



NOTES

Welcome to Value Plastics!

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

What we do:

Value Plastics designs and manufactures a proprietary line of plastic connectors for low pressure fluid management applications. Products available from stock include over 3.100 different style and material combinations with tubing IDs ranging from 1/16'' to 1". We also offer custom component manufacturing, tubing, select medical OEM components and our TUBESETTER® fitting inserters to facilitate device assembly.

Where we come from:

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

Our quality commitment to you:

We are dedicated to exceeding your expectations. We operate a auality system registered under the auidelines 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 loap (\mathcal{V}) 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 auality 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-toshot 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,

VALUE PLASTICS; INC.

HROM a ly E + 61(0)3 9762 2034 Australian Distributors;

ECH HOLOGY Pty Ltd

Importers & Manufacturers

4

What's new at Value Plastics?

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

SBL Series Quick Connect Fittings

Value Plastics introduces a new concept in quick connect fittings for fluid management applications. 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. Find these fittings beginning on page 9.



SCV Series Single Check Valves

SCV Series products are available in antisiphon or one-way check valve configurations in a variety of materials and end fitments. The valves feature low priming volume, ease of removing air bubbles during priming and operate in any spatial orientation. These fittings can be found starting on page 12.

XQC Series Quick Connect Fittings

XQC Series quick connect fittings (quick disconnect couplings) add convenience to your repetitive connect — disconnect requirements. These 20 products, available in acetal and polypropylene, may be found beginning on page 10.

DCV Series Double Check Valves

DCV Series double check valves are now available. These products are designed to enable clean transfer of a fluid from a storage container to a point of use. The 7 SKUs are manufactured from materials that comply with USP Class VI and are gamma stable. These products may be found beginning on page 14.





SF Series sanitary fittings (sanitary couplers) mate Value Plastics' 600 Series barb to a sanitary end flange. Two flange sizes, "Mini" (3/4") and "Maxi" (1-1/2") join 5 different tube IDs and are available in both animal-free polypropylene and Kynar[®] PVDF resins. Find these 20 products beginning on page 16.

Value Plastics Design Center

Find examples in this section of currently-available made-to-order specialized solutions beginning on page 36.

Build-a-Part™ Bondable Components

The Bondable components found on pp. 68-71 are now known as Build-a-Part components. Overcome the limits of injection molding tooling design and build the exact component you desire, in the exact layout that works best for you!

Formation of Asian Subsidiary

As of January 18, 2008, Value Plastics announces the establishment of Value Plastics (Asia Pacific) Co., Ltd. This company will be the focus of Value Plastics' increasing efforts to develop the rapidly-growing markets for its products in Asia.







VALUE PLASTICS; INC.



Bird Precision Orifices and Filters www.birdprecision.com

Bird Precision's standard ruby orifice and filter inserts will fit a huge variety of Value Plastic Fittinas.



Bird Precision Ruby Orifices are scientifically designed to control CD (coefficient of discharge) values to insure repeatable flow. 150 unique orifice sizes are available from .0004" thru .081" ID sizes. Stainless steel wire mesh filtration inserts are available in standard micron rated filtration values of 5, 25, 43 and 140 micron average ratings. An example is shown in the picture of blue Value Plastics part# XL210-1 (10-32 special tapered thread, elbow, for 1/16'' ID flexible tubing.)

This special fitting contains dual inlet and outlet 5 micron stainless mesh filters. The .0040/.0042" ruby orifice is securely sandwiched between the filters. This fitting insures total protection of the orifice while also providing extremely repeatable flow control.

Bird orifices fit most Value Plastics tube to tube, threaded and luer type fittings.

Industrial Specialties - www.industrialspec.com

As their name, SPECIALTIES, indicates, in addition to offering a wide range of Value Plastics fittings, they perform a unique development role. They offer a unique approach to helping their customers with their flow control challenges.



If what they have in their catalog isn't exactly what you need, they'll try to design something that is. That's the essence of SPECIALTIES: customized designs for specific customers.

So, if you don't see it, ask for it. They're often willing to work at smaller volume levels for special products.

The Lee Company - www.theleeco.com

Check valves and orifices from The Lee Company are ideal for critical applications where close pressure and flow tolerances are

required. Made entirely of stainless steel, Lee insert valves and restrictors are 100% performance tested and are available standard in USP Class VI gamma-stable polypropylene fittings. Shown is Value Plastics part no. LT787



with Lee Co. features that enable the fitting to precisely control pressure input and, through the top leg, relieve excess pressure.



9 Av. Prince Hereditaire Albert MC98000 MONACO Phone: +377 97 98 42 32 Email: sales@promepla.com www.promepla.com

Promepla Countries: Austria France Italy Monaca

The West Group Countries:

Ireland

Israel

ISIS Countries

Sanwa Countries:

Japan

Japan

United Kingdom

Portugal Spain Switzerland



Aston Road, Waterlooville, Hants. P07 7X1 Phone: +44 23 9226 6031 Fax: +44 23 9224 0323 Email: sales@westgroup.co.uk www.westgroup.co.uk

Borkstrasse 10

48163 Münster, GERMANY

Phone: +49 251 32266-0

Fax: +49 251 32266-22

www.medneteurope.com

Email: info@medneteurope.com

MedNet Countries: Luxembourg Belaium Czech Republic Netherlands Denmark Norway Finland Poland Germany Sweden Hungary Turkey

1-1-36, Nishi-Awaji Higashi-Yodogawa-Ku Osaka 533-0031 Japan Phone: +81-6-6325-1406 Fax: +81-6-6328-8995 Email: mail@isis-ltd.co.jp www.isis-ltd.co.ip

INV. LTD Hannakyee-ectede

16-5, Nihonbashi 2-chome, Chuo-ku, Tokyo, Japan Phone: +81 332715501 Fax: +81 332724787 Email: info@sanwa-ent.co.jp www.sanwa-ent.co.ip

Cole-Parmer

Phone: +91-22-6716-2222 Fax: +91-22-6716-2211 Email: info@coleparmer.in www.coleparmer.in

Cole-Parmer Countries: India

Air Dynamics Pte Ltd

Phone: +65-6746 6884 Fax: +65-6743 0687 Email: richard.lee@airdynamics.com.sg www.airdynamics.com.sg

Air Dynamics Pte Ltd Countries: Singapore Malaysia Indonesia Philippines

R.D.V. International Countries:

All Countries of South America

R.D.V. International

Main Office: Juan Benigno Vela 08-60 y Castillo Ambato, Ecuador 51 TELE-FAX # +593-2-285-5335 CELL # +593-08-458-3168

VALUE PLASTICS; INC.

HROMalytic +61(0)3 9762 2034 Australian Distributors;

ECH mology Pty Ltd

Importers & Manufacturers

TABLE OF CONTENTS

INTRODUCTION	3
WHAT'S NEW	4
RESOURCES	5
VALUE PLASTICS' BARB	7
QUICK CONNECTS SBL Female Open Flow Straight SBL Male Open Flow Straight XQC Female Valved Straight XQC Female Valved Panel Mount XQC Female Valved Panel Mount XQC Female Open Flow Panel Mount XQC Male Valved Straight XQC Male Valved Straight XQC Male Open Flow Banel Mount XQC Male Open Flow Blow	8 9 9 10 10 10 10 10 10 10 10 11 11
CHECK VALVES Single Check Valves - One Way Single Check Valves - Anti-Siphon Double Check Valves - Tubing Pocket Chimney Port Double Check Valves - Female Luer Chimney Port	12 13 15
SANITARY FITTINGS Mini Flange Maxi Flange Mini Flange Accessories Maxi Flange Accessories	
LUERS Male Female Adapters and Couplers Tees Elbows Plugs, Caps. Luer to Thread Panel Mounts Panel Mount Accessories.	21 24 25 26 26 26 26 27 27 27 28
BLOOD PRESSURE. BPF Series Bayonet Male Cuff Connectors & Dinamap® Monitor Adapters BPLF 1/4 Turn Cuff Connectors Dinamap® Cuff Connectors	31 31 32
TAPERED SEAL Small Bore Male Small Bore Female Large Bore Male Large Bore Female Plugs & Caps	34 34 35 35
VALUE PLASTICS DESIGN CENTER. Custom Luers Custom Tube-To-Tube Custom Threaded	38 39

ТИВЕ-ТО-ТИВЕ		
Straight Through		
Straight Through Reducer		
Elbow		
Elbow Reducer		
Tee		
Tee Reducer Y		
n Multiport		
Press-In Plugs		
Ultrasonically Weldable Barbs		\leq
Panel Mounts		0
Panel Mount Accessories		VA
LARGE TUBE-TO-TUBE	50	E
Straight Through		
Straight Through Reducer		PL
Y		AS
Press-In Plugs		E
Elbow		S
Elbow Reducer		PLASTICS; INC
Tee	.57	N
Tee Reducer	.57	
TURFADED	г 0	
THREADED	50	
10-32 UNF, Special Tapered Thread		
1/4-28 UNF 1/4-28 UNF Bottom Sealing		1
1/4-20 ONF BOTION Sealing Metric M6x1		
Metric M5x.8.		
1/16-27 NPT		10
1/8-27 NPT		S
1/4-18 NPT Reducers		
	, o	m
BUILD-A-PART		012
Junction Blocks		CH
Accessories		a hi
Barbs Threads		ō Y
Tilleuus	/1	-61(
OTHER COMPONENTS	72	を言 ~~ +61(0)3 9762 日日 == 0 につぼ y Pty
Check Valves		976
Clamps	73	P
Injection Sites	73	2034
Stopcocks		
Spikes		poi
Tubing		tra
Designer Kits TUBESETTER® Assembly Tool	15	liar s &
IUBESEITER [®] Assembly 1001	11	ND
TECHNICAL INFORMATION	78	Australian Distributors: Importers & Manufacturers
Barb Dimensions		lbu
Barb Performance		rto
BPF Series Properties & Performance Data	81	rs;
Panel Mount Instructions	.81	(n
Resin Information		
Trademarks		
Terms and Conditions of Sale		
Index	8/	

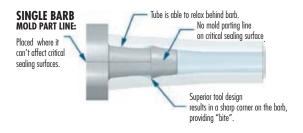
©2009 Value Plastics, Inc. All rights reserved. No part of this catalog may be reproduced without the expressed written consent of Value Plastics, Inc. All terms are current as of January 1, 2009 and are subject to change without notice.

Our Single Barb Concept

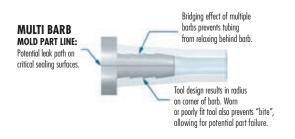
Many designers are not aware of the benefits of using a single barb versus a multi-barb fitting, but the barb design greatly affects the security of your tube connection.

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

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



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.





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' XQC Series quick connect fittings. This unique single barb is available in sizes to fit the 1/4" (6.4 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 of 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®.





