500 Series Barbs, 3/4" (19.0 mm) ID Tubing

L110 (-0 -6005)

Elbow Connector with 500 Series Barbs, 1" (25.4 mm) ID Tubing

L6110 (-6005)

Elbow Connector with 600 Series Barbs, 1" (25.4 mm) ID Tubing

CF494 (-6 -6005)

Low-profile Elbow Connector with Custom 600 Series Barbs, 1" (25.4 mm) ID Tubing

TUBE-TO-TUBE: Elbow Reducer

L220/210 (-1 -2 -6005 -9 -J1A)

Elbow Reduction Connector with 200 Series Barbs, 3/32" (2.4 mm) and 1/16" (1.6 mm) ID Tubing



L420/410 (-1 -2 -6005 -J1A)

Elbow Reduction Connector with 400 Series Barbs, 3/32" (2.4 mm) and 1/16" (1.6 mm) ID Tubing



L230/210 (-1 -2 -6005 -9 -J1A)

Elbow Reduction Connector with 200 Series Barbs, 1/8" (3.2 mm) and 1/16" (1.6 mm) ID Tubing



L430/410 (-1 -2 -6005 -J1A)

Elbow Reduction Connector with 400 Series Barbs, 1/8" (3.2 mm) and 1/16" (1.6 mm) ID Tubing



L230/220 (-1 -2 -6005 -9 -J1A)

Elbow Reduction Connector with 200 Series Barbs, 1/8" (3.2 mm) and 3/32" (2.4 mm) ID Tubing



L430/420 (-1 -2 -6005 -J1A)

Elbow Reduction Connector with 400 Series Barbs, 1/8" (3.2 mm) and 3/32" (2.4 mm) ID Tubing



L430/220 (-9002)

Elbow Reduction Connector with a 400 Series Barb, 1/8" (3.2 mm) and a 200 Series Barb, 3/32" (2.4 mm) ID Tubing



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Material Reference

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

TUBE-TO-TUBE
FITTINGS

Resin Reference

- Pg 82** Chemical Resistance
- Pg 83** Regulatory Status
- Pg 84** Sterilization Stability
- Pg 85** Typical Properties



Reference part shown: **L070/055**

Due to size we are not able to display all large Tube-To-Tube connectors. Please see www.valueplastics.com for part reference. Minimum package quantities vary by tube IDs, please verify minimum package sizes when placing orders.

L070/055 (-0 -6005)

Elbow Reduction Connector with 500 Series Barbs, 3/8" (9.5 mm) and 1/4" (6.4 mm) ID Tubing

L080/070 (-0 -6005)

Elbow Reduction Connector with 500 Series Barbs, 1/2" (12.7 mm) and 3/8" (9.5 mm) ID Tubing

L100/080 (-0 -6005)

Elbow Reduction Connector with 500 Series Barbs, 3/4" (19.0 mm) and 1/2" (12.7 mm) ID Tubing

L110/100 (-0 -6005)

Elbow Reduction Connector with 500 Series Barbs, 1" (25.4 mm) and 3/4" (19.0 mm) ID Tubing

TUBE-TO-TUBE: Tee

T210 (-1 -2 -6005 -9 -J1A)

Tee Connector with 200 Series Barbs, 1/16" (1.6 mm) ID Tubing



T410 (-1 -2 -6005 -J1A)

Tee Connector with 400 Series Barbs, 1/16" (1.6 mm) ID Tubing



T10 (-1 -2 -6005 -J1A)

Tee Connector with Classic Series Barbs, 1/16" (1.6 mm) ID Tubing



T220 (-1 -2 -6005 -9 -J1A)

Tee Connector with 200 Series Barbs, 3/32" (2.4 mm) ID Tubing



T420 (-1 -2 -6005 -J1A)

Tee Connector with 400 Series Barbs, 3/32" (2.4 mm) ID Tubing



T20 (-1 -2 -6005 -J1A)

Tee Connector with Classic Series Barbs, 3/32" (2.4 mm) ID Tubing



T230 (-1 -2 -5 -6005 -9 -J1A)

Tee Connector with 200 Series Barbs, 1/8" (3.2 mm) ID Tubing



T250 (-1 -2 -6005 -9 -J1A)

Tee Connector with 200 Series Barbs, 3/16" (4.8 mm) ID Tubing



T430 (-1 -2 -6005 -9002 -J1A)

Tee Connector with 400 Series Barbs, 1/8" (3.2 mm) ID Tubing



T013 (-6005)

Tee Connector with 500 Series Barbs, 1/8" (3.2 mm) ID Tubing



T30 (-1 -2 -6005 -9 -J1A)

Tee Connector with Classic Series Barbs, 1/8" (3.2 mm) ID Tubing



T40 (-1 -2 -6005 -J1A)

Tee Connector with Classic Series Barbs, 5/32" (4 mm) ID Tubing



T055 (-6005)

Tee Connector with 500 Series Barbs, 1/4" (6.4 mm) ID Tubing



TUBE-TO-TUBE
FITTINGS

Resin Reference

- Pg 82** Chemical Resistance
- Pg 83** Regulatory Status
- Pg 84** Sterilization Stability
- Pg 85** Typical Properties

TUBE-TO-TUBE:

Tee

T60 (-1 -2 -6005 -9 -J1A)

Tee Connector with Classic Series Barbs, 1/4" (6.4 mm) ID Tubing



LARGE TUBE-TO-TUBE:

Tee



Reference part shown: T070

Due to size we are not able to display all large Tube-To-Tube connectors. Please see www.valueplastics.com for part reference. Minimum package quantities vary by tube IDs, please verify minimum package sizes when placing orders.

T070 (-0 -6005 -9)

Tee Connector with 500 Series Barbs, 3/8" (9.5 mm) ID Tubing

T670 (-1 -6005 -9 -J1A)

Tee Connector with 600 Series Barbs, 3/8" (9.5 mm) ID Tubing

T970 (-9)

Tee Connector with 900 Series Barbs, 3/8" (9.5 mm) ID Tubing

T080 (-0 -6005 -9)

Tee Connector with 500 Series Barbs, 1/2" (12.7 mm) ID Tubing

T680 (-6005 -9 -J1A)

Tee Connector with 600 Series Barbs, 1/2" (12.7 mm) ID Tubing

T975 (-9)

Tee Connector with 900 Series Barbs, 1/2" (12.7 mm) ID Tubing

T690 (-6005 -9)

Tee Connector with 600 Series Barbs, 5/8" (16.0 mm) ID Tubing

T100 (-0 -6005 -9)

Tee Connector with 500 Series Barbs, 3/4" (19.0 mm) ID Tubing

T110 (-0 -6005)

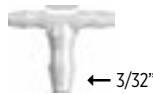
Tee Connector with 500 Series Barbs, 1" (25.4 mm) ID Tubing

TUBE-TO-TUBE:

Tee Reducer

T210/220 (-1 -2 -6005 -9 -J1A)

Tee Reduction Connector with 400 Series Barbs, 3/32" (2.4 mm) and 1/16" (1.6 mm) ID Tubing



T410/420 (-1 -2 -6005 -J1A)

Tee Reduction Connector with 400 Series Barbs, 1/16" (1.6 mm) and 3/32" (2.4 mm) ID Tubing



T420/410 (-1 -2 -6005 -J1A)

Tee Reduction Connector with 400 Series Barbs, 3/32" (2.4 mm) and 1/16" (1.6 mm) ID Tubing



T220/210 (-1 -2 -6005 -9 -J1A)

Tee Reduction Connector with 200 Series Barbs, 3/32" (2.4 mm) and 1/16" (1.6 mm) ID Tubing



T220R210 (-1 -2 -6005 -9 -J1A)

Tee Reduction Connector with 200 Series Barbs, 3/32" (2.4 mm) and 1/16" (1.6 mm) ID Tubing



T420R410 (-1 -2 -6005 -J1A)

Tee Reduction Connector with 400 Series Barbs, 3/32" (2.4 mm) and 1/16" (1.6 mm) ID Tubing



T430/410 (-1 -2 -6005 -J1A)

Tee Reduction Connector with 400 Series Barbs, 1/8" (3.2 mm) and 1/16" (1.6 mm) ID Tubing



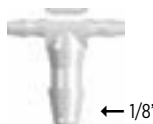
T230/210 (-1 -2 -6005 -9 -J1A)

Tee Reduction Connector with 200 Series Barbs, 1/8" (3.2 mm) and 1/16" (1.6 mm) ID Tubing



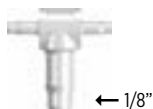
T210/230 (-1 -2 -6005 -9 -J1A)

Tee Reduction Connector with 200 Series Barbs, 1/16" (1.6 mm) and 1/8" (3.2 mm) ID Tubing



T410/430 (-1 -2 -6005 -J1A)

Tee Reduction Connector with 400 Series Barbs, 1/16" (1.6 mm) and 1/8" (3.2 mm) ID Tubing



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Material Reference

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

TUBE-TO-TUBE
FITTINGS

Resin Reference

- Pg 82 Chemical Resistance
- Pg 83 Regulatory Status
- Pg 84 Sterilization Stability
- Pg 85 Typical Properties

T230R210 (-1 -2 -6005 -9 -J1A)

Tee Reduction Connector with 200 Series Barbs, 1/8" (3.2 mm) and 1/16" (1.6 mm) ID Tubing



T430R410 (-1 -2 -6005 -J1A)

Tee Reduction Connector with 400 Series Barbs, 1/8" (3.2 mm) and 1/16" (1.6 mm) ID Tubing



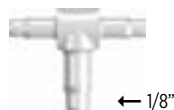
T220/230 (-1 -2 -6005 -9 -J1A)

Tee Reduction Connector with 200 Series Barbs, 3/32" (2.4 mm) and 1/8" (3.2 mm) ID Tubing



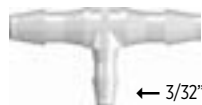
T420/430 (-1 -2 -6005 -J1A)

Tee Reduction Connector with 400 Series Barbs, 3/32" (2.4 mm) and 1/8" (3.2 mm) ID Tubing



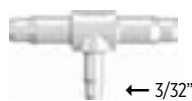
T230/220 (-1 -2 -6005 -9 -J1A)

Tee Reduction Connector with 200 Series Barbs, 1/8" (3.2 mm) and 3/32" (2.4 mm) ID Tubing



T430/420 (-1 -2 -3 -6005 -J1A)

Tee Reduction Connector with 400 Series Barbs, 1/8" (3.2 mm) and 3/32" (2.4 mm) ID Tubing



T230R220 (-1 -2 -6005 -9 -J1A)

Tee Reduction Connector with 200 Series Barbs, 1/8" (3.2 mm) and 3/32" (2.4 mm) ID Tubing



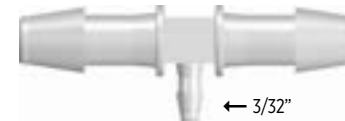
T430R420 (-1 -2 -6005 -J1A)

Tee Reduction Connector with 400 Series Barbs, 1/8" (3.2 mm) and 3/32" (2.4 mm) ID Tubing



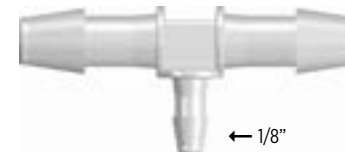
T360/220 (-1 -2 -6005 -9 -J1A)

Tee Reduction Connector with 200 and 300 Series Barbs, 1/4" (6.4 mm) and 3/32" (2.4 mm) ID Tubing



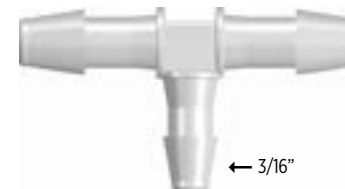
T360/230 (-1 -2 -6005 -9 -J1A)

Tee Reduction Connector with 200 and 300 Series Barbs, 1/4" (6.4 mm) and 1/8" (3.2 mm) ID Tubing



T360/250 (-1 -2 -6005 -9 -J1A)

Tee Reduction Connector with 200 and 300 Series Barbs, 1/4" (6.4 mm) and 3/16" (4.8 mm) ID Tubing



LARGE TUBE-TO-TUBE: Tee



Reference part shown: **T070/055**

Due to size we are not able to display all large Tube-To-Tube connectors. Please see www.valueplastics.com for part reference. Minimum package quantities vary by tube IDs, please verify minimum package sizes when placing orders.

T070/055 (-0 -6005 -9)

Tee Reduction Connector with 500 Series Barbs, 3/8" (9.5 mm) and 1/4" (6.4 mm) ID Tubing

T080/055 (-0 -6005 -9)

Tee Reduction Connector with 500 Series Barbs, 1/2" (12.7 mm) and 1/4" (6.4 mm) ID Tubing

T080/070 (-0 -6005 -9)

Tee Reduction Connector with 500 Series Barbs, 1/2" (12.7 mm) and 3/8" (9.5 mm) ID Tubing

T100/080 (-0 -6005 -9)

Tee Reduction Connector with 500 Series Barbs, 3/4" (19.0 mm) and 1/2" (12.7 mm) ID Tubing

T110/100 (-0 -6005)

Tee Reduction Connector with 500 Series Barbs, 1" (25.4 mm) and 3/4" (19.0 mm) ID Tubing

TUBE-TO-TUBE
FITTINGS

Resin Reference

- Pg 82** Chemical Resistance
- Pg 83** Regulatory Status
- Pg 84** Sterilization Stability
- Pg 85** Typical Properties



Y210 (-1 -2 -6005 -9 -J1A)

Y Connector with 200 Series Barbs, 1/16" (1.6 mm) ID Tubing



Y410 (-1 -2 -6005 -J1A)

Y Connector with 400 Series Barbs, 1/16" (1.6 mm) ID Tubing



Y220 (-1 -2 -6005 -9 -J1A)

Y Connector with 200 Series Barbs, 3/32" (2.4 mm) ID Tubing



Y420 (-1 -2 -6005 -J1A)

Y Connector with 400 Series Barbs, 3/32" (2.4 mm) ID Tubing



Y230 (-1 -2 -3 -6005 -9 -9002 -9010 -J1A)

Y Connector with 200 Series Barbs, 1/8" (3.2 mm) ID Tubing



Y430 (-1 -2 -6005 -J1A)

Y Connector with 400 Series Barbs, 1/8" (3.2 mm) ID Tubing



Y013 (-6005)

Y Connector with 500 Series Barbs, 1/8" (3.2 mm) ID Tubing



Y240 (-1 -2 -6005 -9 -J1A)

Y Connector with 200 Series Barbs, 5/32" (4.0 mm) ID Tubing



Y250 (-1 -2 -6005 -9 -9002 -J1A)

Y Connector with 200 Series Barbs, 3/16" (4.8 mm) ID Tubing



Y450 (-1 -2 -6005 -J1A)

Y Connector with 400 Series Barbs, 3/16" (4.8 mm) ID Tubing



Y260 (-1 -2 -6005 -9 -9002 -J1A)

Y Connector with 200 Series Barbs, 1/4" (6.4 mm) ID Tubing



Y460 (-1 -2 -6005 -9 -J1A)

Y Connector with 400 Series Barbs, 1/4" (6.4 mm) ID Tubing



- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

TUBE-TO-TUBE FITTINGS

Resin Reference

- Pg 82 Chemical Resistance
- Pg 83 Regulatory Status
- Pg 84 Sterilization Stability
- Pg 85 Typical Properties

TUBE-TO-TUBE: Y

Y055 (-6005)
Y Connector with 500 Series Barbs, 1/4" (6.4 mm) ID Tubing



LARGE TUBE-TO-TUBE: Y



Reference part shown: Y070

Due to size we are not able to display all large Tube-To-Tube connectors. Please see www.valueplastics.com for part reference. Minimum package quantities vary by tube IDs, please verify minimum package sizes when placing orders.

Y070 (-0 -6005 -9)
Y Connector with 500 Series Barbs, 3/8" (9.5 mm) ID Tubing

Y670 (-6005 -9 -J1A)
Y Connector with 600 Series Barbs, 3/8" (9.5 mm) ID Tubing

Y080 (-0 -6005 -9)
Y Connector with 500 Series Barbs, 1/2" (12.7 mm) ID Tubing

Y680 (-6005 -9 -J1A)
Y Connector with 600 Series Barbs, 1/2" (12.7 mm) ID Tubing

Y090 (-0 -6005 -J1A)
Y Connector with 500 Series Barbs, 5/8" (16.0 mm) ID Tubing

Y100 (-0 -6005 -J1A)
Y Connector with 500 Series Barbs, 3/4" (19.0 mm) ID Tubing

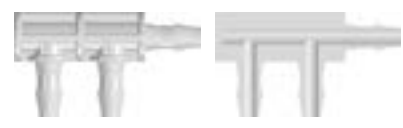
Y110 (-0 -6005)
Y Connector with 500 Series Barbs, 1" (25.4 mm) ID Tubing

TUBE-TO-TUBE: Multiport

3PF210 (-1 -6005)
Three-port F Style Manifold with 200 Series Barbs for 1/16" (1.6 mm) ID Tubing



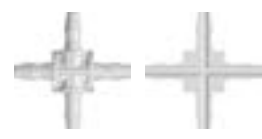
3PF220 (-1 -6005)
Three-port F Style Manifold with 200 Series Barbs for 3/32" (2.4 mm) ID Tubing



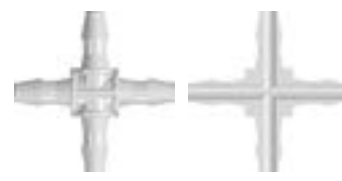
3PF230 (-1 -6005)
Three-port F Style Manifold with 200 Series Barbs for 1/8" (3.2 mm) ID Tubing



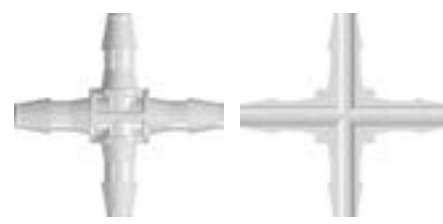
4PX210 (-1 -6005)
Four-port Cross Style Manifold with 200 Series Barbs for 1/16" (1.6 mm) ID Tubing



4PX220 (-1 -6005)
Four-port Cross Style Manifold with 200 Series Barbs for 3/32" (2.4 mm) ID Tubing



4PX230 (-1 -6005)
Four-port Cross Style Manifold with 200 Series Barbs for 1/8" (3.2 mm) ID Tubing



4PDL210 (-1 -6005)
Four-port Double Elbow Style Manifold with 200 Series Barbs, 1/16" (1.6 mm) ID Tubing



TUBE-TO-TUBE FITTINGS

Resin Reference

- Pg 82** Chemical Resistance
- Pg 83** Regulatory Status
- Pg 84** Sterilization Stability
- Pg 85** Typical Properties

4PDL220 (-1 -6005)

Four-port Double Elbow Style Manifold with 200 Series Barbs, 3/32" (2.4 mm) ID Tubing



4PDL230 (-1 -6005)

Four-port Double Elbow Style Manifold with 200 Series Barbs, 1/8" (3.2 mm) ID Tubing



4PLL210 (-1 -6005)

Four-port Thru Flow Double Elbow Style Manifold with 200 Series Barbs, 1/16" (1.6 mm) ID Tubing



4PLL220 (-1 -6005 -9)

Four-port Thru Flow Double Elbow Style Manifold with 200 Series Barbs, 3/32" (2.4 mm) ID Tubing



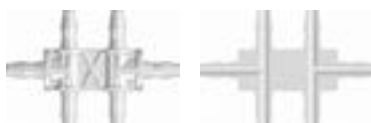
4PLL230 (-1 -2 -6005)

Four-port Thru Flow Double Elbow Style Manifold with 200 Series Barbs, 1/8" (3.2 mm) ID Tubing



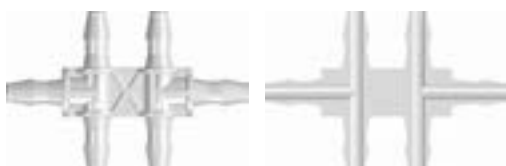
6PDT210 (-1 -6005)

Six-port Double T Style Manifold with 200 Series Barbs for 1/16" (1.6 mm) ID Tubing



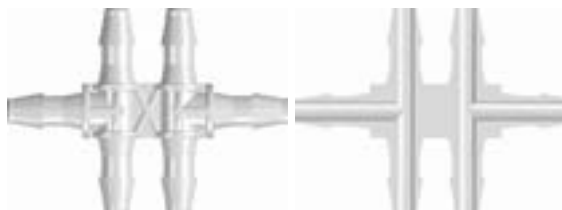
6PDT220 (-1 -6005)

Six-port Double T Style Manifold with 200 Series Barbs for 3/32" (2.4 mm) ID Tubing



6PDT230 (-1 -6005)

Six-port Double T Style Manifold with 200 Series Barbs for 1/8" (3.2 mm) ID Tubing



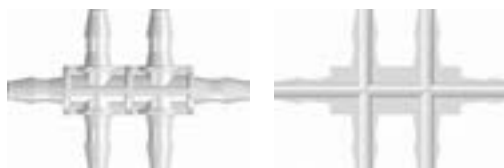
6PTT210 (-1 -6005)

Six-port Thru Flow Double T Style Manifold with 200 Series Barbs for 1/16" (1.6 mm) ID Tubing



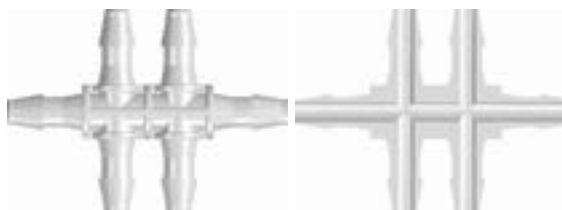
6PTT220 (-1 -6005)

Six-port Thru Flow Double T Style Manifold with 200 Series Barbs for 3/32" (2.4 mm) ID Tubing



6PTT230 (-1 -6005)

Six-port Thru Flow Double T Style Manifold with 200 Series Barbs for 1/8" (3.2 mm) ID Tubing



TUBE-TO-TUBE FITTINGS

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

Need it fast?

You can order any of our 4,000+ parts online now with no order \$ minimums, 24 hours a day, 7 days a week!

www.valueplastics.com

Resin Reference

- Pg 82** Chemical Resistance
- Pg 83** Regulatory Status
- Pg 84** Sterilization Stability
- Pg 85** Typical Properties

PIP210 (-1 -2 -6005 -J1A)
Press-In Plug with 200 Series Barb, 1/16" (1.6 mm) ID Tubing



PIP10 (-1 -2 -6005 -J1A)
Press-In Plug with Classic Series Barb, 1/16" (1.6 mm) ID Tubing



PIP220 (-1 -2 -6005 -J1A)
Press-In Plug with 200 Series Barb, 3/32" (2.4 mm) ID Tubing



PIP20 (-1 -2 -6005 -J1A)
Press-In Plug with Classic Series Barb, 3/32" (2.4 mm) ID Tubing



PIP230 (-1 -2 -6005 -J1A)
Press-In Plug with 200 Series Barb, 1/8" (3.2 mm) ID Tubing



PIP30 (-1 -2 -6005 -J1A)
Press-In Plug with Classic Series Barb, 1/8" (3.2 mm) ID Tubing



PIP240 (-1 -2 -6005 -J1A)
Press-In Plug with 200 Series Barb, 5/32" (4.0 mm) ID Tubing



PIP40 (-1 -2 -6005 -J1A)
Press-In Plug with Classic Series Barb, 5/32" (4.0 mm) ID Tubing



PIP50 (-1 -2 -6005 -J1A)
Press-In Plug with Classic Series Barb, 3/16" (4.8 mm) ID Tubing



PIP60 (-1 -2 -6005 -J1A)
Press-In Plug with Classic Series Barb, 1/4" (6.4 mm) ID Tubing



PIP070 (-0 -6005)
Press-In Plug with 500 Series Barb, 3/8" (9.5 mm) ID Tubing



PIP670 (-6005)
Press-In Plug with 600 Series Barb, 3/8" (9.5 mm) ID Tubing



PIP080 (-6005)
Press-In Plug with 500 Series Barb, 1/2" (12.7 mm) ID tubing



PIP680 (-6005)
Press-In Plug with 600 Series Barb, 1/2" (12.7 mm) ID Tubing



PIP090 (-6005)
Press-In Plug with 500 Series Barb, 5/8" (16.0 mm) ID Tubing



TUBE-TO-TUBE
FITTINGS

Resin Reference

- Pg 82** Chemical Resistance
- Pg 83** Regulatory Status
- Pg 84** Sterilization Stability
- Pg 85** Typical Properties

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

TUBE-TO-TUBE: Ultrasonically Weldable Barb

U10 (-1 -2 -7 -9)

Ultrasonically Weldable Fitting to Classic Series Barb, 1/16" (1.6 mm) ID Tubing



U20 (-1 -2 -7)

Ultrasonically Weldable Fitting to Classic Series Barb, 3/32" (2.4 mm) ID Tubing



U30 (-1 -2 -7)

Ultrasonically Weldable Fitting to Classic Series Barb, 1/8" (3.2 mm) ID Tubing



TUBE-TO-TUBE PANEL MOUNTS: Straight Through and Reducer

PMK210 (-1 -6005)

Panel Mount Connector 10-32 UNF to 200 Series Barbs, 1/16" (1.6 mm) ID Tubing



PMK220 (-1 -6005)

Panel Mount Connector 10-32 UNF to 200 Series Barbs, 3/32" (2.4 mm) ID Tubing



PMS230 (-1 -6005)

Panel Mount Connector 1/4-28 UNF to 200 Series Barbs, 1/8" (3.2 mm) ID Tubing



PMK220-210 (-1 -6005)

Panel Mount Reduction Connector 10-32 UNF to 200 Series Barbs, 3/32" (2.4 mm) and 1/16" (1.6 mm) ID Tubing



PMS230-210 (-1 -6005 -J1A)

Panel Mount Reduction Connector 1/4-28 UNF to 200 Series Barbs, 1/8" (3.2 mm) and 1/16" (1.6 mm) ID Tubing



PMS230-220 (-1 -6005)

Panel Mount Reduction Connector 1/4-28 UNF to 200 Series Barbs, 1/8" (3.2 mm) and 3/32" (2.4 mm) ID Tubing



TUBE-TO-TUBE PANEL MOUNT ACCESSORIES: Lock Nuts and Color Coding Rings

CCR (-1 -2 -3 -4 -5 -06 -07)

Color Coded Ring (For use with PMS, PMK, FTLLB or FTLB panel mount fittings)



CCLR (-1 -2 -3 -4 -5 -06 -07)

Color Coded Lock Ring (For use with PMS, PMK, FTLLB or FTLB panel mount fittings)



PMKN (-XO)

Panel Mount Nut 10-32 UNF with 3/8" Hex (For use with PMK panel mount fittings)



PMSN (-XO)

Panel Mount Nut 1/4-28 UNF with 7/16" Hex (For use with PMS, FTLB, and FTLLB panel mount fittings)



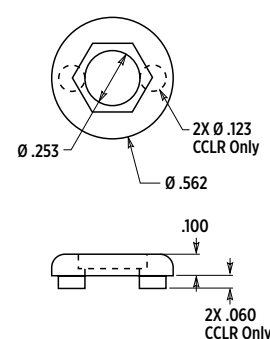
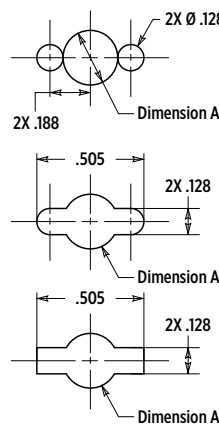
LNS (-1 -2 -3 -4 -5 -06 -6005 -07 -81 -J1A)

1/4-28 UNF Panel Mount Lock Nut (For use with PMS, FTLLB or FTLB panel mount fittings)



Select the correct lock nut for your panel mount:

PART	Dimension A	Use Lock Nut
PMK Series	.193"	PMKN
PMS Series	.255"	PMSN or LNS



TUBE-TO-TUBE
FITTINGS

57

Material Reference

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

Resin Reference

- Pg 82 Chemical Resistance
- Pg 83 Regulatory Status
- Pg 84 Sterilization Stability
- Pg 85 Typical Properties

THREADED FITTINGS



10-32 UNF Special Tapered Thread
PG-59

1/4-28 UNF
PG-62



1/4-28 UNF Bottom Sealing
PG-63

Metric - M6x1
PG-64



Metric - M5x.8
PG-64

1/16-27 NPT
PG-65



1/8-27 NPT
PG-66

1/4-18 NPT Reducers
PG-67



Custom Threaded Fittings
PG-11



The X Thread

Value Plastics X Series components have a tapered 10-32 thread that functions like a pipe thread. In comparison to standard 10-32 UNF threaded fittings, the tapered design works better with oversized ports and ports which are not perpendicular to the face of the component.