FEMALE OPEN FLOW STRAIGHT PG-9



Female Valved Straight pg-10



Female Valved Panel Mount pg-10



MALE VALVED STRAIGHT PG-10



MALE VALVED PANEL MOUNT PG-11



MALE VALVED ELBOW PG-11



MALE OPEN FLOW STRAIGHT PG-9



Female Open Flow Straight PG-10



FEMALE OPEN FLOW PANEL MOUNT PG-10



MALE OPEN FLOW STRAIGHT PG-10



MALE OPEN FLOW PANEL MOUNT PG-11



MALE OPEN FLOW ELBOW

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



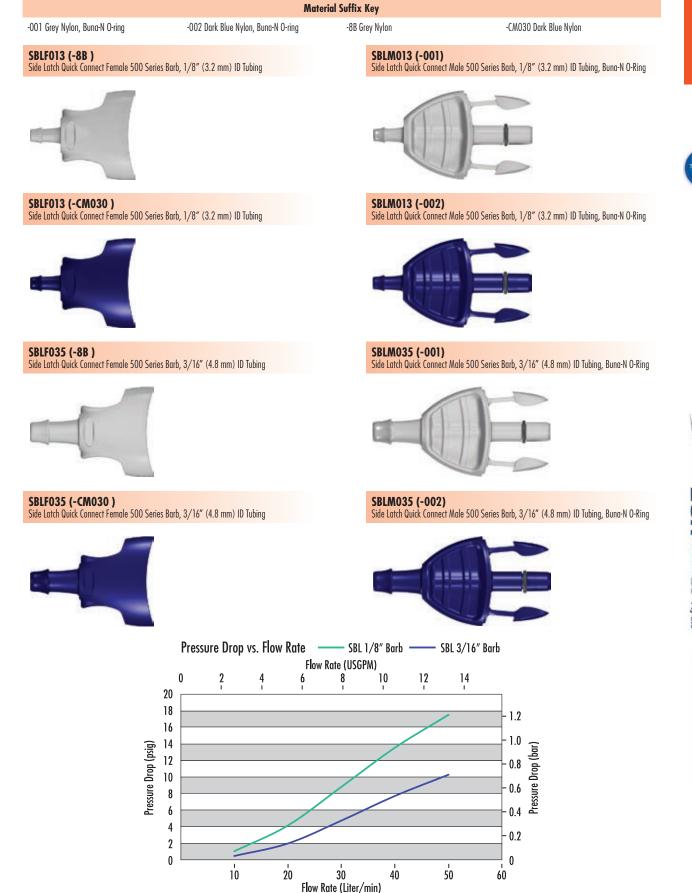
The SBL Series connector system is so intuitive that users just automatically know how to operate it the minute they pick it up. SBL Series quick connect fittings are cost effective and designed to meet your needs for a reusable component for small-bore applications in all fluid delivery areas. The SBL 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. Contact us today for free samples and make this exciting new fluid link part of your next design.



The XQC Series quick connect fittings available in open flow and with integral shutoff valves, bring performance, convenience and utility to your tubing applications. XQC Series products fit 1/4" (6.4 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 XQC Series couplings interchange with other plastic and metal button-type couplings. Bring performance and service to your tubing applications by specifying XQC Series quick connects.

CONNECTS

QUICK



The data presented here is for reference only. It was compiled primarily from the resin manufacturers' data 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®. Website : www.chromtech.net.au E-mail : info@chromtech.net.au TelNo : 03 9762 2034 . . . in AUSTRALIA

v.024

-1006-B Natural Acetal, Buna-N O-Ring -6006-EP White Polypropylene, EPDM O-Ring

XQCF755 (-1006)

XQC Series Female Open Flow Connector, 700 Series Barb, 1/4" (6.4 mm) ID Tubing



XQCF770 (-1006 -1007) XQC Series Female Open Flow Connector, 700 Series Barb, 3/8" (9.5 mm) ID Tubing



XQC SERIES: Female Valved Straight

XQCVF755 (-1006-B -1007-B -6006-B -6006-EP) XQC Series Female Valved Connector, 700 Series Barb, 1/4" (6.4 mm) ID Tubing



```
XQCVF770 (-1006-B -1007-B -6006-EP)
XQC Series Female Valved Connector, 700 Series Barb, 3/8" (9.5 mm) ID Tubing
```



XQC SERIES: Female Open Flow Panel Mount

XQCBF755 (-1006)

XQC Series Female Open Flow Panel Mount Connector, 700 Series Barb, 1/4" (6.4 mm) ID Tubing, Nickel-Plated Brass Hex Nut (included)



XQCBF770 (-1006) XQC Series Female Open Flow Panel Mount Connector, 700 Series Barb, 3/8" (9.5 mm) ID Tubing, Nickel-Plated Brass Hex Nut (included)





-1007-B Black Acetal, Buna-N O-Ring





XQCVBF770 (-1006-B)

XQC Series Female Valved Panel Mount Connector, 700 Series Barb, 3/8" (9.5 mm) ID Tubing, Nickel-Plated Brass Hex Nut (included)



XQC SERIES: Male Open Flow Straight

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



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



XQC SERIES: Male Valved Straight

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



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



VALUE PLASTICS; INC.

XQC SERIES: Male Open Flow Elbow

Material Suffix Key

-1007 Black Acetal

-1007-B Black Acetal, Buna-N O-Ring

-1006 Natural Acetal -6006-B White Polypropylene, Buna-N O-Ring -1006-B Natural Acetal, Buna-N O-Ring -6006-EP White Polypropylene, EPDM O-Ring

XQCVM770 (-1006-B -1007-B -6006-EP) XQC Series Male Valved Connector, 700 Series Barb, 3/8" (9.5 mm) ID Tubing



XQC SERIES: Male Open Flow Panel Mount

XQCBM755 (-1006-B)

XQC Series Male Open Flow Panel Mount Connector, 700 Series Barb, 1/4" (6.4 mm) ID Tubing, Nickel-Plated Brass Hex Nut (included)



XQCBM770 (-1006-B)

XQC Series Male Open Flow Panel Mount Connector, 700 Series Barb, 3/8" (9.5 mm) ID Tubing, Nickel-Plated Brass Hex Nut (included)



XQC SERIES: Male Valved Panel Mount

XQCVBM755 (-1006-B) XQC Series Male Valved Panel Mount Connector, 700 Series Barb, 1/4" (6.4 mm) ID Tubing, Nickel-Plated Brass Hex Nut (included)



XQCVBM770 (-1006-B) XQC Series Male Valved Panel Mount Connector, 700 Series Barb, 3/8" (9.5 mm) ID Tubing, Nickel-Plated Brass Hex Nut (included)





XQCLM755 (-1006-B)

XQCLM770 (-1006-B)

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



XQC SERIES:	

Male Valved Elbow

XQCVLM755 (-1006-B)

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



XQC SERIES: Panel Mount Nut

PM4N (Nickel-Plated Brass) XQC Series 11/16-24 UNEF Panel Mount Nut



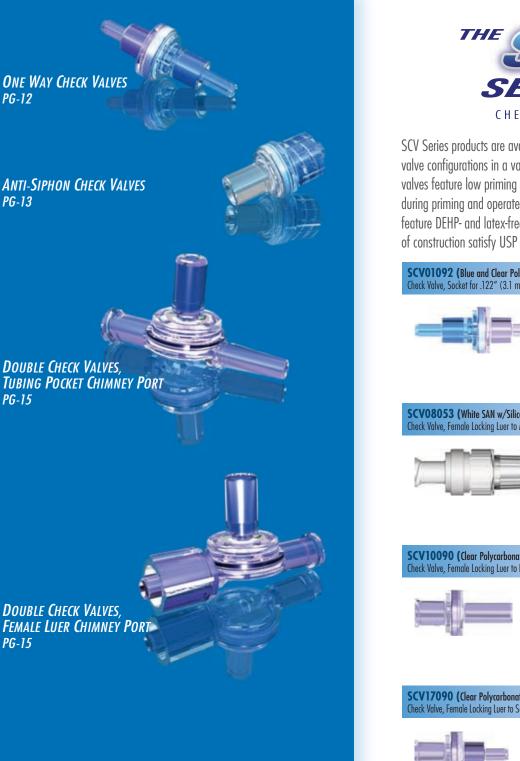
11

CONNECT

QUICK

ECH notogy Pty Ltd Importers & Manufacturers







valve configurations in a variety of materials and end fitments. The valves feature low priming volume, ease of removing air bubbles during priming and operate in any spatial orientation. All products feature DEHP- and latex-free silicone diaphragms and all materials of construction satisfy USP Class VI and ISO 10993 criteria.

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: ≤ .174 psig Max. Back Pressure: 87.023 psig Flow Rate: ≥ 90ml/min Flow Direction: Left to right

HROMalytic +61(0)3 9762 2034 Australian Distributors; ECH OTOSY Pty Ltd Importers & Manufacturers

VALUE PLASTICS; INC

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: ≥ 90ml/min Flow Direction: Left to right

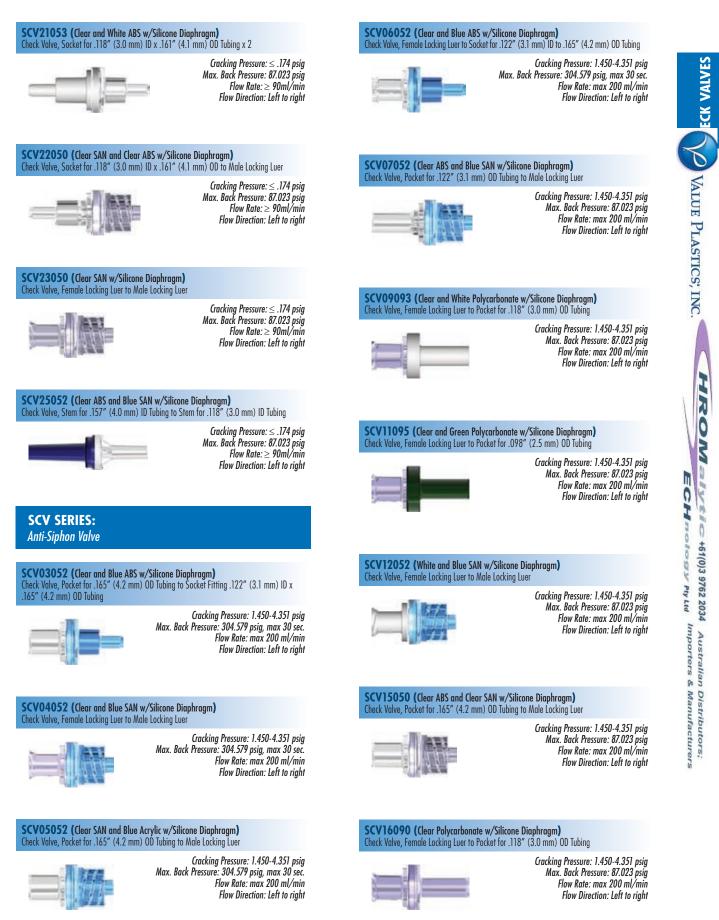
SCV10090 (Clear Polycarbonate w/Silicone Diaphragm) Check Valve, Female Locking Luer to Pocket for .118" (3.0 mm) OD Tubing