The 120 degree chamfer under the hex provides a seal when the fitting is tightened into a port with a countersink as shown below. It also seals on the thread due to interference on the pitch diameter. When using an elbow or tee, the tapered thread tightens radially and facilitates directional alignment of the barb.

Other Thread Series

K, B, C and D Series fittings, designed for use with 10-32 UNF ports, are straight-threaded components. These fittings seal against the 120 degree chamfer under the hex on the fitting and do not tighten radially as they are assembled. S Series fittings are straight threaded components for 1/4-28 UNF ports, M5 Series are for M5 x .8 ports and M6 Series are for M6 x 1 ports.

Part numbers for fittings with pipe threads are noted below. Those for use with 1/16-27 NPT ports have part numbers prefixed with 16; those for 1/8-27 NPT ports have part numbers prefixed with 18; and those for 1/4-18 NPT ports have part numbers prefixed with 14.

The features shown below must be incorporated into the port when using our B, C, D, X, K, S, M5 and M6 Series fittings. Failure to do so will jeopardize the performance of the seal between the fitting and port. For applications in which this seal is highly critical, we recommend that you contact a sealant specialist.

When working with threaded parts, Value Plastics strongly recommends that you test sample parts in your application.

Value Plastics Thread Series	Dimension A Thread Length	Clearance Needed to Achieve Chamfer Seal	Dimension B Countersink Diameter	Feature C Internal Screw Thread Series
X	.200"	.250"	.210"-.230"	10-32 UNF 2B
K, B, C, D	.156"	.200"	.210"-.230"	10-32 UNF 2B
S	.204"	.250"	.270"-.290"	1/4-28 UNF 2B
M5	.192"	.250"	.210"-.230"	M5 X .8
M6	.235"	.375"	.270"-.290"	M6 X 1

THREAD:

10-32 UNF, Special Tapered Thread

X210 (-1 -2 -3 -5 -6005 -J1A)

10-32 Special Tapered Thread with 1/4" Hex to 200 Series Barb, 1/16" (1.6 mm) ID Tubing



K210 (-1 -2 -3 -5 -6005 -J1A)

10-32 UNF Thread with 1/4" Hex to 200 Series Barb, 1/16" (1.6 mm) ID Tubing



X410 (-1 -2 -6005 -J1A)

10-32 Special Tapered Thread with 1/4" Hex to 400 Series Barb, 1/16" (1.6 mm) ID Tubing



K410 (-1 -2 -6005 -J1A)

10-32 UNF Thread with 1/4" Hex to 400 Series Barb, 1/16" (1.6 mm) ID Tubing



X10 (-1 -2 -6005 -J1A)

10-32 Special Tapered Thread with 1/4" Hex to Classic Series Barb, 1/16" (1.6 mm) ID Tubing



K10 (-1 -2 -6005 -J1A)

10-32 UNF Thread with 1/4" Hex to Classic Series Barb, 1/16" (1.6 mm) ID Tubing



X220 (-1 -2 -3 -6005 -J1A)

10-32 Special Tapered Thread with 1/4" Hex to 200 Series Barb, 3/32" (2.4 mm) ID Tubing



K220 (-1 -2 -6005 -J1A)

10-32 UNF Thread with 1/4" Hex to 200 Series Barb, 3/32" (2.4 mm) ID Tubing



X420 (-1 -2 -6005 -J1A)

10-32 Special Tapered Thread with 1/4" Hex to 400 Series Barb, 3/32" (2.4 mm) ID Tubing



K420 (-1 -2 -6005 -J1A)

10-32 UNF Thread with 1/4" Hex to 400 Series Barb, 3/32" (2.4 mm) ID Tubing



D (-1 -2 -3 -4 -5 -6005 -J1A)

10-32 UNF Thread with 1/4" Hex to Classic Series Barb, 3/32" (2.4 mm) ID Tubing



X230 (-1 -2 -3 -5 -6005 -J1A)

10-32 Special Tapered Thread with 1/4" Hex to 200 Series Barb, 1/8" (3.2 mm) ID Tubing



K230 (-1 -2 -6005 -J1A)

10-32 UNF Thread with 1/4" Hex to 200 Series Barb, 1/8" (3.2 mm) ID Tubing



X430 (-1 -2 -3 -6005 -J1A)

10-32 Special Tapered Thread with 1/4" Hex to 400 Series Barb, 1/8" (3.2 mm) ID Tubing



K430 (-1 -2 -6005 -J1A)

10-32 UNF Thread with 1/4" Hex to 400 Series Barb, 1/8" (3.2 mm) ID Tubing



B (-1 -2 -3 -4 -5 -6005 -J1A)

10-32 UNF Thread with 1/4" Hex to Classic Series Barb, 1/8" (3.2 mm) ID Tubing



C (-1 -2 -3 -4 -5 -6005 -J1A)

10-32 UNF Thread with 1/4" Hex to Classic Series Barb, Short Neck, 1/8" (3.2 mm) ID Tubing



K240 (-1 -2 -6005 -J1A)

10-32 UNF Thread with 1/4" Hex to 200 Series Barb, 5/32" (4.0 mm) ID Tubing



X240 (-1 -2 -6005 -J1A)

10-32 Special Tapered Thread with 1/4" Hex to 200 Series Barb, 5/32" (4.0 mm) ID Tubing



X445 (-1 -2 -6005 -J1A)

10-32 Special Tapered Thread with 1/4" Hex to 400 Series Barb, .170" (4.3 mm) ID Tubing



K445 (-1 -2 -6005 -J1A)

10-32 UNF Thread with 1/4" Hex to 400 Series Barb, .170" (4.3 mm) ID Tubing



- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

THREADED FITTINGS

Resin Reference

- Pg 82 Chemical Resistance
- Pg 83 Regulatory Status
- Pg 84 Sterilization Stability
- Pg 85 Typical Properties

XL210 (-1 -2 -6005 -J1A)
10-32 Special Tapered Thread Elbow with 1/4" Hex to 200 Series Barb, 1/16" (1.6 mm) ID Tubing



KL210 (-1 -2 -6005 -J1A)
10-32 UNF Thread Elbow with 1/4" Hex to 200 Series Barb, 1/16" (1.6 mm) ID Tubing



XL410 (-1 -2 -6005 -J1A)
10-32 Special Tapered Thread Elbow with 1/4" Hex to 400 Series Barb, 1/16" (1.6 mm) ID Tubing



KL410 (-1 -2 -6005 -J1A)
10-32 UNF Thread Elbow with 1/4" Hex to 400 Series Barb, 1/16" (1.6 mm) ID Tubing



XL220 (-1 -2 -6005 -J1A)
10-32 Special Tapered Thread Elbow with 1/4" Hex to 200 Series Barb, 3/32" (2.4 mm) ID Tubing



KL220 (-1 -2 -6005 -J1A)
10-32 UNF Thread Elbow with 1/4" Hex to 200 Series Barb, 3/32" (2.4 mm) ID Tubing



XL420 (-1 -2 -6005 -J1A)
10-32 Special Tapered Thread Elbow with 1/4" Hex to 400 Series Barb, 3/32" (2.4 mm) ID Tubing



KL420 (-1 -2 -6005 -J1A)
10-32 UNF Thread Elbow with 1/4" Hex to 400 Series Barb, 3/32" (2.4 mm) ID Tubing



XL230 (-1 -2 -6005 -J1A)
10-32 Special Tapered Thread Elbow with 1/4" Hex to 200 Series Barb, 1/8" (3.2 mm) ID Tubing



KL230 (-1 -2 -6005 -J1A)
10-32 UNF Thread Elbow with 1/4" Hex to 200 Series Barb, 1/8" (3.2 mm) ID Tubing



XL430 (-1 -2 -6005 -J1A)
10-32 Special Tapered Thread Elbow with 1/4" Hex to 400 Series Barb, 1/8" (3.2 mm) ID Tubing



KL430 (-1 -2 -6005 -J1A)
10-32 UNF Thread Elbow with 1/4" Hex to 400 Series Barb, 1/8" (3.2 mm) ID Tubing



THREADED FITTINGS

Resin Reference

- Pg 82** Chemical Resistance
- Pg 83** Regulatory Status
- Pg 84** Sterilization Stability
- Pg 85** Typical Properties

Technical Assistance

Trying to choose the correct part? Need more material information than is published in this catalog? Call Value Plastics Technical support **(970) 267-5200**

THREAD:

10-32 UNF, Special Tapered Thread Tee

XT210 (-1 -2 -6005 -J1A)

10-32 Special Tapered Thread Tee with 1/4" Hex to 200 Series Barb, 1/16" (1.6 mm) ID Tubing



KT210 (-1 -2 -6005 -J1A)

10-32 UNF Thread Tee with 1/4" Hex to 200 Series Barb, 1/16" (1.6 mm) ID Tubing



XT410 (-1 -2 -6005 -J1A)

10-32 Special Tapered Thread Tee with 1/4" Hex to 400 Series Barb, 1/16" (1.6 mm) ID Tubing



KT410 (-1 -2 -6005 -J1A)

10-32 UNF Thread Tee with 1/4" Hex to 400 Series Barb, 1/16" (1.6 mm) ID Tubing



XT220 (-1 -2 -6005 -J1A)

10-32 Special Tapered Thread Tee with 1/4" Hex to 200 Series Barb, 3/32" (2.4 mm) ID Tubing



KT220 (-1 -2 -6005 -J1A)

10-32 UNF Thread Tee with 1/4" Hex to 200 Series Barb, 3/32" (2.4 mm) ID Tubing



XT420 (-1 -2 -6005 -J1A)

10-32 Special Tapered Thread Tee with 1/4" Hex to 400 Series Barb, 3/32" (2.4 mm) ID Tubing



KT420 (-1 -2 -6005 -J1A)

10-32 UNF Thread Tee with 1/4" Hex to 400 Series Barb, 3/32" (2.4 mm) ID Tubing



XT230 (-1 -2 -6005 -J1A)

10-32 Special Tapered Thread Tee with 1/4" Hex to 200 Series Barb, 1/8" (3.2 mm) ID Tubing



KT230 (-1 -2 -6005 -J1A)

10-32 UNF Thread Tee with 1/4" Hex to 200 Series Barb, 1/8" (3.2 mm) ID Tubing



XT430 (-1 -2 -6005 -J1A)

10-32 Special Tapered Thread Tee with 1/4" Hex to 400 Series Barb, 1/8" (3.2 mm) ID Tubing



KT430 (-1 -2 -6005 -J1A)

10-32 UNF Thread Tee with 1/4" Hex to 400 Series Barb, 1/8" (3.2 mm) ID Tubing



61

Material Reference

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

THREADED FITTINGS

Part Drawings Online!

Value Plastics provides dimensional drawings available for download for all of its fittings.

www.valueplastics.com

Resin Reference

- Pg 82 Chemical Resistance
- Pg 83 Regulatory Status
- Pg 84 Sterilization Stability
- Pg 85 Typical Properties

THREAD:

10-32 UNF, Special Tapered Thread Couplers and Plugs

THREAD:

1/4-28 UNF

XN (-1 -2 -6005 -J1A)

10-32 Special Tapered Thread Coupler with 1/4" Hex



KN (-1 -2 -6005 -J1A)

10-32 UNF Thread Coupler with 1/4" Hex



XP (-1 -2 -6005 -J1A)

10-32 Special Tapered Thread Plug with 1/4" Hex



KP (-1 -2 -6005 -J1A)

10-32 UNF Thread Plug with 1/4" Hex



S210 (-1 -2 -6005 -J1A)

1/4-28 UNF Thread with 5/16" Hex to 200 Series Barb, 1/16" (1.6 mm) ID Tubing



S410 (-1 -2 -6005 -J1A)

1/4-28 UNF Thread with 5/16" Hex to 400 Series Barb, 1/16" (1.6 mm) ID Tubing



S10 (-1 -2 -6005 -J1A)

1/4-28 UNF Thread with 5/16" Hex to Classic Series Barb, 1/16" (1.6 mm) ID Tubing



S220 (-1 -2 -6005 -J1A)

1/4-28 UNF Thread with 5/16" Hex to 200 Series Barb, 3/32" (2.4 mm) ID Tubing



S420 (-1 -2 -6005 -J1A)

1/4-28 UNF Thread with 5/16" Hex to 400 Series Barb, 3/32" (2.4 mm) ID Tubing



S20 (-1 -2 -6005 -J1A)

1/4-28 UNF Thread with 5/16" Hex to Classic Series Barb, 3/32" (2.4 mm) ID Tubing



S230 (-1 -2 -6005 -J1A)

1/4-28 UNF Thread with 5/16" Hex to 200 Series Barb, 1/8" (3.2 mm) ID Tubing



S430 (-1 -2 -6005 -J1A)

1/4-28 UNF Thread with 5/16" Hex to 400 Series Barb, 1/8" (3.2 mm) ID Tubing



THREADED FITTINGS

Looking for Something Different?

Most of our best product ideas have come from you, our customers. While we pride ourselves on our extensive product offering, we recognize that your needs are ever-changing and that our products, too, must adapt to your needs.

If there's a new product you think Value Plastics should make, drop an email to designcenter@valueplastics.com describing your product concept in as much detail as you desire. We will contact you with any questions, and who knows - the next catalog edition could include products YOU told us to build.

See [page 8](#) for more information on the Design Center!



Resin Reference

Pg 82 Chemical Resistance

Pg 83 Regulatory Status

Pg 84 Sterilization Stability

Pg 85 Typical Properties

THREAD:
1/4-28 UNF

S30 (-1 -2 -6005 -J1A)

1/4-28 UNF Thread with 5/16" Hex to Classic Series Barb, 1/8" (3.2 mm) ID Tubing



S240 (-1 -2 -6005 -J1A)

1/4-28 UNF Thread with 5/16" Hex to 200 Series Barb, 5/32" (4.0 mm) ID Tubing



S40 (-1 -2 -6005 -J1A)

1/4-28 UNF Thread with 5/16" Hex to Classic Series Barb, 5/32" (4.0 mm) ID Tubing



S445 (-1 -2 -6005 -J1A)

1/4-28 UNF Thread with 5/16" Hex to 400 Series Barb, .170" (4.3 mm) ID Tubing



S250 (-1 -2 -6005 -J1A)

1/4-28 UNF Thread with 5/16" Hex to 200 Series Barb, 3/16" (4.8 mm) ID Tubing



S450 (-1 -2 -6005 -J1A)

1/4-28 UNF Thread with 5/16" Hex to 400 Series Barb, 3/16" (4.8 mm) ID Tubing



S50 (-1 -2 -6005 -J1A)

1/4-28 UNF Thread with 5/16" Hex to Classic Series Barb, 3/16" (4.8 mm) ID Tubing



SP (-1 -2 -6005 -J1A)

1/4-28 UNF Thread Plug with 5/16" Hex



THREAD:
1/4-28 UNF Bottom Sealing

ABR004-6005 UNDER (-1 -2 -3 -4 -5)

1/4-28 UNF Bottom Sealing Rotating Thread with 5/16" Hex to 500 Series Barb, 1/16" (1.6 mm) ID Tubing



Recommended torque:
Polypropylene - 1.5-2 in. lbs.
Kynar® - 2-4 in. lbs.

ABR004-J1A UNDER (-1 -2 -3 -4 -5 -J1A)

1/4-28 UNF Bottom Sealing Rotating Thread with 5/16" Hex to 500 Series Barb, 1/16" (1.6 mm) ID Tubing



Recommended torque:
Polypropylene - 1.5-2 in. lbs.
Kynar® - 2-4 in. lbs.

ABR007-6005 UNDER (-1 -2 -3 -4 -5)

1/4-28 UNF Bottom Sealing Rotating Thread with 5/16" Hex to 500 Series Barb, 3/32" (2.4 mm) ID Tubing



Recommended torque:
Polypropylene - 1.5-2 in. lbs.
Kynar® - 2-4 in. lbs.

ABR007-J1A UNDER (-1 -2 -3 -4 -5 -J1A)

1/4-28 UNF Bottom Sealing Rotating Thread with 5/16" Hex to 500 Series Barb, 3/32" (2.4 mm) ID Tubing



Recommended torque:
Polypropylene - 1.5-2 in. lbs.
Kynar® - 2-4 in. lbs.

ABR013-6005 UNDER (-1 -2 -3 -4 -5)

1/4-28 UNF Bottom Sealing Rotating Thread with 5/16" Hex to 500 Series Barb, 1/8" (3.2 mm) ID Tubing



Recommended torque:
Polypropylene - 1.5-2 in. lbs.
Kynar® - 2-4 in. lbs.

ABR013-J1A UNDER (-1 -2 -3 -4 -5 -J1A)

1/4-28 UNF Bottom Sealing Rotating Thread with 5/16" Hex to 500 Series Barb, 1/8" (3.2 mm) ID Tubing



Recommended torque:
Polypropylene - 1.5-2 in. lbs.
Kynar® - 2-4 in. lbs.

TECS116 (-6005 -J1A)

1/4-28 UNF Bottom Sealing Thread Tube End Coupler with 5/16" Hex, 1/16" (1.6 mm) OD Tubing



TECS118 (-6005 -J1A)

1/4-28 UNF Bottom Sealing Thread Tube End Coupler with 5/16" Hex, 1/8" (3.2 mm) OD Tubing



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Material Reference

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

THREADED FITTINGS

Resin Reference

- Pg 82 Chemical Resistance
- Pg 83 Regulatory Status
- Pg 84 Sterilization Stability
- Pg 85 Typical Properties

M6210 (-1 -2 -6005)
M6x1 Thread with 5/16" Hex to 200 Series Barb, 1/16" (1.6 mm) ID Tubing



M6410 (-1 -2 -6005 -J1A)
M6x1 Thread with 5/16" Hex to 400 Series Barb, 1/16" (1.6 mm) ID Tubing



M6220 (-1 -2 -6005 -J1A)
M6x1 Thread with 5/16" Hex to 200 Series Barb, 3/32" (2.4 mm) ID Tubing



M6420 (-1 -2 -6005 -J1A)
M6x1 Thread with 5/16" Hex to 400 Series Barb, 3/32" (2.4 mm) ID Tubing



M6230 (-1 -2 -6005 -J1A)
M6x1 Thread with 5/16" Hex to 200 Series Barb, 1/8" (3.2 mm) ID Tubing



M6430 (-1 -2 -6005 -J1A)
M6x1 Thread with 5/16" Hex to 400 Series Barb, 1/8" (3.2 mm) ID Tubing



M6240 (-1 -2 -6005 -J1A)
M6x1 Thread with 5/16" Hex to 200 Series Barb, 5/32" (4.0 mm) ID Tubing



M6445 (-1 -2 -6005 -J1A)
M6x1 Thread with 5/16" Hex to 400 Series Barb, .170" (4.3 mm) ID Tubing



M6250 (-1 -2 -6005 -J1A)
M6x1 Thread with 5/16" Hex to 200 Series Barb, 3/16" (4.8 mm) ID Tubing



M6450 (-1 -2 -6005 -J1A)
M6x1 Thread with 5/16" Hex to 400 Series Barb, 3/16" (4.8 mm) ID Tubing



M6P (-1 -2 -6005 -J1A)
M6x1 Thread Plug with 5/16" Hex



M5210 (-1 -2 -6005)
M5x.8 Thread with 1/4" Hex to 200 Series Barb, 1/16" (1.6 mm) ID Tubing



M5220 (-1 -2 -6005)
M5x.8 Thread with 1/4" Hex to 200 Series Barb, 3/32" (2.4 mm) ID Tubing



M5230 (-1 -2 -6005)
M5x.8 Thread with 1/4" Hex to 200 Series Barb, 1/8" (3.2 mm) ID Tubing



M5240 (-1 -2 -6005)
M5x.8 Thread with 1/4" Hex to 200 Series Barb, 5/32" (4.0 mm) ID Tubing



THREADED FITTINGS

Part Drawings Online!

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www.valueplastics.com

Technical Assistance

Trying to choose the correct part? Need more material information than is published in this catalog? Call Value Plastics Technical support **(970) 267-5200**

Pg 82 Chemical Resistance

Pg 83 Regulatory Status

Pg 84 Sterilization Stability

Pg 85 Typical Properties

16210 (-1 -2 -6005 -J1A)

1/16-27 NPT Thread with 5/16" Hex to 200 Series Barb, 1/16" (1.6 mm) ID Tubing



1630 (-1 -2 -6005 -J1A)

1/16-27 NPT Thread with 5/16" Hex to Classic Series Barb, 1/8" (3.2 mm) ID Tubing



16410 (-1 -2 -6005 -J1A)

1/16-27 NPT Thread with 5/16" Hex to 400 Series Barb, 1/16" (1.6 mm) ID Tubing



16240 (-1 -2 -6005 -J1A)

1/16-27 NPT Thread with 5/16" Hex to 200 Series Barb, 5/32" (4.0 mm) ID Tubing



1610 (-1 -2 -6005 -J1A)

1/16-27 NPT Thread with 5/16" Hex to Classic Series Barb, 1/16" (1.6 mm) ID Tubing



1640 (-1 -2 -6005 -J1A)

1/16-27 NPT Thread with 5/16" Hex to Classic Series Barb, 5/32" (4.0 mm) ID Tubing



16220 (-1 -2 -6005 -J1A)

1/16-27 NPT Thread with 5/16" Hex to 200 Series Barb, 3/32" (2.4 mm) ID Tubing



16445 (-1 -2 -6005 -J1A)

1/16-27 NPT Thread with 5/16" Hex to 400 Series Barb, .170" (4.3 mm) ID Tubing



16420 (-1 -2 -6005 -J1A)

1/16-27 NPT Thread with 5/16" Hex to 400 Series Barb, 3/32" (2.4 mm) ID Tubing



16250 (-1 -2 -6005 -J1A)

1/16-27 NPT Thread with 5/16" Hex to 200 Series Barb, 3/16" (4.8 mm) ID Tubing



1620 (-1 -2 -6005 -J1A)

1/16-27 NPT Thread with 5/16" Hex to Classic Series Barb, 3/32" (2.4 mm) ID Tubing



16450 (-1 -2 -6005 -J1A)

1/16-27 NPT Thread with 5/16" Hex to 400 Series Barb, 3/16" (4.8 mm) ID Tubing



16230 (-1 -2 -6005 -J1A)

1/16-27 NPT Thread with 5/16" Hex to 200 Series Barb, 1/8" (3.2 mm) ID Tubing



1650 (-1 -2 -6005 -J1A)

1/16-27 NPT Thread with 5/16" Hex to Classic Series Barb, 3/16" (4.8 mm) ID Tubing



16430 (-1 -2 -6005 -J1A)

1/16-27 NPT Thread with 5/16" Hex to 400 Series Barb, 1/8" (3.2 mm) ID Tubing



1600 (-1 -2 -6005 -J1A)

1/16-27 NPT Thread Plug with 5/16" Hex



**THREADED
FITTINGS**

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

Resin Reference

- Pg 82** Chemical Resistance
- Pg 83** Regulatory Status
- Pg 84** Sterilization Stability
- Pg 85** Typical Properties

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

THREADED FITTINGS

18210 (-1 -2 -6005 -J1A)
1/8-27 NPT Thread with 7/16" Hex to 200 Series Barb, 1/16" (1.6 mm) ID Tubing



18410 (-1 -2 -6005 -J1A)
1/8-27 NPT Thread with 7/16" Hex to 400 Series Barb, 1/16" (1.6 mm) ID Tubing



1810 (-1 -2 -6005 -J1A)
1/8-27 NPT Thread with 7/16" Hex to Classic Series Barb, 1/16" (1.6 mm) ID Tubing



18220 (-1 -2 -6005 -J1A)
1/8-27 NPT Thread with 7/16" Hex to 200 Series Barb, 3/32" (2.4 mm) ID Tubing



18420 (-1 -2 -6005 -J1A)
1/8-27 NPT Thread with 7/16" Hex to 400 Series Barb, 3/32" (2.4 mm) ID Tubing



1820 (-1 -2 -6005 -J1A)
1/8-27 NPT Thread with 7/16" Hex to Classic Series Barb, 3/32" (2.4 mm) ID Tubing



18230 (-1 -2 -6005 -J1A)
1/8-27 NPT Thread with 7/16" Hex to 200 Series Barb, 1/8" (3.2 mm) ID Tubing



18430 (-1 -2 -6005 -J1A)
1/8-27 NPT Thread with 7/16" Hex to 400 Series Barb, 1/8" (3.2 mm) ID Tubing



1830 (-1 -2 -6005 -J1A)
1/8-27 NPT Thread with 7/16" Hex to Classic Series Barb, 1/8" (3.2 mm) ID Tubing



18240 (-1 -2 -6005 -J1A)
1/8-27 NPT Thread with 7/16" Hex to 200 Series Barb, 5/32" (4.0 mm) ID Tubing



1840 (-1 -2 -6005 -J1A)
1/8-27 NPT Thread with 7/16" Hex to Classic Series Barb, 5/32" (4.0 mm) ID Tubing



18445 (-1 -2 -6005 -J1A)
1/8-27 NPT Thread with 7/16" Hex to 400 Series Barb, .170" (4.3 mm) ID Tubing



1850 (-1 -2 -6005 -J1A)
1/8-27 NPT Thread with 7/16" Hex to Classic Series Barb, 3/16" (4.8 mm) ID Tubing



1860 (-1 -2 -6005 -J1A)
1/8-27 NPT Thread with 7/16" Hex to Classic Series Barb, 1/4" (6.4 mm) ID Tubing



- Pg 82** Chemical Resistance
- Pg 83** Regulatory Status
- Pg 84** Sterilization Stability
- Pg 85** Typical Properties

THREAD:
1/8-27 NPT Elbows

18L230 (-1 -2 -6005 -J1A)

1/8-27 NPT Thread Elbow with 7/16" Hex to 200 Series Barb, 1/8" (3.2 mm) ID Tubing



18L250 (-1 -2 -6005 -J1A)

1/8-27 NPT Thread Elbow with 7/16" Hex to 200 Series Barb, 3/16" (4.8 mm) ID Tubing



18L260 (-1 -2 -6005 -J1A)

1/8-27 NPT Thread Elbow with 7/16" Hex to 200 Series Barb, 1/4" (6.4 mm) ID Tubing



THREAD:
1/8-27 NPT Tees

18T250 (-1 -2 -6005 -J1A)

1/8-27 NPT Thread Tee with 7/16" Hex to 200 Series Barb, 3/16" (4.8 mm) ID Tubing



18T260 (-1 -2 -6005 -J1A)

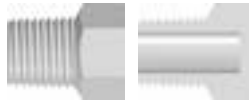
1/8-27 NPT Thread Tee with 7/16" Hex to 200 Series Barb, 1/4" (6.4 mm) ID Tubing



THREAD:
1/8-27 NPT Plugs

1800 (-1 -2 -6005 -J1A)

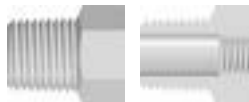
1/8-27 NPT Thread Plug with 7/16" Hex



THREAD:
1/8-27 NPT Reducers

1801 (-1 -2 -6005 -J1A)

Reducer with 1/8-27 NPT Male Thread and 7/16" Hex to 10-32 UNF Female Thread



1802 (-1 -2 -6005 -J1A)

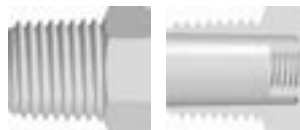
Reducer with 1/8-27 NPT Male Thread and 7/16" Hex to 1/4-28 UNF Female Thread



THREAD:
1/4-18 NPT Reducers

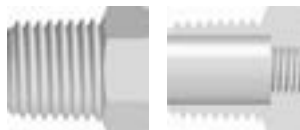
1401 (-1 -2 -6005 -J1A)

Reducer with 1/4-18 NPT Male Thread and 9/16" Hex to 10-32 UNF Female Thread



1402 (-1 -2 -6005 -J1A)

Reducer with 1/4-18 NPT Male Thread and 9/16" Hex to 1/4-28 UNF Female Thread



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Material Reference

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

THREADED FITTINGS

Need samples for evaluation?

You can call to request most of our standard product in quantities of 5, or less, for free application evaluation.

+1 (970) 267-5200 Toll Free: (888) 404-5837

Resin Reference

- Pg 82** Chemical Resistance
- Pg 83** Regulatory Status
- Pg 84** Sterilization Stability
- Pg 85** Typical Properties

BUILD-A-PART

FITTINGS



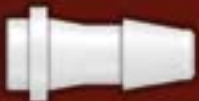
Junction Blocks PG-69



Accessories PG-70



Barbs PG-70



Threads PG-71



Bonding Suggestions

Prior to actually bonding, press together a model of the manifold to use as a reference.