Cracking Pressure: ≤ .174 psig Max. Back Pressure: 87.023 psig Flow Rate: ≥ 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: ≥ 90ml/min Flow Direction: Left to right





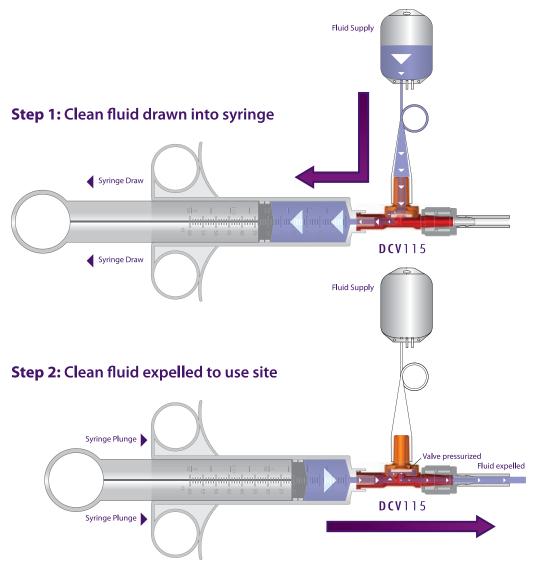
Value Plastics' unique DCV Series bi-directional double check valve is designed to transfer clean fluid from a supply vessel to a use site.

The fluid supply vessel is connected to the valve supply port (chimney) using a luer connection or tubing. The fluid is withdrawn from the supply vessel by a syringe or other device connected to the aspiration port. When the syringe is compressed the fluid is then transferred, through the exit port, to the use site without adulterating the fluid.

VALUE PLASTICS; INC.

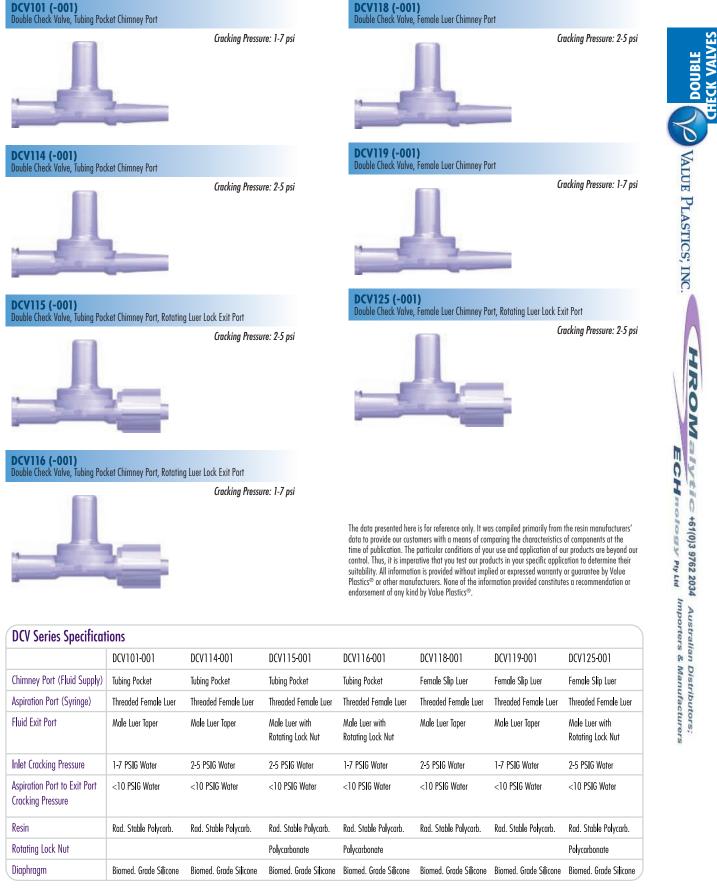
HROM alytic +61(0)3 9762 2034 Australian Distributors:

The system provides high flow. Two inlet cracking pressure ranges, two supply port options and two exit port options are available. All luer tapers comply with the requirements of ISO Standard 594-1. DCV Series double check valves are manufactured entirely from materials that are compatible with ethylene oxide, gamma and e-beam sterilization procedures.

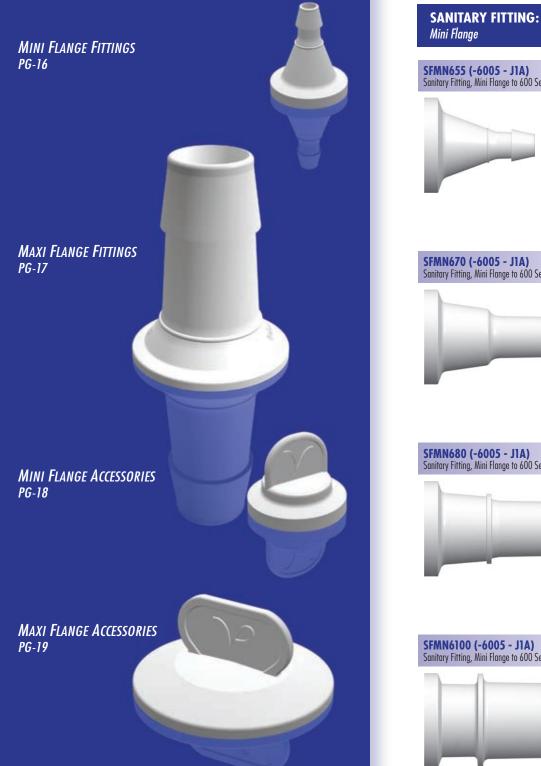


DCV SERI

Material Suffix Key







SFMN655 (-6005 - J1A) Sanitary Fitting, Mini Flange to 600 Series Barb, 1/4" (6.4 mm) Tubing ID

VALUE PLASTICS; INC.

HROMalytic +61(0)3 9762 2034 Australian Distributors;

ECH HOLOGY Pty Ltd

Importers & Manufacturers



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



SFMN680 (-6005 - J1A) Sanitary Fitting, Mini Flange to 600 Series Barb, 1/2" (12.7 mm) Tubing ID



SFMN6100 (-6005 - J1A) Sanitary Fitting, Mini Flange to 600 Series Barb, 3/4" (19.0 mm) Tubing ID



SANITARY FITTING: Maxi Flange



Material Suffix Key

-J1A Natural PVDF

-E PTEE/EPDM

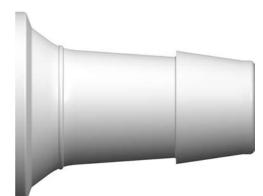


SFMX655 (-6005 - J1A) Sanitary Fitting, Maxi Flange to 600 Series Barb, 1/4" (6.4 mm) Tubing ID





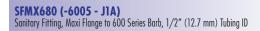
SFMX6110 (-6005 - J1A) Sanitary Fitting, Maxi Flange to 600 Series Barb, 1.0" (25.4 mm) Tubing ID



SFMX670 (-6005 - J1A) Sanitary Fitting, Maxi Flange to 600 Series Barb, 3/8" (9.5 mm) Tubing ID











our online ordering for component parts, now available 24 hours a day, 7 days a week, with no \$ minimums! You can find every catalog part at: www.valueplastics.com

(Online ordering is not available in countries served by our regional partners)

SANITARY FITTING:

Mini Flange Accessories

SANITARY

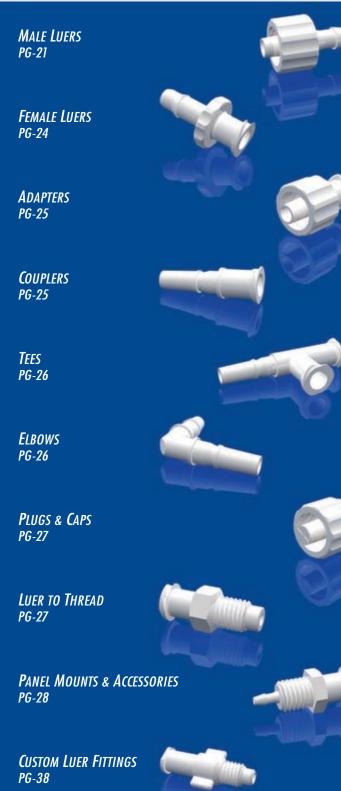


SANITARY FITTING:

Maxi Flange Accessories







OUR LUER TAPERS

Value Plastics[®] luer tapers are made to the ISO 594-1 standard, and may be connected to other luers meeting 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) to 1/4'' (6.4 mm).

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)

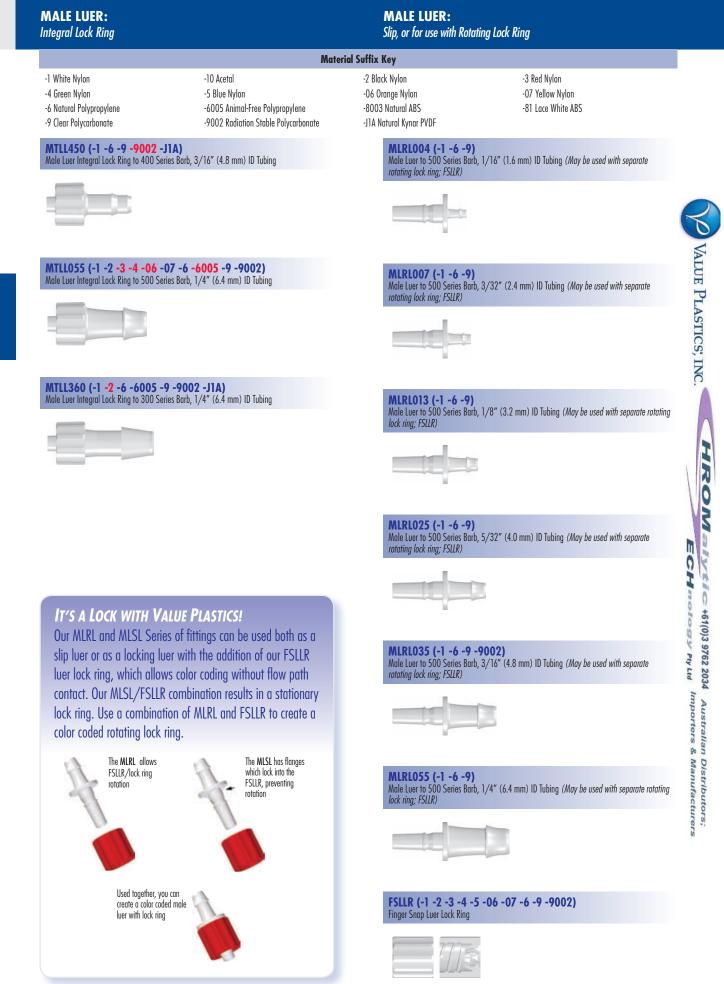
- Tailorable to your specific application