Do not mix plastic resins. Consult your adhesive specialist if you need to bond dissimilar materials.

These components are designed for bonding with any one of a number of solvents, but other adhesive systems may be used. When solvent bonding, use a very small gauge needle (typically 27 or 30) for best solvent control. Consult your adhesive specialist for guidance on other systems.

Apply solvent sparingly. Most solvents are low viscosity and readily wick into the bondline. Excessive solvent may compromise the aesthetics and the function of the assembly.

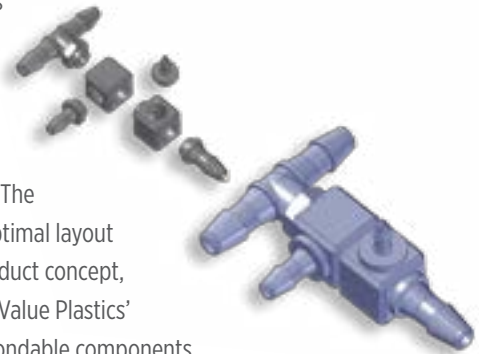
Press the mating components together leaving a .01-.03" gap between them for the solvent. Place the components in an orientation such that they may be rotated ¼ turn to their final position after applying the solvent.

After applying solvent, wait a few seconds, then rotate the components to their final position. When making a long manifold with bondable junction blocks it may be helpful to push the assembly against a flat surface to align the blocks before the solvent has set.

Affordable Unique Solutions:

Design Your New Component with Build-A-Part® bondable components!

Component designers no longer need be constrained by the limitations of injection molding tool design. The exact fitting, in the optimal layout for the process or product concept, is now available with Value Plastics' line of Build-a-Part bondable components, designed for use with gases or liquids.



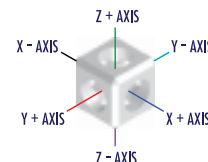
The Build-a-Part system is based on combining interchangeable components, joining junction blocks and luer, hose barb or threaded features to create the desired configuration. The features are bonded to the junction blocks using commonly available adhesives. Junction blocks and features may be bonded together to create multi-port, multi-axis products that receive and redirect fluid flow in whatever direction the designer desires. The only limitation is the designer's imagination.

114 component options are available from stock in two primary materials. Options include ISO 594-1 compliant male and female luers and hose barbs in 1/16" (1.6 mm), 3/32" (2.4 mm) and 1/8" (3.2 mm) in straight, elbow and branch tee configurations. Also available are male threads including 10-32 UNF, 1/16-27 NPT, 1/8-27 NPT, 1/4-28 UNF and M6x1 versions, and mounting devices.

The complete range is available in two primary resins: white ABS or translucent polysulfone. For ease of testing concepts, Value Plastics offers designer kits in both resins. Each kit contains hundreds of components for prototype purposes, enabling designs to be created and modified prior to production commitment.

BLOCK	NUMBER	MATERIAL
Build-A-Part Junction Blocks. See Configuration Table for specifications.		
	BDJ01-40	Polysulfone
	BDJ01-81	Lace White ABS
	BDJ02-40	Polysulfone
	BDJ02-81	Lace White ABS
	BDJ03-40	Polysulfone
	BDJ03-81	Lace White ABS
	BDJ04-40	Polysulfone
	BDJ04-81	Lace White ABS
	BDJ05-40	Polysulfone
	BDJ05-81	Lace White ABS
	BDJ06-40	Polysulfone
	BDJ06-81	Lace White ABS
	BDJ07-40	Polysulfone
	BDJ07-81	Lace White ABS
	BDJ08-40	Polysulfone
	BDJ08-81	Lace White ABS
	BDJ09-40	Polysulfone
	BDJ09-81	Lace White ABS
	BDJ10-40	Polysulfone
	BDJ10-81	Lace White ABS
	BDJ11-40	Polysulfone
	BDJ11-81	Lace White ABS
	BDJ12-40	Polysulfone
	BDJ12-81	Lace White ABS
	BDJ13-40	Polysulfone
	BDJ13-81	Lace White ABS
	BDJ14-40*	Polysulfone
	BDJ14-81*	Lace White ABS
	BDJ15-40*	Polysulfone
	BDJ15-81*	Lace White ABS

BLOCK	NUMBER	MATERIAL
Build-A-Part Junction Blocks with Mounting Port. See Config. Table below for specifications.		
	BDJ16-40*	Polysulfone
	BDJ16-81*	Lace White ABS
	BDJ17-40*	Polysulfone
	BDJ17-81*	Lace White ABS
	BDJ18-40	Polysulfone
	BDJ18-81	Lace White ABS
	BDJ19-40	Polysulfone
	BDJ19-81	Lace White ABS
	BDJ20-40	Polysulfone
	BDJ20-81	Lace White ABS
	BDJ21-40	Polysulfone
	BDJ21-81	Lace White ABS
	BDJ22-40	Polysulfone
	BDJ22-81	Lace White ABS


Build-A-Part Junction Block Configuration Table

BLOCK	X+ AXIS	X- AXIS	Y+ AXIS	Y- AXIS	Z+ AXIS	Z- AXIS
BDJ01	Female	Female				
BDJ02			Female		Female	
BDJ03			Female		Female	Female
BDJ04	Female	Female	Female	Female		
BDJ05	Female		Female		Female	
BDJ06	Female		Female		Female	Female
BDJ07	Female	Female	Female	Female	Female	
BDJ08	Female	Female	Female	Female	Female	Female
BDJ09	Male	Female	Female		Female	Female
BDJ10	Male	Female	Female	Female	Female	Female
BDJ11	Male	Female	Female	Female		
BDJ12	Male	Female	Female			
BDJ13	Male	Female	Female		Female	
BDJ14	Male	Female				
BDJ15	Female	Female				
BDJ16	Female	Female		Female ^a		
BDJ17	Male	Female	Female ^a			
BDJ18	Male ^b	Female	Female		Female	Female
BDJ19	Male ^b	Female	Female	Female	Female	Female
BDJ20	Male ^b	Female	Female	Female		
BDJ21	Male ^b	Female	Female			
BDJ22	Male ^b	Female	Female		Female	

^aFor non-flow manifolding ^bFor use with BDMD

*Check valve junction block. For use with RB01 and SB01

BUILD-A-PART

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

Resin Reference

- Pg 82 Chemical Resistance
- Pg 83 Regulatory Status
- Pg 84 Sterilization Stability
- Pg 85 Typical Properties

- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

RB01 (-X2) SB01 (-X0)
Check Valve Ball 5/32" Diameter



BDMRP (-40 -81)
Bondable Plug



BDMD (-40 -81)
Bondable Mounting Device



BDMFTLL (-40 -81 -9)
Bondable Female Luer Thread Style



BDMMTL (-40 -81)
Bondable Male Luer (May be used with separate rotating lock ring; RMLLR)



RMLLR (-1 -2 -3 -4 -5 -06 -07 -6005 -9 -9002 -J1A)
Rotating Male Luer Lock Ring (For use with BDMMTL)



BDMR210 (-40 -81 -9 -9002)
Bondable 200 Series Barb, 1/16" (1.6 mm) ID Tubing



BDMR410 (-40 -81)
Bondable 400 Series Barb, 1/16" (1.6 mm) ID Tubing



BDMR220 (-40 -81)
Bondable 200 Series Barb, 3/32" (2.4 mm) ID Tubing



BDMR420 (-40 -81)
Bondable 400 Series Barb, 3/32" (2.4 mm) ID Tubing



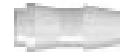
BDMR230 (-40 -81)
Bondable 200 Series Barb, 1/8" (3.2 mm) ID Tubing



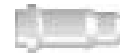
BDMR430 (-40 -81)
Bondable 400 Series Barb, 1/8" (3.2 mm) ID Tubing



BDMR240 (-40 -6005 -81)
Bondable 200 Series Barb, 5/32" (4.0 mm) ID Tubing



BDMR445 (-40 -81)
Bondable 400 Series Barb, .170" (4.3 mm) ID Tubing



BDML210 (-40 -81 -9)
Bondable Elbow 200 Series Barb, 1/16" (1.6 mm) ID Tubing



BDML410 (-40 -81)
Bondable Elbow 400 Series Barb, 1/16" (1.6 mm) ID Tubing



BDML220 (-40 -81 -9)
Bondable Elbow 200 Series Barb, 3/32" (2.4 mm) ID Tubing



BDML420 (-40 -81)
Bondable Elbow 400 Series Barb, 3/32" (2.4 mm) ID Tubing



BDML230 (-40 -81)
Bondable Elbow 200 Series Barb, 1/8" (3.2 mm) ID Tubing



BDML430 (-40 -81)
Bondable Elbow 400 Series Barb, 1/8" (3.2 mm) ID Tubing



BUILD-A
PART

Resin Reference

- Pg 82** Chemical Resistance
- Pg 83** Regulatory Status
- Pg 84** Sterilization Stability
- Pg 85** Typical Properties

BUILD-A-PART:

Tees

BDMT210 (-40 -81)

Bondable Tee 200 Series Barb, 1/16" (1.6 mm) ID Tubing



BDMT410 (-40 -81)

Bondable Tee 400 Series Barb, 1/16" (1.6 mm) ID Tubing



BDMT220 (-40 -81)

Bondable Tee 200 Series Barb, 3/32" (2.4 mm) ID Tubing



BDMT420 (-40 -81)

Bondable Tee 400 Series Barb, 3/32" (2.4 mm) ID Tubing



BDMT230 (-40 -81)

Bondable Tee 200 Series Barb, 1/8" (3.2 mm) ID Tubing



BDMT430 (-40 -81)

Bondable Tee 400 Series Barb, 1/8" (3.2 mm) ID Tubing



Need it fast?

You can order any of our 4,000+ parts online now with no order \$ minimums, 24 hours a day, 7 days a week!

www.valueplastics.com

BUILD-A-PART:

Threads

BDMX (-40 -81)

Bondable 10-32 Special Tapered Thread with 1/4" Hex



BDMK (-40 -81)

Bondable 10-32 UNF Thread with 1/4" Hex



BDS (-81)

Bondable 1/4-28 UNF Thread with 5/16" Hex



BDM6 (-40 -81)

Bondable M6x1 Thread with 5/16" Hex



BDM16 (-40 -81)

Bondable 1/16-27 NPT Thread with 5/16" Hex



BDM18 (-40 -81)

Bondable 1/8-27 NPT Thread with 7/16" Hex



BDF16 (-40 -81)

Bondable 1/16-27 NPT Thread with 5/16" Hex



BDF18 (-40 -81)

Bondable 1/8-27 NPT Thread with 7/16" Hex



BDFM6 (-40 -81)

Bondable M6x1 Thread with 5/16" Hex



BDFS (-40 -81)

Bondable 1/4-28 UNF Thread with 5/16" Hex



- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

BUILD-A
PART

Resin Reference

- Pg 82 Chemical Resistance
- Pg 83 Regulatory Status
- Pg 84 Sterilization Stability
- Pg 85 Typical Properties

OTHER COMPONENTS



Check Valves
PG-72



Clamps
PG-72



Injection Sites
PG-73



Stopcocks
PG-73



Spikes
PG-73



Tubing
PG-74



Designer Kits
PG-75



Tubesetter Assembly Tool
PG-77



OTHER COMPONENTS: Components

VPS5401068N (Polycarbonate with Silicone Disk)

Check Valve, Male/Female Luer, 420 mL/min flow rate at 1 M head 30 psi back pressure, 1/4 psi inlet cracking pressure



VPS5401020N (Polycarbonate with Silicone Disk)

Check Valve, Male/Female Luer, 129 mL/min flow rate at 100mmHg, 45 psi back pressure, 1-5 psi inlet cracking pressure



VPS5401036SN (Polycarbonate with Silicone Disk)

Reflux Check Valve, Male/Female Luer, 350mL/min flow Rate at 1 M head, 45 psi back pressure, opens at 284 mmHg



VPS5401001N (ABS Housing with Silicone Disk)

Check Valve, Male Slip Luer, 420 mL/min flow rate at 1M head, 30 psi back pressure, 1/4 psi inlet cracking pressure



VPM2930601N (White ABS)

Tube Clamp with split, 1/8" (3.2 mm) OD Tubing



VPS3901074N (Polyisoprene with ABS Acrylic Body)
IN-4000 Intermittent Injection Site to Male Luer Lock



VPM1060200N (Clear Low Density Polyethylene)
Long Spike Guard Closed at Tip



VPM0480201N (White Polyethylene)
Luer Tip Syringe Cap



VPB0850400N (Clear ABS)
Female Luer Thread Style Coupler



VPM1080303N (Blue Polyethylene)
Male Luer Integral Lock Ring Plug



VPB1000050N (Polycarbonate Body with Polyethylene Handle)
One Way Stopcock, Capped Male Luer Lock to Capped Female Luer Thread Style



VPB1000055N (Polycarbonate Body with Polyethylene Handle)
One way Stopcock, Male Slip Luer to Capped Female Luer Thread Style



VPB1000079N (Polycarbonate Body with Polyethylene Handle)
Three Way Stopcock, (2) Capped Female Luer Thread Style and Capped Male Luer Lock



VPB1000062N (Polycarbonate Body with Polyethylene Handle)
Three Way Stopcock, (2) Female Luer Thread Style and Male Slip Luer



VPB1000099N (Polycarbonate Body with Polyethylene Handle)
Four Way Stopcock, (2) Capped Female Luer Thread Style and Male Slip Luer



VPB1000110N (Polycarbonate Body with Polyethylene Handle)
Four Way Stopcock, (2) Capped Female Luer Thread Style & Capped Male Luer Lock



VPS5069200N (White ABS Spike with Clear LDPE Guard)
Bag Spike with vented guard (replaces VPS5069700N)



- 001 (various, see part description)
- 06 Orange Nylon
- 07 Yellow Nylon
- 0 Natural Nylon
- 1 White Nylon
- 2 Black Nylon
- 3 Red Nylon
- 4 Green Nylon
- 5 Blue Nylon
- 7 Glass Filled Natural Nylon
- 8 Gray Nylon
- 8B Gray Nylon
- 9 Clear Polycarbonate
- 10 Acetal
- 40 Polysulfone
- 81 Lace White ABS
- 91 White Polycarbonate
- 1006 Natural Acetal
- 1007 Black Acetal
- 6005 Animal-Free Polypropylene
- 6006 White Polypropylene
- 8003 Natural ABS
- 8012 White ABS
- 9002 Rad. Stable Polycarbonate
- 9010 Rad. Stable Polycarbonate
- B Buna-N O-ring
- CM030 Dark Blue Nylon
- E PTEE/EPDM
- EP EPDM O-ring
- J1A Natural Kynar PVDF
- J1A2 Black Kynar PVDF
- PX Platinum-Cured Silicone
- U71 White Class VI Glass Filled Nylon
- U75 Blue Class VI Glass Filled Nylon
- VP1 Animal-free Polyethylene
- X2 Buna-N Rubber
- XO Stainless Steel

- Pg 82** Chemical Resistance
- Pg 83** Regulatory Status
- Pg 84** Sterilization Stability
- Pg 85** Typical Properties

POLYVINYL CHLORIDE (PVC) TUBING**75 Durometer**

Our PVC tubing is a very cost effective product that can satisfy a broad array of end use applications. It is flexible in nature, optically clear, and easily sterilized.

Resin Grade & Technical Information:

This tubing is extruded from Unichem® 7511 G-015 resin, which is in compliance with all US Food & Drug Administration regulations for food grade use under Title 21 CFR. It is also certified USP Class VI. It can be sterilized by gamma radiation or Ethylene Oxide (EtO) gas. This tubing is not autoclavable.

DIMENSION (ID X OD X LGTH)	NUMBER
1/16" X 1/8" X 100'	PV00-1031C
1/16" X 1/8" X 1000'	PV00-1031M
3/32" X 3/16" X 100'	PV00-2047C
1/8" X 1/4" X 100'	PV00-3062C
1/8" X 1/4" X 1000'	PV00-3062M
3/16" X 5/16" X 100'	PV00-5062C
1/4" X 3/8" X 100'	PV00-6062C

POLYURETHANE TUBING**80 Durometer**

Our polyurethane tubing is extremely kink resistant. It is also highly resistant to abrasion and scuffing. It is widely accepted as a premium material for medical device use because of its flexible nature and easy sterilizability.

Resin Grade & Technical Information:

This tubing is extruded from Dow's® compound Pellethane 2363-80AE, which has passed USP Class VI testing. It can be sterilized by gamma radiation or Ethylene Oxide (EtO) gas. Please do not autoclave this tubing, as it may alter the chemical nature of the resin.

DIMENSION (ID X OD X LGTH)	NUMBER
1/16" X 1/8" X 100'	UR00-1031C
1/16" X 1/8" X 1000'	UR00-1031M
3/32" X 3/16" X 100'	UR00-2047C
3/32" X 3/16" X 1000'	UR00-2047M
1/8" X 1/4" X 100'	UR00-3062C

LOW DENSITY POLYETHYLENE TUBING**92 Durometer**

Our polyethylene tubing has excellent mechanical and chemical resistance properties. However, please use caution if your application involves possible bending or kinking the tubing. It is a semi-rigid material and will be permanently deformed if kinked or bent too tight.

Resin Grade & Technical Information:

This tubing is extruded from DuPont® 2020T, which is in compliance with all U.S. Food & Drug Administration regulations for food grade use under Title 21 CRF. It can be sterilized by gamma radiation or Ethylene Oxide (EtO) gas. Autoclaving is not recommended.

DIMENSION (ID X OD X LGTH)	NUMBER
1/16" X 1/10" X 100'	LDPE01-1019C
1/16" X 1/10" X 1000'	LDPE01-1019M
1/16" X 1/8" X 100'	LDPE01-1031C
1/16" X 1/8" X 1000'	LDPE01-1031M
3/32" X 5/32" X 100'	LDPE01-2031C
3/32" X 5/32" X 1000'	LDPE01-2031M
1/8" X 3/16" X 100'	LDPE01-3031C
1/8" X 3/16" X 1000'	LDPE01-3031M

ASSORTED DESIGNER KIT (Part number - ASSORTED KIT-001)

Our Assorted Kit provides a cross section of many components designed and manufactured by Value Plastics. This kit contains a variety of our popular components, including luers, tube-to-tube and threaded fittings. Please see www.valueplastics.com for a complete list of all included parts.



Note: Due to our ever increasing product line, Kit contents are subject to change without notice. Kits may include one or more of each component in a variety of materials.

LUER DESIGNER KIT (Part Number - LUER KIT-001)

Our Luer Kit contains male and female luers, luer plugs, couplers, tees, elbows as well as blood pressure cuff and monitor fittings. Luer tapers are made to ISO standards. Please see www.valueplastics.com for a complete list of all included parts.



Note: Due to our ever increasing product line, Kit contents are subject to change without notice. Kits may include one or more of each component in a variety of materials.

TUBE-TO-TUBE DESIGNER KIT (Part Number - TUBE-TO-TUBE KIT-001)

Our Tube-to-Tube Kit contains a variety of fittings in different configurations - and one that is sure to work for your application. Some of the fittings contained in this kit include straight-thru connectors, tees, elbows, Ys, and press-in plugs. Please see www.valueplastics.com for a complete list of all included parts.



Note: Due to our ever increasing product line, Kit contents are subject to change without notice. Kits may include one or more of each component in a variety of materials.

XQ DESIGNER KIT (Part Number - XQ KIT-001)

Our XQ Kit contains an assortment of XQ Series Quick Connect Fittings (Quick Disconnect Couplings). Please see www.valueplastics.com for a complete list of all included parts.



Note: Due to our ever increasing product line, Kit contents are subject to change without notice. Kits may include one or more of each component in a variety of materials.

BLOOD PRESSURE DESIGNER KIT (Part Number - BP KIT-001)

Our Blood Pressure Kit contains a variety of blood pressure fittings that are manufactured by Value Plastics. Some of the fittings contained in this kit include quick connect fittings, connectors, panel mounts and adaptors. Includes 30 different parts and 138 pieces, please see www.valueplastics.com for a complete list of all included parts.



Note: Due to our ever increasing product line, Kit contents are subject to change without notice. Kits may include one or more of each component in a variety of materials.

BIOPHARM DESIGNER KIT (Part Number - BIOPHARM KIT-001)

Our Biopharm Designer Kit contains a variety of fittings that are commonly found within the BioPharm market. Some of the fittings contained in this kit include our larger fittings of Y's, T's, elbows, straight through and reducing connectors ranging from 3/8" to 1", sanitary fittings and gaskets. Please see www.valueplastics.com for a complete list of all included parts.



Note: Due to our ever increasing product line, Kit contents are subject to change without notice. Kits may include one or more of each component in a variety of materials.

BUILD-A-PART DESIGNER KIT (Part Number - KIT01-81 -KIT01-40)

Our Build-A-Part Kits are available in two different materials: White ABS or Polysulfone. Contained in these kits are luers, elbows, tees, and junction blocks. Please see www.valueplastics.com for a complete list of all included parts.



Note: Due to our ever increasing product line, Kit contents are subject to change without notice. Kits may include one or more of each component in a variety of materials.

INK JET DESIGNER KIT (Part Number - INK JET KIT-001)

A cross section of many components designed and manufactured by Value Plastics. Includes luers, tube-to-tube and threaded fittings commonly used by Ink Jet Printer Manufacturers. Please see www.valueplastics.com for a complete list of all included parts.



Note: Due to our ever increasing product line, Kit contents are subject to change without notice. Kits may include one or more of each component in a variety of materials.

MANUAL TUBESETTER

Designed for rapid assembly of barb to tube connections, the Tubesetter assembly tool joins flexible tubing and Value Plastics' barbed fitting, applying the force necessary to push the tube over the barb. No external power source is needed. Made almost entirely of acetal plastic, the device is easy to clean and suitable for operation in most environments. Consider the Manual Small Fitting Tubesetter assembly tool for prototype assembly or lower-volume manufacturing needs.

Value Plastics' Tubesetter® assembly tool sets the standard for effortless tube set production. The Tubesetter product joins flexible tubing and Value Plastics' barbed fitting, applying the force necessary to push the tube over the barb, providing efficiency, economy and ease of use over other connection alternatives without adhesives or solvents!

Manual Tubesetter

- Easy to use
- Excellent for volumes up to 1,000 assemblies per month
- Accommodates tubing from 3/32" to 3/8" OD
- Configurable for: Luers - Straights - Ys - Tees - Elbows
- Requires no electricity or pneumatic power
- Long-life acetal construction



PART	DESCRIPTION
930B1A	Manual TUBESETTER® Base
930JS*	Standard Jaw Set
930AS*	Standard Flip Top Anvil
920PS*	Standard Pin Set Assembly

*The base manual TUBESETTER® unit requires a jaw set, anvil assembly and pin set assembly. An additional engineering fee may be required for a custom application.

Need more details?

Part drawings, minimum order quantities, and CAD requests can be found online. Visit www.valueplastics.com or contact Sales at sales@valueplastics.com

Technical Assistance

Trying to choose the correct part? Need more material information than is published in this catalog? Call Value Plastics Technical support **(970) 267-5200**

TECHNICAL INFORMATION



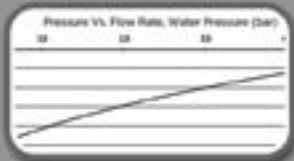
Barb Dimensions PG-79

200 SERIES			
BARB SIZE	BARB OD	%	IN
210	0.094	0:	1
220	0.140	0:	1
230	0.188	0:	1
240	0.234	0:	1

Barb Performance PG-80



BPF Series Performance PG-81



Panel Mount Instructions PG-81



Resin Information PG-82

CHEMICAL	%	TEMP C	TEMP F	RES
Acetic Acid	1%	20	70	Excell
Acetone	100%	10	50	Satisf
Acrylonitrile	100%	20	70	Satisf
Acrylonitrile	100%	20	70	---
Air	100%	10	50	Excell
Ammonia, Liquid	100%	20	70	Satisf
Ammonia, Gaseous	100%	10	50	Sat

Trademarks PG-85



Index PG-86



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 **700 SERIES** barb is designed for use with Value Plastics' XQ Series quick connect fittings. This unique single barb is available in sizes to fit the 1/4" (6.4 mm), 5/16" (7.9 mm) and 3/8" (9.5 mm) ID tubing sizes and materials commonly used in disposable and reusable medical equipment. Reinforced PVC, unreinforced PVC and polyurethane tubing materials work well with this barb style.



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.

CLASSIC SERIES



Barb Size	Barb OD	Barb ID	Tube Internal Diameter		
			Dec.	Frac.	Metric
10	0.105	0.046	0.063	1/16"	1.6 mm
20	0.145	0.060	0.094	3/32"	2.4 mm
30	0.187	0.078	0.125	1/8"	3.2 mm
40	0.234	0.100	0.156	5/32"	4.0 mm
50	0.280	0.130	0.188	3/16"	4.8 mm
60	0.355	0.187	0.250	1/4"	6.4 mm

200 SERIES



Barb Size	Barb OD	Barb ID	Tube Internal Diameter		
			Dec.	Frac.	Metric
210	0.094	0.047	0.063	1/16"	1.6 mm
220	0.141	0.070	0.094	3/32"	2.4 mm
230	0.188	0.094	0.125	1/8"	3.2 mm
240	0.234	0.117	0.156	5/32"	4.0 mm
250	0.282	0.141	0.188	3/16"	4.8 mm
260	0.375	0.188	0.250	1/4"	6.4 mm

300 SERIES



Barb Size	Barb OD	Barb ID	Tube Internal Diameter		
			Dec.	Frac.	Metric
360	0.338	0.192	0.250	1/4"	6.4 mm

400 SERIES



Barb Size	Barb OD	Barb ID	Tube Internal Diameter		
			Dec.	Frac.	Metric
410	0.078	0.046	0.063	1/16"	1.6 mm
420	0.117	0.068	0.094	3/32"	2.4 mm
430	0.156	0.092	0.125	1/8"	3.2 mm
440	0.206	0.125	0.156	5/32"	4.0 mm
445	0.213	0.125	0.170	-	4.3 mm
450	0.234	0.137	0.188	3/16"	4.8 mm
460	0.313	0.184	0.250	1/4"	6.4 mm

600 SERIES



Barb Size	Barb OD	Barb ID	Tube Internal Diameter		
			Dec.	Frac.	Metric
N655	0.335	0.181	0.250	1/4"	6.4 mm
N670	0.490	0.296	0.375	3/8"	9.5 mm
T670	0.490	0.286	0.375	3/8"	9.5 mm
Y670	0.490	0.296	0.375	3/8"	9.5 mm
N680	0.625	0.403	0.500	1/2"	12.7 mm
T680	0.625	0.399	0.500	1/2"	12.7 mm
Y680	0.625	0.401	0.500	1/2"	12.7 mm
N690	0.762	0.499	0.625	5/8"	16.0 mm
T690	0.762	0.483	0.625	5/8"	16.0 mm
N6100	0.900	0.615	0.750	3/4"	19.0 mm
L6110	1.180	0.799	1.000	1"	25.4 mm
N6110	1.180	0.804	1.000	1"	25.4 mm

500 SERIES



Barb Size	Barb OD	Barb ID	Tube Internal Diameter		
			Dec.	Frac.	Metric
004	0.102	0.060	0.063	1/16"	1.6 mm
007	0.129	0.076	0.094	3/32"	2.4 mm
013	0.164	0.096	0.125	1/8"	3.2 mm
025	0.208	0.122	0.156	5/32"	4.0 mm
035	0.264	0.155	0.188	3/16"	4.8 mm
055	0.335	0.197	0.250	1/4"	6.4 mm
065	0.425	0.250	0.312	5/16"	8.0 mm
N070	0.483	0.262	0.375	3/8"	9.5 mm
L070	0.483	0.251	0.375	3/8"	9.5 mm
T070	0.483	0.290	0.375	3/8"	9.5 mm
Y070	0.483	0.290	0.375	3/8"	9.5 mm
N080	0.613	0.333	0.500	1/2"	12.7 mm
L080	0.613	0.319	0.500	1/2"	12.7 mm
T080	0.613	0.356	0.500	1/2"	12.7 mm
Y080	0.613	0.362	0.500	1/2"	12.7 mm
N090	0.718	0.390	0.625	5/8"	16.0 mm
L090	0.718	0.374	0.625	5/8"	16.0 mm
T090	0.718	0.374	0.625	5/8"	16.0 mm
Y090	0.718	0.390	0.625	5/8"	16.0 mm
N100	0.853	0.465	0.750	3/4"	19.0 mm
L100	0.853	0.443	0.750	3/4"	19.0 mm
T100	0.853	0.447	0.750	3/4"	19.0 mm
Y100	0.853	0.492	0.750	3/4"	19.0 mm
N110	1.125	0.623	1.000	1"	25.4 mm
L110	1.125	0.600	1.000	1"	25.4 mm
T110	1.125	0.600	1.000	1"	25.4 mm
Y110	1.125	0.623	1.000	1"	25.4 mm

700 SERIES



Barb Size	Barb OD	Barb ID	Tube Internal Diameter		
			Dec.	Frac.	Metric
755	0.329	0.204	0.250	1/4"	6.4 mm
765	0.398	0.245	0.312	5/16"	7.9 mm
770	0.455	0.302	.375	3/8"	9.5 mm

900 SERIES



Barb Size	Barb OD	Barb ID	Tube Internal Diameter		
			Dec.	Frac.	Metric
970	0.437	0.269	0.375	3/8"	9.5 mm
975	0.573	0.358	0.500	1/2"	12.7 mm

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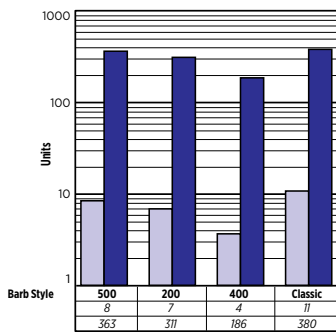
Tensile pull and burst tests were performed by an independent laboratory under controlled conditions to provide comparative performance data for the various barb styles and sizes offered by Value Plastics. Graph numbers 1 through 8 present the data from each of the tests for each barb size and each barb style connected to PVC tube.