MALE LUER: Integral Lock Ring

	Mate	rial Suffix Key		
-1 White Nylon -4 Green Nylon -6 Natural Polypropylene -9 Clear Polycarbonate	-10 Acetal -5 Blue Nylon -6005 Animal-Free Polypropylene -9002 Radiation Stable Polycarbonate	-2 Black Nylon -06 Orange Nylon -8003 Natural ABS -J1A Natural Kynar PVDF	-3 Red Nylon -07 Yellow Nylon -81 Lace White ABS	
MTLLOO4 (-1 -2 -3 -4 -5 -C Male Luer Integral Lock Ring to 500 Se	06 -07 -6 -6005 -9 -9002) eries Barb, 1/16" (1.6 mm) ID Tubing	MTLL230 (-1 -2 -3 Male Luer Integral Lock Ring	-4 -5 -06 -07 -6 -6005 -9 -9002 -J1A) g to 200 Series Barb, 1/8" (3.2 mm) ID Tubing	
MTLL210 (-1 -2 -3 -4 -5 -0 Male Luer Integral Lock Ring to 200 Se	16 -07 -6 -9 -9002 - J1A) eries Barb, 1/16" (1.6 mm) ID Tubing	MTLL430 (-1 -3 -6 Male Luer Integral Lock Ring	-9 -9002 -J1A) g to 400 Series Barb, 1/8" (3.2 mm) ID Tubing	
MTLL410 (-1 -6 -9 -9002 - Male Luer Integral Lock Ring to 400 Se	JTA) eries Barb, 1/16″ (1.6 mm) ID Tubing	MTLLO25 (-1 -2 -3 Male Luer Integral Lock Ring	-4 -5 -06 -07 -6 -6005 -9 -9002) g to 500 Series Barb, 5/32" (4.0 mm) ID Tubing	
MTLLOO7 (-1 -2 -3 -4 -5 -0 Male Luer Integral Lock Ring to 500 Se	16 -07 -6 -9 -9002) eries Barb, 3/32" (2.4 mm) ID Tubing	MTLL240 (-1 -2 -3 Male Luer Integral Lock Ring	-4 -5 -06 -07 -6 -9 -9002 -J1A) g to 200 Series Barb, 5/32" (4.0 mm) ID Tubing	
MTLL220 (-1 -2 -3 -4 -5 -0 Male Luer Integral Lock Ring to 200 Se		MTLL445 (-1 -6 -9 Male Luer Integral Lock Ring	-9002 -J1A) g to 400 Series Barb, .170″ (4.3 mm) ID Tubing	
MTLL420 (-1 -6 -6005 -9 - Male Luer Integral Lock Ring to 400 Se	•9002 -JIA) eries Barb, 3/32" (2.4 mm) ID Tubing		-4 -5 -06 -07 -6 -6005 -9 -9002) g to 500 Series Barb, 3/16" (4.8 mm) ID Tubing	
MTLL013 (-1 -2 -3 -4 -5 -0 Male Luer Integral Lock Ring to 500 Se			-4 -5 -06 -07 -6 -8003 -9 -9002 -J1A) g to 200 Series Barb, 3/16" (4.8 mm) ID Tubing	
Website : wv	ww.chromtech.net.au E-mail : info@)chromtech.net.au TelNo	: 03 9762 2034 in AUSTRALIA	

100 piece minimums, unless noted in red text • 🔲 Red Text = Special order items • Volume pricing may be available for quantities 5,000 and over • Call for details!

21



MALE LUER: Slip, or for use with Stationary Lock Ring

MALE LUER: Slip

VALUE PLASTICS; INC.

HROMalytic +61(0)3 9762 2034 Australian Distributors;

Material Suffix Key



- -4 Green Nylon
- -6 Natural Polypropylene
- -9 Clear Polycarbonate

-10 Acetal -5 Blue Nylon -6005 Animal-Free Polypropylene -9002 Radiation Stable Polycarbonate

MLSL004 (-1 -6 -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 -6 <mark>-9</mark>) Male Luer to 500 Series Barb, 3/32" (2.4 mm) ID Tubing (May be used with separate stationary lock ring; FSLLR)



MLSLO13 (-1 -6 -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 -6 -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 -6 -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 -6 -9) Male Luer to 500 Series Barb, 1/4" (6.4 mm) ID Tubing (May be used with separate stationary lock ring; FSLLR)





our online ordering for component parts, now available 24 hours a day, 7 days a week, with no \$ minimums! You can find every catalog part at:

www.valueplastics.com

(Online ordering is not available in countries served by our regional partners)

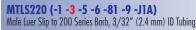
-2 Black Nylon -06 Orange Nylon -8003 Natural ABS -J1A Natural Kynar PVDF -3 Red Nylon -07 Yellow Nylon -81 Lace White ABS

MTLS210 (-1 -6 -9 -J1A) Male Luer Slip to 200 Series Barb, 1/16" (1.6 mm) ID Tubing



MSL004 (-1 -6 -9 -9002) Male Luer Slip to 500 Series Barb, 1/16" (1.6 mm) ID Tubing







MSL007 (-1 -6 -9 -9002) Male Luer Slip to 500 Series Barb, 3/32" (2.4 mm) ID Tubing



MTLS230 (-1 -3 -5 -6 -81 -9 -9002 -J1A) Male Luer Slip to 200 Series Barb, 1/8" (3.2 mm) ID Tubing



MSL013 (-1 -6 -9 -9002) Male Luer Slip to 500 Series Barb, 1/8" (3.2 mm) ID Tubing



MTLS240 (-1 -2 -5 -6 -81 -9 -J1A) Male Luer Slip to 200 Series Barb, 5/32" (4.0 mm) ID Tubing



MSL025 (-1 -6 -9 -9002) Male Luer Slip to 200 Series Barb, 5/32" (4.0 mm) ID Tubing



MSL035 (-1 -6 -9 -9002 -J1A) Male Luer Slip to 500 Series Barb, 3/16" (4.8 mm) ID Tubing



MSL055 (-1 -6 -9 -9002) Male Luer Slip to 500 Series Barb, 1/4" (6.4 mm) ID Tubing

Website : www.chromtech.net.au E-mail : info@chromtech.net.au TelNo : 03 9762 2034 . . . in AUSTRALIA

ECH mology Pty Ltd Importers & Manufacturors LUER

	Mater	ial Suffix Key		
-1 White Nylon -4 Green Nylon -6 Natural Polypropylene -9 Clear Polycarbonate	-10 Acetal -5 Blue Nylon -6005 Animal-Free Polypropylene -9002 Radiation Stable Polycarbonate	-2 Black Nylon -06 Orange Nylon -8003 Natural ABS -J1A Natural Kynar PVDF	-3 Red Nylon -07 Yellow Nylon -81 Lace White ABS	
FTLL004 (-1 -2 -3 -4 -5 -00 Female Luer Thread Style to 500 Serie	6 -07 -6 -9 -9002 -J1A) is Barb, 1/16" (1.6 mm) ID Tubing	FTLL430 (-1 -6 -9 Female Luer Thread Style	-9002 -J1A) to 400 Series Barb, 1/8" (3.2 mm) ID Tubing	
FTLL210 (-1 -2 -3 -5 -6 -9 Female Luer Thread Style to 200 Serie	-9002 -J1A) es Barb, 1/16" (1.6 mm) ID Tubing	FTLL025 (-1 -2 -3 Female Luer Thread Style	-4 -5 -06 -07 -6 -6005 -9 -9002) to 500 Series Barb, 5/32" (4.0 mm) ID Tubing	
		FTLL240 (-1 -2 -3 Female Luer Thread Style	-5 -6 -9 -9002 -J1A) to 200 Series Barb, 5/32" (4.0 mm) ID Tubing	
FTLL410 (-1 -6 -9 -9002 -J Female Luer Thread Style to 400 Serie	11A) is Barb, 1/16" (1.6 mm) ID Tubing			
		FTLL445 (-1 -6 -9 Female Luer Thread Style	-9002 -J1A) to 400 Series Barb, .170" (4.3 mm) ID Tubing	
FTLL007 (-1 -2 -3 -4 -5 -0 Female Luer Thread Style to 500 Serie	6 -07 -6 -9 -9002) Is Barb, 3/32" (2.4 mm) ID Tubing			
		FTLL035 (-1 -2 -3 Female Luer Thread Style	-4 -5 -06 -07 -6 -6005 -9 -9002 -J1A) to 500 Series Barb, 3/16" (4.8 mm) ID Tubing	
FTLL220 (-1 -2 -3 -5 -6 -9 Female Luer Thread Style to 200 Serie	-9002 -J1A) Is Barb, 3/32" (2.4 mm) ID Tubing			
		FTLL250 (-1 -3 -5 Female Luer Thread Style	-6 -9 -9002 -J1A) to 200 Series Barb, 3/16" (4.8 mm) ID Tubing	
FTLL420 (-1 -6 -6005 -9 -	9002 -J1A)			
Female Luer Thread Style to 400 Serie	s Barb, 3/32" (2.4 mm) ID Tubing	FTLL450 (-1 -6 -9 Female Luer Thread Style	-9002 -J1A) to 400 Series Barb, 3/16" (4.8 mm) ID Tubing	
FTLL013 (-1 -2 -3 -4 -5 -06 Female Luer Thread Style to 500 Serie	5 -07 -6 -9 -9002) s Barb, 1/8" (3.2 mm) ID Tubing		-4 -5 -06 -07 -6 -6005 -9 -9002) to 500 Series Barb, 1/4" (6.4 mm) ID Tubing	
FTLL230 (-1 -2 -3 -5 -6 -60 Female Luer Thread Style to 200 Serie	005 -9 -9002 -JIA) s Barb, 1/8" (3.2 mm) ID Tubing	FTLL360 (-1 -3 -5 Female Luer Thread Style	-6 -6005 -9 -9002 -J1A) to 300 Series Barb, 1/4" (6.4 mm) ID Tubing	

Website : www.chromtech.net.au E-mail : info@chromtech.net.au TelNo : 03 9762 2034 . . . in AUSTRALIA

FEMALE LUER: Smooth Bore, Thread Style

FEMALE LUER: Lug Style

Lug Style

Material Suffix Key

-1 White Nylon

- -4 Green Nylon
- -6 Natural Polypropylene
- -9 Clear Polycarbonate

-10 Acetal -5 Blue Nylon -6005 Animal-Free Polypropylene -9002 Radiation Stable Polycarbonate

FTLLSB004 (-1 -6 -9)

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



FTLLSB007 (-1 -6 -9) Female Luer Thread Style Smooth Bore to 500 Series Barb, 3/32" (2.4 mm) ID Tubing



FTLLSB013 (-1 -6 -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.

These components feature a specially designed finger grip to differentiate them from our other luer connectors.

FEMALE LUER: Lug Style

FTL10 (-1 -6 -9 -J1A) Female Luer Lug Style to Classic Series Barb, 1/16" (1.6 mm) ID Tubing



FTL210 (-1 -6 -9 -JIA) Female Luer Lug Style to 200 Series Barb, 1/16" (1.6 mm) ID Tubing



FTL20 (-1 -07 -6 -81 -9 -J1A) Female Luer Lug Style to Classic Series Barb, 3/32" (2.4 mm) ID Tubing



-2 Black Nylon -06 Orange Nylon -8003 Natural ABS -J1A Natural Kynar PVDF

-3 Red Nylon -07 Yellow Nylon -81 Lace White ABS

FTL220 (-1 -3 -5 -6 -9 -J1A) Female Luer Lug Style to 200 Series Barb, 3/32" (2.4 mm) ID Tubing



FTL30 (-1 -6 -9 -JTA) Female Luer Lug Style to Classic Series Barb, 1/8" (3.2 mm) ID Tubing



FTL230 (-1 -3 -5 -6 -9 -J1A) Female Luer Lug Style to 200 Series Barb, 1/8" (3.2 mm) ID Tubing



FTL240 (-1 -6 -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 -07 -6 -9 -9002) Finger Snap Luer Lock Ring

	and send the second second
	111m
	115
_	

MLRLC (-1 -6 -6005 -9) Male Luer Coupler (May be used with separate rotating lock rings; FSLLR)



MTLCS (-1 -6 -9 -J1A) Male Luer Slip Coupler



FTLLC (-1 -6 -9 -9002 -J1A) Female Luer Thread Style Coupler



25

LUER

- -001 Radiation Stable Polycarbonate
- -4 Green Nylon
- -6 Natural Polypropylene
- -9 Clear Polycarbonate
- -1 White Nylon
- -5 Blue Nylon
- -6005 Animal-Free Polypropylene
- -9002 Radiation Stable Polycarbonate

FTLC (-1 -6 -9 -9002 -J1A) Female Luer Lug Style Coupler



LC34 (-1 -6 -9 -9002 -J1A) Male Luer Integral Lock Ring to Female Luer Thread Style Coupler



LC78 (-1 -6 -9 -9002 -J1A) Male Luer to Female Luer Thread Style Coupler (May be used with separate rotating lock ring; FSLLR)



LT878 (-1 -6 -9 -9002) Female Luer Thread Style (2) to Male Luer Tee (May be used with separate rotating lock ring; FSLLR)



LT787 (-1 -6 -9 -8012 -9002) Male Luer (2) to Female Luer Thread Style Tee (May be used with separate rotating lock ring; FSLLR)



FTLT (-1 -6 -9 -J1A) Female Luer Lug Style Tee



FTLLE (-1 -6 -9 -J1A) Female Luer Thread Style Elbow



-2 Black Nylon -06 Orange Nylon -8003 Natural ABS -9010 Radiation Stable Polycarbonate

Material Suffix Key

-3 Red Nylon -07 Yellow Nylon -8012 White ABS -J1A Natural Kynar PVDF

FTLE (-1 -6 -9 -J1A) Female Luer Lug Style Elbow



LE87 (-1 -6 -8003 -9 -9002)

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



LE7220 (-1 -2) Male Luer to 200 Series Barb Elbow, 3/32" (2.4 mm) ID Tubing (May be used with separate rotating lock ring; FSLLR)



LE7230 (-1 -6 -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)

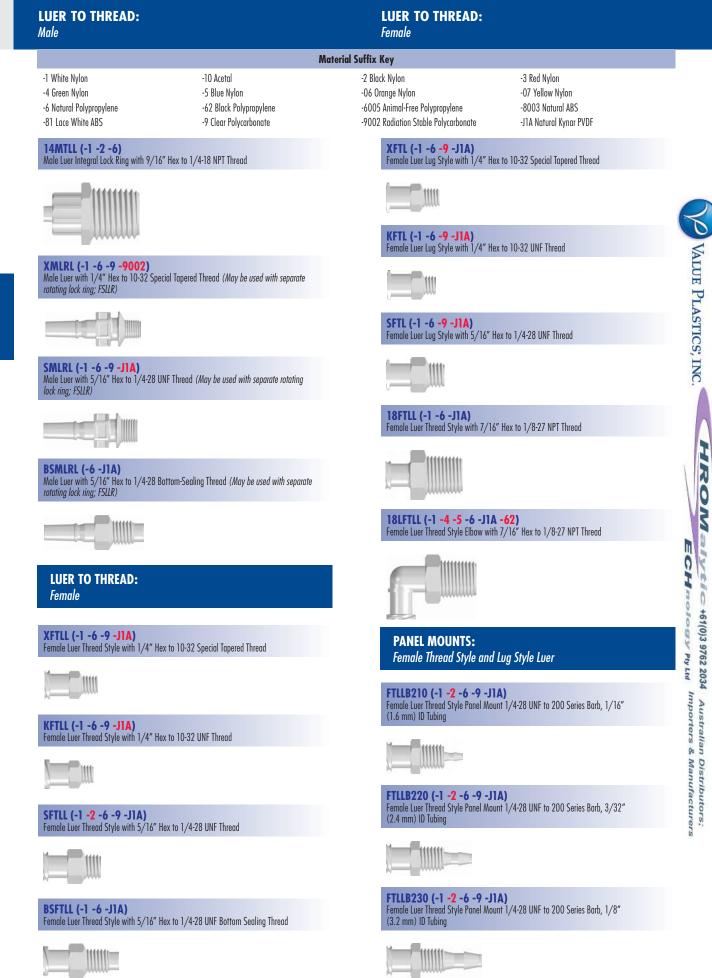


CA091 (-001)

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



LUER: Plugs and Caps	LUER: Plugs and Caps	27
Mate	erial Suffix Key	
-1 White Nylon -10 Acetal -4 Green Nylon -5 Blue Nylon -6 Natural Polypropylene -6005 Animal-Free Polypropylene -9 Clear Polycarbonate -9002 Radiation Stable Polycarbonate	-2 Black Nylon -06 Orange Nylon -8003 Natural ABS -J1A Natural Kynar PVDF	
MTLLP (-1 -2 -3 -07 -6 -6005 -9 -J1A) Male Luer Integral Lock Ring Plug, Closed at Luer Tip	FTLP (-1 -6 -9 -J1A) Female Luer Lug Style Cap with Tether Loop	
	FTLLP (-1 -2 -3 -5 -07 -6 -6005 -81 -9 -9002 -J1A) Female Luer Thread Style Cap	V
LP4 (-1 -2 -3 -4 -5 -6 -9 -9002 -J1A) Male Luer Integral Lock Ring Plug, Closed at Grip		ALUE PI
	LP34 (-1 -3 -5 -6 -9 -9002 -J1A) Male Luer Integral Lock Ring to Female Luer Thread Style Plug	VALUE PLASTICS; INC.
VLP4 (-1 -3 -6 -81 -J1A) Male Luer Integral Lock Ring Vented Plug, Closed at Grip		NC.
	LUER TO THREAD: Male	HR
	ABSML-6 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	HROM
MLRLP (-1 -6 -9) Male Luer Plug (May be used with separate rotating lock ring; FSLLR)		ECH
	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	100 +61(0);
MLSLP (-1 -6 -9) Male Luer Plug (May be used with separate stationary lock ring; FSLLR)		- +61(0)3 9762 2034 - 61(0)3 9762 2034
	XMTLL (-1 -6 -9 -J1A) Male Luer Integral Lock Ring to 10-32 Special Tapered Thread	Australian Importers &
MTLP (-1 -6 -9 -J1A)		
Male Luer Plug, Closed at Tether Loop (May be used with separate stationary lock ring; MLLR)	SMTLL (-1 -6 -9 -JTA) Male Luer Integral Lock Ring to 1/4-28 UNF Thread	Distributors; Manufacturors
MTLSP (-1 -6 -81 -9 -J1A) Male Luer Slip Plug, Closed at Grip	18MTLL (-1 -2 -6 -J1A) Male Luer Integral Lock Ring with 7/16" Hex to 1/8-27 NPT Thread	
Website : www.chromtech.net.au E-mail : info@	@chromtech.net.au TelNo : 03 9762 2034 in AUSTRALIA	



PANEL MOUNTS: Female Lug Style, Thread Style and Male Luer

PANEL MOUNT ACCESSORIES:

Lock Nuts and Color Coding Rings



- -4 Green Nylon
- -6 Natural Polypropylene
- -9 Clear Polycarbonate

-10 Acetal -5 Blue Nylon -6005 Animal-Free Polypropylene -9002 Radiation Stable Polycarbonate

FTLB210 (-1 -6 -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 -6 -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 -6 -9 -JTA) Female Luer Lug Style Panel Mount 1/4-28 UNF to 200 Series Barb, 1/8" (3.2 mm) ID Tubing



FTLLBMLRL (-1 -6) Female Luer Thread Style Panel Mount 1/4-28 UNF to Male Luer (May be used with separate rotating lock ring; FSLLR)



MLRLB210 (-1 -6) 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 -6) 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; FSLR)



MLRLB230 (-1 -6)

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)



Website : www.chromtech.net.au E-mail : info@chromtech.net.au TelNo : 03 9762 2034 . . . in AUSTRALIA

Material Suffix Key -2 Black Nylon -06 Orange Nylon -8003 Natural ABS -J1A Natural Kynar PVDF

-3 Red Nylon -07 Yellow Nylon -81 Lace White ABS -XO Stainless Steel

CCR (-1 -2 -3 -4 -5 -06 -07) Color Coded Ring (For use with PMS, PMK, FTLLB or FTLB panel mount fittings)











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

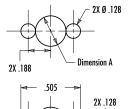


LNS (-1 -2 -3 -4 -5 -06 -07 -6 -81 -J1A) 1/4-28 UNF Panel Mount Lock Nut (For use with PMS, FTLB or FTLB panel mount fittings)



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

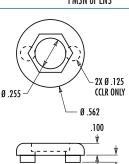


.505

Dimension A

Dimension A

2X .128



2<u>4</u> 2X .060 CCLR ONLY VALUE PLASTICS; INC.

HROM = IVEIC +61(0)3 9762 2034

ECH mology Pty Ltd

Australian Distributors; Importers & Manufacturers



BPF SERIES PG-30



BPLF 1/4 TURN CUFF CONNECTORS PG-32



DINAMAP® CUFF CONNECTORS PG-33





From Value Plastics, the reference standard for healthcare fluid management products: The BPF Series bayonet-style female quick connector. BPF series quick connect fittings are designed to withstand abuse, provide economy and ease of use over other alternatives, and comply with ISO Standard BS EN 1060-3.