The values shown are the means of a statistically significant sample quantity of each configuration. Value Plastics barbed fittings specifically designed for use with the tubing size indicated were used in these tests. No oversized barbs, solvents, adhesives, or secondary fasteners of any kind were used.

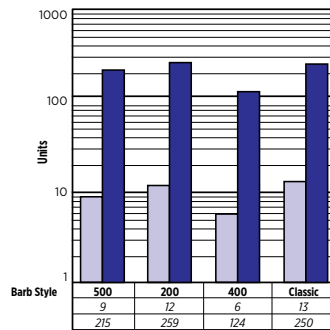
Tensile Pull Test: Tensile properties were measured to determine the force required to remove the barbed fitting from the tubing. Tensile specimens were mounted axially in a holding fixture and tested at a rate of 20 inches per minute. Failure mode was tubing separating from the barb.

Hydrostatic Burst Test: Hydrostatic burst testing was performed in general accordance with ASTM D1599. Failure mode was either tubing separating from the barb, the tubing bursting, or a combination of the two.

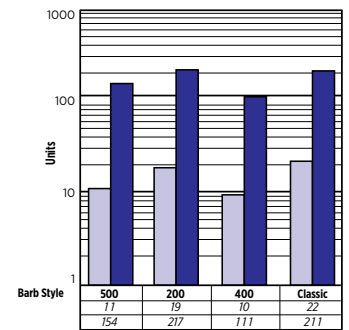
Performance of Barb to Tube Connections - ■ Tensile Pull Test (lbs) - ■ Hydrostatic Burst Test (psi)



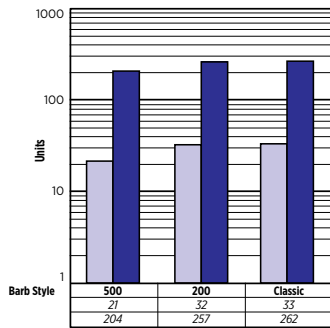
Graph 1: 1/16" Barb Performance



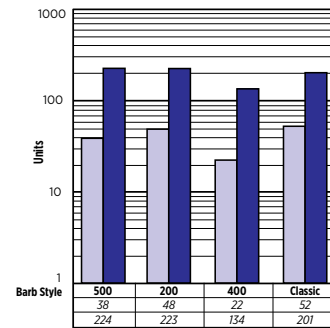
Graph 2: 3/32" Barb Performance



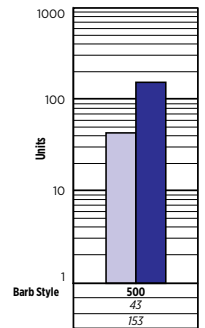
Graph 3: 1/8" Barb Performance



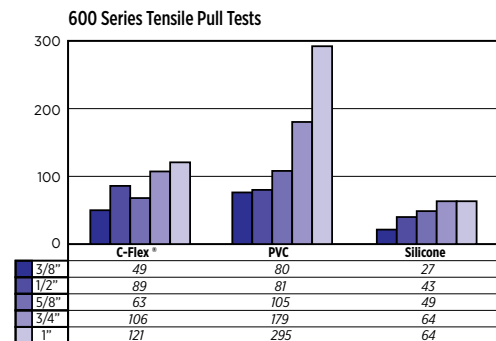
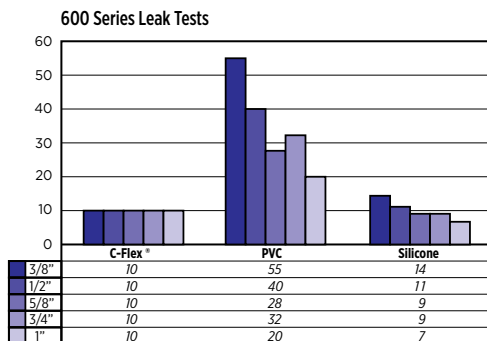
Graph 4: 5/32" Barb Performance



Graph 5: 3/16" Barb Performance



Graph 6: 1/4" Barb Performance



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Maximum cycles _____ 50,000 connect-disconnect cycles

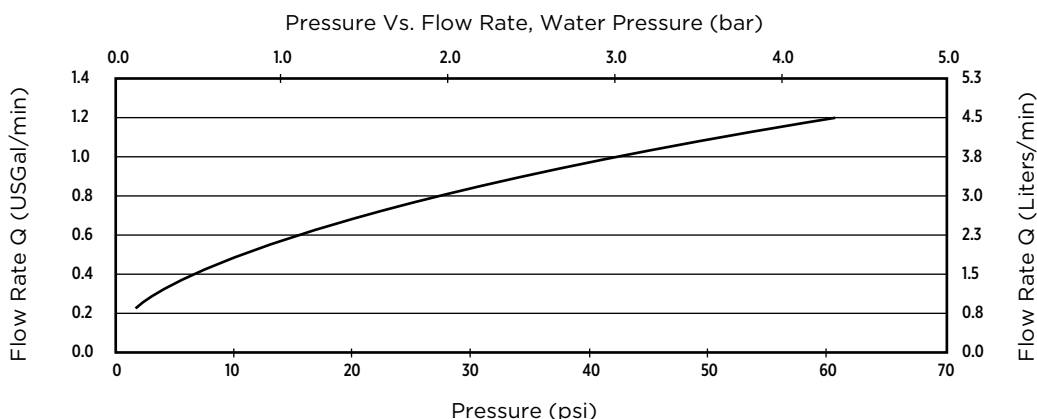
Maximum leak resistance _____ < .007 psi / 0.05 kPa / sec.

Maximum axial tensile resistance _____ 20 lbf.

Minimum Fitting ID _____ .113" / 2.9 mm

Maximum working pressure _____ 60 psi, 4.14 bar

Minimum Cv _____ .39



TECHNICAL:

Panel Mount Instructions

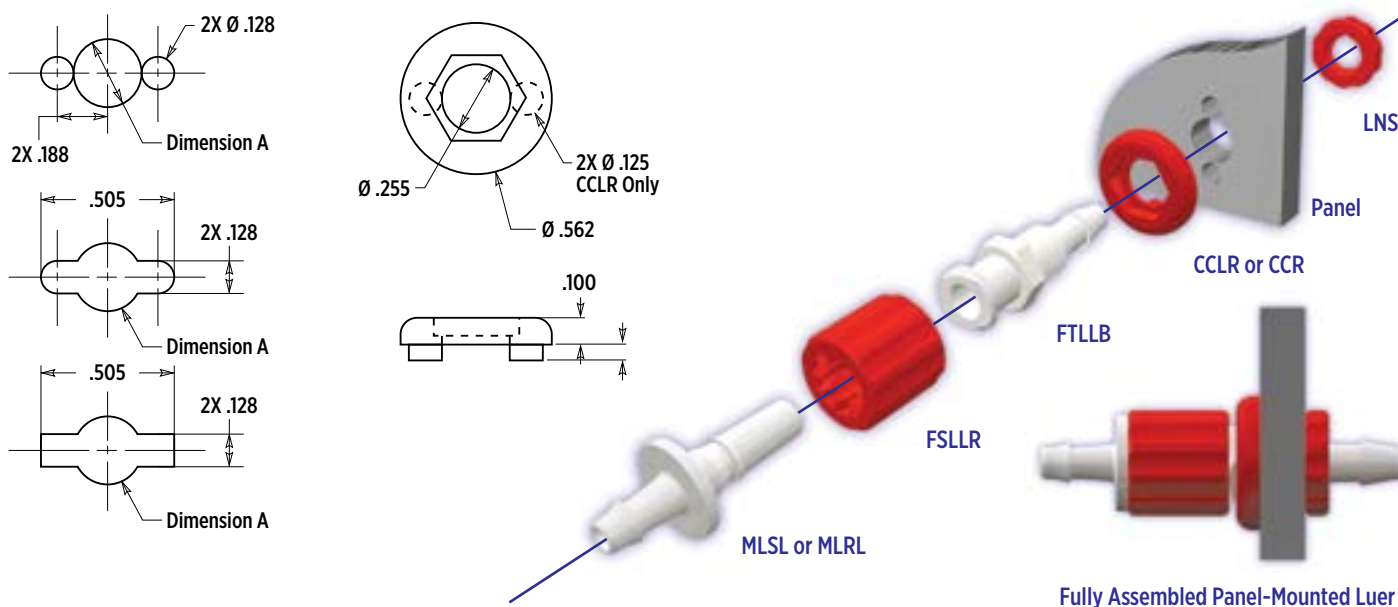
Panel-mounted female luers, in both FTLLB (thread style) and FTLB (lug style) series, are shown beginning on page 32. When used with our CCLR lock rings or CCR color coding rings and LNS lock nuts (see pages 33, 55), color coding of connections is easy.

The information provided here will help you mount the panel mount luers. Please note that they are intended for panel thickness of 1/16" to 1/8" (1.5 to 3 mm).

FTLLB series shown with MLSL luer, FSLLR lock ring, CCLR color coding lock ring, and LNS lock nut.

Threaded Panel Openings: Tap the panel with threads from tube fittings, panel mounts or BPFs and use a CCR color coded ring. In this case, the fitting tightened into the panel prevents fitting rotation. Use an LNS lock nut for additional security; tighten snug plus 1/4 turn only.

Non-Threaded Panel Openings: Use any one of the three panel patterns shown below with a CCLR lock ring and LNS lock nut. Together, the panel opening and CCLR prevent the panel mount fitting from rotating. Tighten LNS snug plus 1/4 turn only.