Ergonomic Shape

- Easy to hold, even with gloves
- Won't irritate patients in case of incidental contact

Large Guarded Button

- Easy to use, even with gloves
- Easy to understand, convenient operation
- Protected against accidental disconnect

Push To Connect

- Easiest connector to use, even with gloves

O-Ring Seal

- Never gets more difficult to put together
- Consistent performance throughout product life

Bayonet Rotates In Connector

- Prevents kinked tubes
- Facilitates easy connections to patient cuff

Unique Spring-Loaded Bayonet Retainer

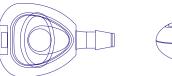
- Clicks when assembled to signal secure connection
- Resists accidental disconnects

Rugged Polymer Construction

- Withstands tens of thousands of cycles
- Withstands hospital sanitizing procedures

Unimpeded Flow Path

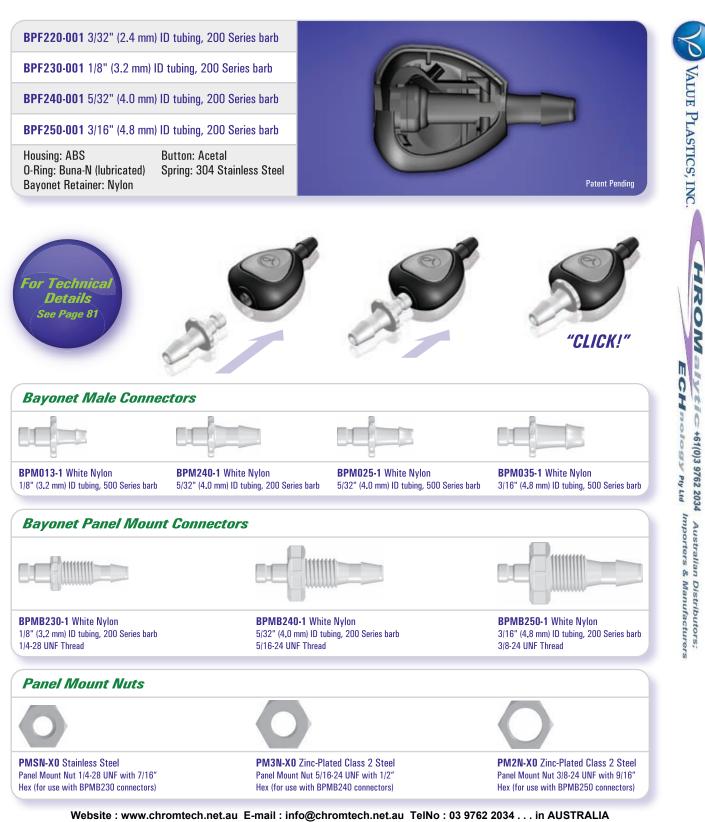
- Better acoustics for accurate readings







BAYONET-STYLE FEMALE QUICK CONNECT FITTING



100 piece minimums, unless noted in red text • 🔲 Red Text = Special order items • Volume pricing may be available, quantities vary • Call for details!

BLOOD PRESSURE: Bayonet Male Cuff Connectors and	l Dinamap® Monitor Adapters	
	Mater	ial Suffix Key
-001 Black Nylon over White Nylon -81 Lace White ABS	-1 White Nylon -8012 White ABS	-5 Blue Nylon
BPM013 (-1) Blood Pressure Monitor Bayonet Connector to	o 500 Series Barb, 1/8″ (3.2 mm) ID Tubing	BPAC Blood I 3/16"
	works with	
BPM240 (-1) Blood Pressure Monitor Bayonet Connector t	o 200 Series Barb, 5/32″ (4.0 mm) ID Tubing	Blood I 1/4" (
	works with	
BPM025 (-1) Blood Pressure Monitor Bayonet Connector t	o 500 Series Barb, 5/32″ (4.0 mm) ID Tubing	
	works with	
BPM035 (-1) Blood Pressure Monitor Bayonet Connector to	o 500 Series Barb, 3/16" (4.8 mm) ID Tubing	
	works with	7









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





BPA013 (-001)

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





-10 Acetal

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

Blood Pressure Adapter with Internal 5/16-24 UNF Thread and O-Ring to 500 Series Barb,

BPA035 (-001)

BPA055 (-001)

1/4" (6.4 mm) ID Tubing

CUFF CONNECTORS

Value Plastics introduces BPLF Series quarter-turn cuff connectors, expanding the range of solutions offered to blood pressure cuff manufacturers. BPLF Series products feature an ergonomic grip, facilitating gripping the fitting, connecting and disconnecting the cuff as needed. They mate perfectly with quarter-turn male o-ring connectors already found on some patient monitoring equipment.

BPLF230 (-8012) Quarter-turn Female Blood Pressure Cuff Connector to 200 Series Barb, 1/8" (3.2 mm) Tubing ID

		_	-	
5				
100				

BPLF240 (-8012) Quarter-turn Female Blood Pressure Cuff Connector to 200 Series Barb, 5/32" (4.0 mm) Tubing ID



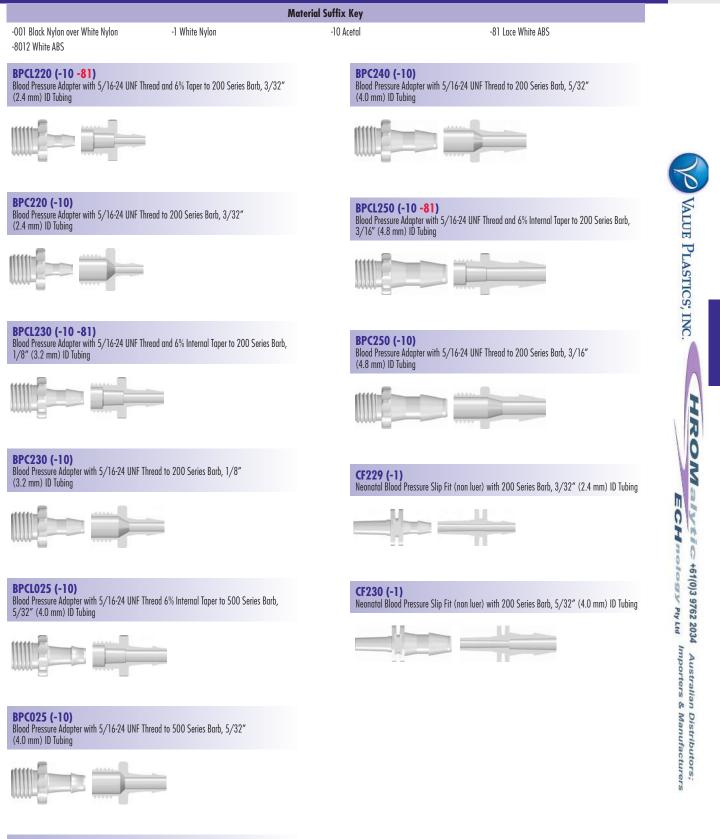
Website : www.chromtech.net.au E-mail : info@chromtech.net.au TelNo : 03 9762 2034 . . . in AUSTRALIA

32

BLOOD

BLOOD PRESSURE:





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

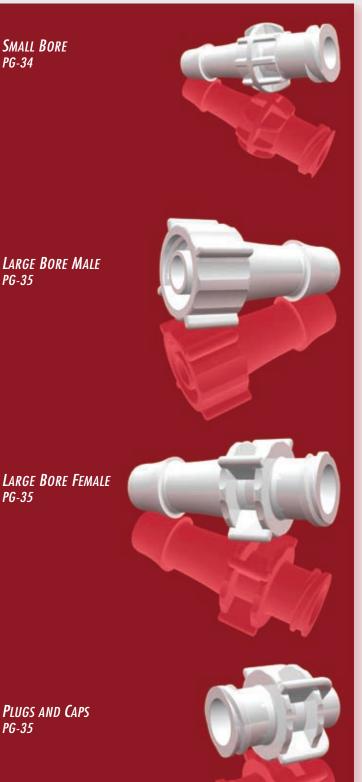




SMALL BORE PG-34

PG-35

PG-35



SMALL BORE CONNECTORS: Male, Female and Caps

TSC2M013 (-6) 100 piece minimum Male Taper Seal Non-Luer Connector to 500 Series Barb, 1/8" (3.2 mm) ID Tubing



TSC2M035 (-6) 100 piece minimum Male Taper Seal Non-Luer Connector to 500 Series Barb, 3/16" (4.8 mm) ID Tubing



TSC2F007 (-6) 100 piece minimum

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



TSC2F013 (-6) 100 piece minimum Female Taper Seal Non-Luer Connector to 500 Series Barb, 1/8" (3.2 mm) ID Tubing



TSC2F035 (-6) 100 piece minimum

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



TSC2FB230 (-6) 100 piece minimum

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



TSC2MP (-6) 1,000 piece minimum Male Taper Seal (Non-Luer) Plug with Tether Recess



PG-35

PLUGS AND CAPS

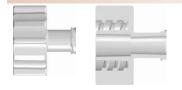
LARGE BORE CONNECTORS: Male	LARGE BORE CONNECTORS: Female
Ma	ıterial Suffix Key
-1 White Nylon -6 Natural Polypropylene -9002 Radiation Stable Polycarbonate	-8012 White ABS
MLBO35 (-1 -8012 -9) Male Large Bore Non-Luer Connector to 500 Series Barb, 3/16" (4.8 mm) ID Tubing	FLB035 (-1 -8012 -9) Female Large Bore Non-Luer Connector to 50
MLB055 (-1 -8012 -9) Male Large Bore Non-Luer Connector to 500 Series Barb, 1/4" (6.4 mm) ID Tubing	FLB055 (-1 -8012 -9) Female Large Bore Non-Luer Connector to 50
MLB065 (-1 -8012 -9) Male Large Bore Non-Luer Connector to 500 Series Barb, 5/16" (8.0 mm) ID Tubing	FLB065 (-1 -8012 -9) Female Large Bore Non-Luer Connector to 50
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)	LARGE BORE CONNECTORS





MLBC8 (-9002)

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





our online ordering for component parts, now available 24 hours a day, 7 days a week, with no \$ minimums! You can find every catalog part at:

www.valueplastics.com

(Online ordering is not available in countries served by our regional partners)

Website : www.chromtech.net.au E-mail : info@chromtech.net.au TelNo : 03 9762 2034 . . . in AUSTRALIA

500 piece minimums • 🗖 Red Text = Special order items • Volume pricing may be available for quantities 5,000 and over • Call for details!

-9 Clear Polycarbonate

00 Series Barb, 3/16" (4.8 mm) ID Tubing



00 Series Barb, 1/4" (6.4 mm) ID Tubing

1.0			
	-		
	1	 _	
0.0		-	

500 Series Barb, 5/16" (8.0 mm) ID Tubing



	-

S:

FLBP (-1 -8012 -9) Female Large Bore Non-Luer Cap



MLBP (-1 -8012 -9 -9002) Male Large Bore Non-Luer Plug



35





VALUE PLASTICS DESIGN CENTER

OUR PROCESS

VALUE PLASTICS; INC.

HROM - EYER +61(0)3 9762 2034

ECH HOLOGY Pty Ltd

Importers & Manufacturers

Australian Distributors;

DEFINITION PHASE

- Define application
- Quantify product usage
- Establish project budget and timeline with customer
- Identify prospective technical challenges
- Develop project plan

DESIGN PHASE

- Collaborative conceptual development
- Research existing technology
- Concept testing and customer review
- Establish final product specifications
- Complete design, gain customer approval

DEVELOPMENT PHASE

- Develop quality plan
- Fabrication and procurement of necessary tooling and equipment
- First Article inspection
- Qualify and validate product
- Customer product approval

PRODUCTION PHASE

- Release manufacturing, inspection and packaging plans
- Manufacture approved product

THE VALUE PLASTICS DESIGN CENTER Specialists in Fluid Connections

We sometimes hear our customers say **"That would be the perfect fitting if only . . ."** We know a lot is expected of you: leading-edge product capabilities, lower costs, shorter design times, compounded by issues such as biocompatibility, precise flow rate requirements and tight physical envelopes.

As much as you might like to be, you know you're not an expert in everything - especially when it comes to specifying fittings and connectors that are often not your area of expertise.

Make it easy on yourself.

Contact the connection experts at the Value Plastics Design Center. Together we can develop a solution delivering exactly what you want, when you need it, with exceptional quality, at a surprisingly affordable price. Our dedicated team of fluid connection professionals collaborates with you to solve your most difficult challenges.

Our Design Center experts provide:

- Expert and timely design assistance from our dedicated technical staff with years of experience solving real world fluid connection challenges
- Technical support before and after the sale
- In-house testing facilities to validate and qualify design alternatives
- Assistance with medical qualification requirements needed to transform your design into a validated product.

Your Solution. Faster. Cheaper.

Value Plastics is dedicated to meeting your demanding quality and capability needs. The Value Plastics Design Center works with you to develop custom solutions keeping your projects moving - on time and within budget, whether it's a totally new concept or a refinement of one of our 3,100 products.

Call us today. Let the Value Plastics Design Center show you how we can affordably meet your exacting flexible tubing connector and fitting needs no matter how complex they might be. +1 866-582 0965. It's not often that one of our 3,100 off-the-shelf tubing fittings can't fill your application need. But when they won't, call on the Value Plastics Design Center. Our dedicated team of fluid connection professionals will collaborate with you to find the most appropriate and cost-effective solution.

As an example, a medical device manufacturer recently brought a challenge to the Design Center. Their device's tube fittings had the potential to be misconnected with similar, but distinctly different use, tubing fittings. The Design Center analyzed several potential connector solutions and, using Value Plastics' extensive application engineering base, developed a custom fitting that used reliable sealing technology negating any possibility of misconnect within the customer's proprietary surgical system and their corresponding clinical environment. The resulting custom fitting was engineered easier to use, has higher flow rates, and prevents misconnections, all resulting in greater competitive advantage for the customer.

The Value Plastics Design Center really can provide YOUR solution, faster and cheaper. Contact the Value Plastics Design Center today for an initial consultation, +1 866-582-0965, or email designcenter@valueplastics.com.

On the following 2 pages, 38-39, are examples of custom solutions that Value Plastics has developed. They are displayed to provide an idea of some of the most common modifications available. All the individual parts shown are available on special order. To review case studies, please visit our website at www.valueplastics.com/products/design_center.aspx



	Material Suffix Key						
	-1 White Nylon -2 Black Nylon -6 Natural Polypropylene -62 Black Polypropylene -81 Lace White ABS -9 Clear Polycarbonate -J1A Natural Kynar PVDF	-3 Red Nylon -5 Blue Nylon -63 Red Polypropylene -8 Gray Nylon -91 White Polycarbonate -9002 Radiation Stable Polycarbonate					
	CF104 (-6) Male Luer Integral Lock Ring Plug, Ø.033 Orifice at Luer Tip	CF184 (-1) Female Luer To Catheter Handle					
			R				
	CF226 (-6) High Flow Connector to 500 Series Barb, 1/4" (6.4 mm) ID Tubing (May be used with separate rotating lock ring; CF227)	CF210 (-6) Male Luer to Female Luer Thread Style Coupler (Ø.125 Center Bond-in Port)	VALUE P				
		CF213 (-3)	VALUE PLASTICS; INC.				
	CF304 (-6) High Flow Connector Body with 500 Series Barb, 3/8" (9.5 mm) ID Tubing	Male Luer Integral Lock Ring Plug, Closed at Grip (Ø.055 to Ø.060 Core)	INC.				
		CF224 (-9) Male Luer Integral Lock Ring to 500 Series Barb, 5/32" (4 mm) ID Tubing (Ø.076 Bore)	HIK				
DESIGN CENTER	CF015 (-1) Female Luer Lug Style Flare to M6x.75 Thread		KOM				
		CF233 (-6) Female Extended Luer Thread Style to 200 Series Barb, 1/16" (1.6 mm) ID Tubing	CH				
	CF131 (-1) Male Luer Integral Lock Ring Plug, Closed at Grip <i>(Short Luer)</i>		- +61(0)3 9762 2034				
		CF235 (-9 -91) Male Luer to Female Luer Thread Style Coupler (Ø.023 Thru Bore with Ø.033 Male Side Bond-in Port)	4				
	CF141 (-9) Male Luer to Female Luer Thread Style Coupler <i>(Ø.045 Thru Bore with Ø.055 Male Side</i>		Australian Dis Importers & Ma				
	Bond-in Port)	CF239 (-6) Male Luer Integral Lock Ring to Female Luer Thread Style Extended Coupler	Distributors; Nanufacturers				
			5 SFS				
	CF148 (-9002) Male Luer to Female Luer Thread Style Coupler (Ø.045 Thru Bore with Ø.080 Male Side Bond-in Port)	CF322 (-1) Female Luer Lug Style Flare to 1/4-32 UNF Thread					

Website : www.chromtech.net.au E-mail : info@chromtech.net.au TelNo : 03 9762 2034 . . . in AUSTRALIA

CUSTOM TUBE-TO-TUBE FITTINGS:

CUSTOM THREADED:

-1 White Nylon -6 Natural Polypropylene -81 Lace White ABS -J1A Natural Kynar PVDF -2 Black Nylon -62 Black Polypropylene -9 Clear Polycarbonate

CF006 (-81)

Elbow Connector with One Classic Series Barb, 1/8" (3.2 mm) Tubing



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



CF231 (-1 -5 -JIA) Tee Reduction Connector with 200 and 400 Series Barbs, 1/8" (3.2 mm) and 3/32" (2.4 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



Material Suffix Key

- -3 Red Nylon -63 Red Polypropylene -91 White Polycarbonate
- -5 Blue Nylon -8 Gray Nylon -9002 Radiation Stable Polycarbonate

CF001 (-6) Bottom Sealing 1/4-28 UNF Thread To Classic Series Barb, 1/16" (1.6 mm) ID Tubing



CF020 (-6 -62 -63) Custom 1/4:28 UNF Bottom Sealing Thread Tube End Coupler (Extended length) 1/8" (3.2 mm) OD Tubing



CF022 (-2) 10-32 UNF Thread with 1/4" Hex to Classic Series Barb, 1/16" (1.6 mm) ID Tubing



CF165 (-6)

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 (-6) 1/4-28 UNF Thread Plug with O-Ring Seal and 5/16" Hex



CF173 (-6) 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



VALUE PLASTICS; INC. HROMalytic +61(0)3 9762 2034 Australian Distributors; ECH ROLOGY Pty Ltd Importers & Manufacturers





CUSTOM TUBE-TO-TUBE FITTINGS PG-39

TUBE-TO-TUBE Tube-to-tube fittings

Tube-to-tube fittings join lengths of tubing and are available, depending on the Series, in versions to fit the following tubing IDs and barb configurations

Value Plastics tube-to-tube fittings are available in 11 different basic configurations and 4 different barb styles to fit 6 IDs of tubing between 1/16" (1.6 mm) and 1/4" (6.4 mm) tubing IDs. They are available from stock most commonly in nylon, polypropylene, polycarbonate and PVDF. Other materials are available on special order.

AVAILABLE BARB STYLES

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

TUBE-TO-TUBE: Straight Through

-1 White Nylon -4 Green Nylon -6 Natural Polypropylene -9 Clear Polycarbonate

-10 Acetal -5 Blue Nylon -6005 Animal-Free Polypropylene -9002 Radiation Stable Polycarbonate

N004 (-1 -2 -6 -9 -J1A) Straight Through Connector with 500 Series Barbs, 1/16" (1.6 mm) ID Tubing



N210 (-1 -2 -6 -9 -J1A) Straight Through Connector with 200 Series Barbs, 1/16" (1.6 mm) ID Tubing

100 (C 10 10 10

N410 (-1 -2 -6 -J1A) Straight Through Connector with 400 Series Barbs, 1/16" (1.6 mm) ID Tubing

AA (-1 -2 -6 -9 -J1A) Straight Through Connector with Classic Series Barbs, 1/16" (1.6 mm) ID Tubing



N007 (-1 -2 -6 -6005 -9 -J1A) Straight Through Connector with 500 Series Barbs, 3/32" (2.4 mm) ID Tubing



N220 (-1 -2 -6 -9 -9002 -J1A) Straight Through Connector with 200 Series Barbs, 3/32" (2.4 mm) ID Tubing

N420 (-1 -2 -6 -JIA) Straight Through Connector with 400 Series Barbs, 3/32" (2.4 mm) ID Tubing

DD (-1 -2 -6 -9 -JIA) Straight Through Connector with Classic Series Barbs, 3/32" (2.4 mm) ID Tubing



N013 (-1 -2 -6 -6005 -9 -J1A -9002) Straight Through Connector with 500 Series Barbs, 1/8" (3.2 mm) ID Tubing



N230 (-1 -2 -3 -5 -6 -9 -J1A) Straight Through Connector with 200 Series Barbs, 1/8" (3.2 mm) ID Tubing



N430 (-1 -2 -6) Straight Through Connector with 400 Series Barbs, 1/8" (3.2 mm) ID Tubing



-8003 Natural ABS -9010 Radiation Stable Polycarbonate CC (-1 -2 -6 -9 -J1A)