CHEMICAL	%	TEMP C	TEMP F	ABS	ACETAL	PVDF	NYLON	POLYCARBONATE	POLYPROPYLENE	POLYSULFONE
Acetic Acid	5%	23 C	73 F	Excellent	Unsatisfactory	Excellent	Satisfactory	Satisfactory	Excellent	Excellent
Acetone	100%	50 C	122 F	Unsatisfactory	Unsatisfactory	Unsatisfactory	Satisfactory	Unsatisfactory	Excellent	Unsatisfactory
Acetophenone	100%	24 C	75 F	Satisfactory	—	Unsatisfactory	Excellent	—	Satisfactory	—
Acetylene	100%	24 C	75 F	—	—	Excellent	Excellent	—	—	—
Air	100%	82 C	180 F	Excellent	Excellent	Excellent	Excellent	—	—	Excellent
Ammonia, Liquid	100%	24 C	75 F	Satisfactory	—	Unsatisfactory	Satisfactory	Unsatisfactory	Excellent	Excellent
Ammonium Hydroxide	10%	23 C	73 F	Satisfactory	—	Excellent	Excellent	Unsatisfactory	Excellent	Excellent
Ammonium Hydroxide	10%	70 C	158 F	Unsatisfactory	—	Excellent	Unsatisfactory	Unsatisfactory	Excellent	Excellent
Barium Sulfide	100%	24 C	75 F	Excellent	Excellent	Excellent	Satisfactory	—	Excellent	—
Benzene	100%	23 C	73 F	Satisfactory	Excellent	Excellent	Excellent	Unsatisfactory	Satisfactory	Unsatisfactory
Bleach	100%	23 C	73 F	—	Unsatisfactory	Excellent	Satisfactory	Unsatisfactory	Satisfactory	Excellent
Boric Acid	7%	35 C	95 F	Excellent	Excellent	Excellent	Unsatisfactory	Excellent	Excellent	—
Calcium Carbonate	Sat. sol.	24 C	75 F	Excellent	—	Excellent	—	—	Excellent	—
Carbon Dioxide	100%	50 C	122 F	Satisfactory	Excellent	Excellent	Excellent	—	Excellent	—
Carbon Monoxide	100%	50 C	122 F	Satisfactory	—	Excellent	Excellent	—	Excellent	—
Carbon Tetrachloride	100%	50 C	122 F	Unsatisfactory	—	Excellent	Excellent	Unsatisfactory	Unsatisfactory	Unsatisfactory
Chlorine Water	Dilute	23 C	73 F	Unsatisfactory	—	Excellent	Satisfactory	Unsatisfactory	Unsatisfactory	Satisfactory
Chlorine Water	Concen.	23 C	73 F	Unsatisfactory	—	Excellent	Unsatisfactory	Unsatisfactory	Unsatisfactory	Unsatisfactory
Chlorobenzene	100%	23 C	73 F	Satisfactory	—	Excellent	Excellent	Unsatisfactory	Unsatisfactory	Unsatisfactory
Chlorofluorocarbon 11	100%	24 C	75 F	—	—	Excellent	Excellent	Satisfactory	—	Excellent
Chloroform	100%	23 C	73 F	Unsatisfactory	Satisfactory	Excellent	Satisfactory	Unsatisfactory	Unsatisfactory	Unsatisfactory
Cyclohexanone	100%	24 C	75 F	Unsatisfactory	—	Excellent	Excellent	Unsatisfactory	Satisfactory	Unsatisfactory
Dichlorethylene	100%	23 C	73 F	—	—	Excellent	Satisfactory	—	Excellent	Unsatisfactory
Ethanol	95%	50 C	122 F	Satisfactory	—	Excellent	Excellent	Satisfactory	Excellent	Satisfactory
Ethyl Acetate	95%	50 C	122 F	Satisfactory	—	Unsatisfactory	Excellent	Unsatisfactory	Satisfactory	Unsatisfactory
Ethylene Glycol	100%	23 C	73 F	Excellent	Satisfactory	Excellent	Excellent	Satisfactory	Excellent	Excellent
Ethylene Oxide	100%	24 C	75 F	Unsatisfactory	—	Excellent	Satisfactory	Satisfactory	Satisfactory	Excellent
Ethylene Oxide	100%	79 C	175 F	Unsatisfactory	—	Excellent	Unsatisfactory	Satisfactory	Unsatisfactory	Excellent
Fatty Acids	—	—	—	—	Excellent	Excellent	—	Satisfactory	Excellent	—
Fluorine	100%	23 C	73 F	Unsatisfactory	—	Excellent	Unsatisfactory	—	—	—
Formaldehyde	37%	24 C	75 F	Unsatisfactory	Excellent	Excellent	—	Unsatisfactory	Excellent	Unsatisfactory
Gasoline	100%	85 C	185 F	Excellent	Satisfactory	Excellent	Excellent	Unsatisfactory	Satisfactory	Satisfactory
Glucose	Concen.	24 C	75 F	Excellent	—	Excellent	—	—	Excellent	—
Glycerin	100%	24 C	75 F	Excellent	—	Excellent	—	Excellent	Excellent	Excellent
Hydrochloric Acid	2%	23 C	73 F	Excellent	Satisfactory	Excellent	Excellent	Excellent	Excellent	Excellent
Hydrochloric Acid	10%	25 C	77 F	Excellent	Satisfactory	Excellent	Unsatisfactory	Excellent	Excellent	Excellent
Hydrofluoric Acid	10%	23 C	73 F	Satisfactory	—	Excellent	Unsatisfactory	—	Excellent	Excellent
Hydrogen Peroxide	1%	24 C	75 F	Excellent	Unsatisfactory	Excellent	Satisfactory	Excellent	Excellent	Excellent
Hydrogen Peroxide	5%	43 C	110 F	Satisfactory	Unsatisfactory	Excellent	Unsatisfactory	Excellent	Satisfactory	Excellent
Isopropanol	70%	23 C	73 F	—	Excellent	Excellent	Excellent	Call*	Excellent	Satisfactory
Kerosene	100%	85 C	185 F	Satisfactory	—	Excellent	Excellent	Satisfactory	Satisfactory	Satisfactory
Methyl Ethyl Ketone	100%	50 C	122 F	Unsatisfactory	—	Unsatisfactory	Excellent	Unsatisfactory	Satisfactory	Unsatisfactory
Methylene Chloride	100%	23 C	73 F	Unsatisfactory	—	Excellent	Satisfactory	Unsatisfactory	Excellent	Unsatisfactory
Methanol	100%	23 C	73 F	Unsatisfactory	—	Excellent	Excellent	Satisfactory	Excellent	Satisfactory
Nitric Acid	10%	23 C	73 F	Satisfactory	—	Excellent	Unsatisfactory	Unsatisfactory	Excellent	Satisfactory
Oxygen	100%	24 C	75 F	—	—	Excellent	Satisfactory	—	—	—
Ozone	100%	43 C	110 F	Satisfactory	—	Satisfactory	Unsatisfactory	Unsatisfactory	—	—
Phenol	90%	23 C	73 F	Unsatisfactory	Unsatisfactory	Excellent	Unsatisfactory	—	Excellent	—
Phosphoric Acid	5%	98 C	208 F	Satisfactory	Unsatisfactory	Excellent	Unsatisfactory	Unsatisfactory	Excellent	Excellent
Propane	100%	23 C	73 F	Satisfactory	—	Excellent	Excellent	—	—	—
Sodium Bicarbonate	Concen.	24 C	75 F	Excellent	Excellent	Excellent	Excellent	—	Excellent	Excellent
Sodium Chloride	10%	23 C	73 F	Excellent	—	Excellent	Excellent	—	Excellent	Excellent
Sodium Chloride	Sat. sol.	24 C	75 F	Excellent	—	Excellent	Excellent	—	Excellent	Excellent
Sodium Hydroxide	10%	70 C	158 F	Satisfactory	—	Excellent	Satisfactory	—	Excellent	Excellent
Steam	—	120 C	248 F	Unsatisfactory	—	Excellent	Unsatisfactory	Unsatisfactory	Satisfactory	Excellent
Sulfuric Acid	30%	23 C	73 F	Satisfactory	Unsatisfactory	Excellent	Unsatisfactory	Excellent	Excellent	Excellent
Tetrahydrofuran	100%	23 C	73 F	Satisfactory	—	Unsatisfactory	Excellent	—	Unsatisfactory	—
Toluene	100%	50 C	122 F	Satisfactory	Unsatisfactory	Excellent	Excellent	Unsatisfactory	Unsatisfactory	Unsatisfactory
Trichloroethylene	100%	23 C	73 F	Satisfactory	—	Excellent	Satisfactory	Unsatisfactory	Unsatisfactory	Unsatisfactory
Water	100%	79 C	175 F	Excellent	—	Excellent	Excellent	Unsatisfactory	Excellent	Excellent

* Call Value Plastics technical support to review your application and the concentration of Isopropanol that will be used.

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Material - Manufacturer & Grade		VP Code	Regulatory Compliance of Base Resin*		RoHS Compliant	BPA Free	DEHP Free	Animal Derivative Free*
ABS (Lace White) - INEOS Lustran 348-000000		-81		USP Class VI Certified; ISO 10993 Part I Compliant	Yes	Yes	Yes	No
ABS, MABS (Methyl Methacrylate) - BASF Terlux 2802 TR		-8003, SCV Series		USP Class VI Certified	Yes	Yes	Yes	Yes
ABS (Sno White) - INEOS Lustran 348-012002		-8012		USP Class VI Certified; ISO 10993 Part I Compliant	Yes	Yes	Yes	No
Acetal - DuPont Delrin 500P		-10		21 CFR 177.2480 FDA Approved	Yes	Yes	Yes	No
Acetal Copolymer - BASF Ultratorm N 23020 003		-1006, -1007		21 CFR 177.2470 FDA Approved	Yes	Yes	Yes	No
Acrylic - Cyro Cyrolite Med 2		-50		USP Class VI Certified; ISO 10993 Compliant; 21 CFR 177.1010 FDA Approved	Yes	Yes	Yes	Yes
Nylon (PA 66) - DuPont Zytel 101F		-0, -1, -2, -3, -4, -5, -06, -07, -08B, -8, -8B, -CM030		21 CFR 177.1500 FDA Approved	Yes	Yes	Yes	No
Nylon (PA 66) - DuPont Zytel SC310 NC010		-U1, -U5, -U01, -U05		USP Class VI Certified; ISO 10993 Compliant; 21 CFR 177.1500 FDA Approved	Yes	Yes	Yes	No
Nylon (Glass Reinforced) - DuPont Zytel IGFES171		-U71, -U75		USP Class VI Certified; ISO 10993 Compliant; 21 CFR 177.1500 FDA Approved	Yes	Yes	Yes	No
Nylon (Glass Reinforced) - DuPont Zytel 70G33L		-7, -72		21 CFR 177.1500 FDA Approved	Yes	Yes	Yes	No
Polycarbonate (Clear) - Bayer Makrolon 2558 550115		-9		USP Class VI Certified; ISO 10993 Compliant; 21 CFR 177.1580 FDA Approved	Yes	No	Yes	No
Polycarbonate (Clear) - Bayer Makrolon Rx 1805 451118		-9010, SCV Series		USP Class VI Certified; ISO 10993 Compliant	Yes	No	Yes	Yes
Polycarbonate (Tinted) - Styron Calibre Megarad 2081-15		-9002, DCV Series		ISO 10993 Compliant	Yes	No	Yes	No
Polyethylene - LyondellBasell Purell PE 1840 H		SCV Series		Please call for details	Yes	Yes	Yes	Yes
Polypropylene - Flint Hills P5M6K-080		-6005, -6006		USP Class VI Certified; 21 CFR 177.1520 FDA Approved	Yes	Yes	Yes	Yes
Polysulfone - Solvay Udel P1700 CL2611		-40		USP Class VI Certified; ISO 10993 Compliant; 21 CFR 177.1655 FDA Approved	Yes	Yes	Yes	Yes
PVDF - Arkema Kynar 1000 HD		-11A		USP Class VI Certified; 21 CFR 177.2510 FDA Approved	Yes	Yes	Yes	Yes
SAN - BASF 388S TR 77770		SCV Series		ISO 10993 Compliant	Yes	Yes	Yes	No
Silicone - Wacker Elastosil LR 3003		SCV Series		USP Class VI Certified	Yes	Yes	Yes	Yes

*As determined by resin manufacturer

Material - Manufacturer & Grade	VP Code	Gamma Radiation Sterilization*	Ethylene Oxide Sterilization	Autoclave Sterilization
ABS (Lace White) - INEOS Lustran 348-000000	-81	Compatible up to 5 Mrads	Good	Not suitable due to low heat deflection temperatures
ABS, MABS (Methyl Methacrylate) - BASF Terluc 2802 TR	-8003, SCV Series	Withstands up to 5 Mrad doses without yellowing	Good	Poor; components may distort due to low heat deflection temperatures
ABS (Sno White) - INEOS Lustran 348-012002	-8012	Compatible up to 5 Mrads	Good	Not suitable due to low heat deflection temperatures
Acetal - DuPont Delrin 500P	-10	Compatible up to 1 Mrad	Excellent	Very Good
Acetal Copolymer - BASF Ultraform N 2320 003	-1006, -1007	Compatible up to 1.5 Mrads	Excellent	Very Good
Acrylic - Cyro Cyrolite Med 2	-50	Very good up to commonly used doses (6 Mrads)	Excellent	Not Recommended
Nylon (PA 66) - DuPont Zytel 101F	-0, -1, -2, -3, -4, -5, -06, -07	Very good; may discolor to brownish hue	Very good; some susceptibility to oxidizing agents	Very good; product may swell slightly due to water absorption
Nylon (PA 66) - DuPont Zytel SC310 NC010	-U1, U5, -U01, -U05	Very good; may discolor to brownish hue	Very good; some susceptibility to oxidizing agents	Very good; product may swell slightly due to water absorption
Nylon (Glass Reinforced) - DuPont Zytel 70G30L	-U71, -U75	Very good; may discolor to brownish hue	Very good; some susceptibility to oxidizing agents	Excellent
Nylon (Glass Reinforced) - DuPont Zytel 70G33L	-72	Very good; may discolor to brownish hue	Very good; some susceptibility to oxidizing agents	Excellent
Polycarbonate (Clear) - Bayer Makrolon 2558 550115	-9	Compatible up to 10 Mrads with minor loss of physical properties; will discolor to yellow-green hue	Highly compatible	Poor; may craze or stress crack due to molding stresses
Polycarbonate (Clear) - Bayer Makrolon Rx 1805 451118	-9010, SCV Series	Compatible up to 10 Mrads with minor loss of physical properties; may discolor slightly dependent upon dose/number of cycles	Highly compatible	Poor; may craze or stress crack due to molding stresses
Polycarbonate (Tinted) - Styron Calibre Megarad 2081-15	-9002, DCV Series	Excellent up to 10 Mrads with minor loss of physical properties; light violet hue turns clear upon sterilization	Highly compatible	Not Recommended
Polyethylene - LyondellBasell Purell PE 1840 H	SCV Series	Compatible up to 5 Mrads	Highly compatible	Not Recommended
Polypropylene - Flint Hills PSM6K-080	-6005, -6006	Very good to commonly used sterilization doses (6 Mrads)	Highly compatible	Poor; components may distort due to low heat deflection temperatures
Polysulfone - Solvay Udel PI700 CL2611	-40	Highly compatible; will discolor to brownish hue	Excellent	Excellent
PVDF - Arkema Kynar 1000 HD	-11A	Highly compatible; will discolor to brownish hue	Excellent	Highly Compatible
SAN - BASF 388S TR 77770	SCV Series	Compatible up to 5 Mrads	Good	Not suitable due to low heat deflection temperatures
Silicone - Wacker Elastosil LR 3003	SCV Series	Compatible up to 5 Mrads	Highly compatible	Very good

*1 Megarad (Mrad) = 10 kilograys (kGy)

TECHNICAL:

Resin Sterilization Stability

Property	ASTM Test Method	PVDF	Polycarb	Radiation Stable PC	Polypro	Nylon ^a	GF Nylon ^a	ABS	MABS	Polysulfone	Acetal
Tensile Strength	D638	5,400	10,000	9,800	—	12,000	27,000	4,800	—	—	—
Elongation at Break, %	D638	100-400	120	150	375	300	3	50	12	50-100	40
Tensile Yield Strength, psi	D638	6,500	9,200	9,800	4,400	12,000	—	5,700	6,960	10,200	9,900
Flexural Modulus, kpsi	D790	360	330	350	170	410	1,300	330	—	390	450
Rockwell Hardness D	D785	—	R118	R118	R80-102	R121	—	R107	—	—	R122
Rockwell Hardness M	—	—	M75	M72	—	M79	M101	—	—	M69	M89
Shore Hardness D	D2240	D76-80	—	—	—	—	—	—	—	—	—
Coef. of Linear 10-5 in/in/°F	D696	7.6	3.9	3.8	—	4	1.3	5.5	—	3.1	—
Deflection Temp°F @264psi	D648	244	266	252	—	194	480	173	194	345	216
Deflection Temp°F @66psi	D648	—	273	—	190	455	—	—	201	358	332
Water Absorption, %, 24 h	D570	0.015	0.15	0.15	0	1.2	0.7	0.25- 0.40	0.7	0.3	0.4
Izod Impact, (Notched) ft-lb/in	D256	3.1	16.0	14.0	0.5	1.0	2.2	6.0	1.31	1.3	—

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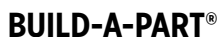


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- 1,827,467
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