Material Suffix Key

-2 Black Nylon

-06 Orange Nylon

-3 Red Nylon -07 Yellow Nylon -81 Lace White ABS -J1A Natural Kynar PVDF

CC (-1 -2 -6 -9 -J1A) Straight Through Connector with Classic Series Barbs, 1/8" (3.2 mm) ID Tubing



N025 (-1 -2 -6 -6005 -9 -J1A) Straight Through Connector with 500 Series Barbs, 5/32" (4.0 mm) ID Tubing



N440 (-1 -2 -5 -6 -9 -J1A) Straight Through Connector with 400 Series Barbs, 5/32" (4.0 mm) ID Tubing



4040 (-1 -2 -6 -9 -J1A) Straight Through Connector with Classic Series Barbs, 5/32" (4.0 mm) ID Tubing



N035 (-1 -2 -6 -6005 -9 -J1A) Straight Through Connector with 500 Series Barbs, 3/16" (4.8 mm) ID Tubing



5050 (-1 -2 -6 -9 -9002 -J1A) Straight Through Connector with Classic Series Barbs, 3/16" (4.8 mm) ID Tubing





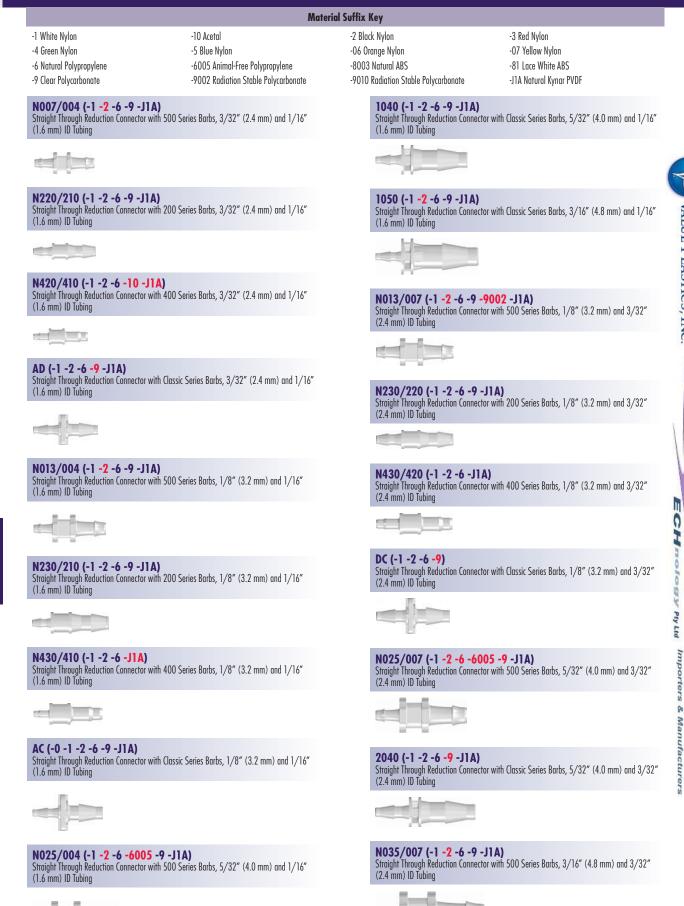


6060 (-1 -2 -6 -9 -9002 -JIA) Straight Through Connector with Classic Series Barbs, 1/4" (6.4 mm) ID Tubing



N065 (-1 -2 -6 -9 -J1A) Straight Through Connector with 500 Series Barbs, 5/16" (8 mm) ID Tubing





VALUE PLASTICS; INC

HROM = IYEIC +61(0)3 9762 2034

Australian Distributors;

-1 White Nylon

-4 Green Nylon

-6 Natural Polypropylene

-9 Clear Polycarbonate

Material Suffix Key

-2 Black Nylon -06 Orange Nylon -8003 Natural ABS

2050 (-1 -2 -6 -9 -J1A)

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

-10 Acetal

-5 Blue Nylon

-6005 Animal-Free Polypropylene

-9002 Radiation Stable Polycarbonate



N025/013 (-1 -2 -6 -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 -6 -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 -6 -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

		.	
-		100	
-			
	-	1	

3050 (-1 -2 -5 -6 -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 Tubina



N055/013 (-1 -2 -6 -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 -6 -6005 -9 -J1A)

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



N070/013 (-0 -6 -6005 -9 -J1A) Straight Through Reduction Connector with 500 Series Barbs, 3/8" (9.5 mm) and 1/8" (3.2 mm) ID Tubing



-9010 Radiation Stable Polycarbonate

-3 Red Nylon -07 Yellow Nylon -81 Lace White ABS -J1A Natural Kynar PVDF

N035/025 (-1 -2 -6 -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 -6 -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 -6 -6005 -9 -J1A)

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



4060 (-1 -2 -6 -9 -J1A)

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



N065/025 (-1 -2 -6 -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 -6 -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 -6 -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



43

TUBE-TO-TUBE: Straight Through Reducer

44

TUBE-TO-TUBE:

Material Suffix Key

-1 White Nylon

- -4 Green Nylon
- -6 Natural Polypropylene
- -9 Clear Polycarbonate

-6005 Animal-Free Polypropylene -9002 Radiation Stable Polycarbonate

-10 Acetal

-5 Blue Nylon

N065/035 (-1 -2 -6 -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 -6 -9 -J1A)

Straight Through Reduction Connector with 500 Series Barbs, $5/16^{\prime\prime}$ (8.0 mm) and $1/4^{\prime\prime}$ (6.4 mm) ID Tubing



N070/055 (-0 -6 -9)

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



TUBE-TO-TUBE: Elbow

L210 (-1 -2 -6 -9 -J1A) Elbow Connector with 200 Series Barbs, 1/16" (1.6 mm) ID Tubing



TUBE-TO-TUBE

L410 (-1 -2 -6 -J1A)

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

ſ

L10 (-1 -2 -6 -J1A) Elbow Connector with Classic Series Barbs, 1/16" (1.6 mm) ID Tubing



L220 (-1 -2 -6 -9 -9002 -J1A) Elbow Connector with 200 Series Barbs, 3/32" (2.4 mm) ID Tubing



L420 (-1 -2 -6 -J1A) Elbow Connector with 400 Series Barbs, 3/32" (2.4 mm) ID Tubing



-2 Black Nylon -06 Orange Nylon -8003 Natural ABS -9010 Radiation Stable Polycarbonate

-3 Red Nylon -07 Yellow Nylon -81 Lace White ABS -J1A Natural Kynar PVDF





L230 (-1 -2 -6 -9 -J1A) Elbow Connector with 200 Series Barbs, 1/8" (3.2 mm) ID Tubing



L430 (-1 -2 -6 -J1A) Elbow Connector with 400 Series Barbs, 1/8" (3.2 mm) ID Tubing



L30 (-1 -2 -6 -J1A) Elbow Connector with Classic Series Barbs, 1/8" (3.2 mm) ID Tubing



L40 (-1 -2 -6 -J1A) Elbow Connector with Classic Series Barbs, 5/32" (4.0 mm) ID Tubing



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



L50 (-1 -2 -6 -J1A) Elbow Connector with Classic Series Barbs, 3/16" (4.8 mm) ID Tubing

TUBE-TO-TUBE: Elbow

TUBE-TO-TUBE:

Elbow Reducer

-1 White Nylon

- -4 Green Nylon
- -6 Natural Polypropylene
- -9 Clear Polycarbonate

-10 Acetal -5 Blue Nylon -6005 Animal-Free Polypropylene -9002 Radiation Stable Polycarbonate

L60 (-1 -2 -6 -J1A) Elbow Connector with Classic Series Barbs, 1/4" (6.4 mm) ID Tubing



TUBE-TO-TUBE: Elbow Reducer

L220/210 (-1 -2 -6 -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 -6 -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 -6 -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 -6 -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 -6 -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 -6 -J1A) Elbow Reduction Connector with 400 Series Barbs, 1/8" (3.2 mm) and 3/32" (2.4 mm) ID Tubing



-2 Black Nylon -06 Orange Nylon -8003 Natural ABS -9010 Radiation Stable Polycarbonate

Material Suffix Key

-3 Red Nylon -07 Yellow Nylon -81 Lace White ABS -J1A Natural Kynar PVDF

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



TUBE-TO-TUBE: Tee



T410 (-1 -2 -6 -J1A) Tee Connector with 400 Series Barbs, 1/16" (1.6 mm) ID Tubing



T10 (-1 -2 -6 -J1A) Tee Connector with Classic Series Barbs, 1/16" (1.6 mm) ID Tubing



T220 (-1 -2 -6 -9 -J1A) Tee Connector with 200 Series Barbs, 3/32" (2.4 mm) ID Tubing



T420 (-1 -2 -6 -J1A) Tee Connector with 400 Series Barbs, 3/32" (2.4 mm) ID Tubing



T20 (-1 -2 -6 -J1A) Tee Connector with Classic Series Barbs, 3/32" (2.4 mm) ID Tubing



T230 (-1 -2 -5 -6 -9 -J1A) Tee Connector with 200 Series Barbs, 1/8" (3.2 mm) ID Tubing



T430 (-1 -2 -6 -9002 -J1A) Tee Connector with 400 Series Barbs, 1/8" (3.2 mm) ID Tubing



46

TUBE-TO-TUBE: Tee Reducer

Material Suffix Key

- -1 White Nylon
- -4 Green Nylon -6 Natural Polypropylene
- O NUTUTUT FOTYPTOPYTET
- -9 Clear Polycarbonate

carbonate -9002 Radiation Stable Polycarbonate

-10 Acetal

-5 Blue Nylon

-6005 Animal-Free Polypropylene

T013 (-6005) Tee Connector with 500 Series Barbs, 1/8" (3.2 mm) ID Tubing



T30 (-1 -2 -6 -9 -J1A) Tee Connector with Classic Series Barbs, 1/8" (3.2 mm) ID Tubing



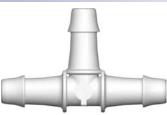
T40 (-1 -2 -6 -J1A) Tee Connector with Classic Series Barbs, 5/32" (4 mm) ID Tubing



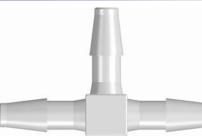
T50 (-1 -2 -6 -J1A) Tee Connector with Classic Series Barbs, 3/16" (4.8 mm) ID Tubing



T055 (-6005) Tee Connector with 500 Series Barbs, 1/4" (6.4 mm) ID Tubing



T60 (-1 -2 -6 -J1A) Tee Connector with Classic Series Barbs, 1/4" (6.4 mm) ID Tubing



-2 Black Nylon -06 Orange Nylon -8003 Natural ABS -9010 Radiation Stable Polycarbonate

-3 Red Nylon -07 Yellow Nylon -81 Lace White ABS -J1A Natural Kynar PVDF

T210/220 (-1 -2 -6 -9 -J1A) Tee Reduction Connector with 200 Series Barbs, 1/16" (1.6 mm) and 3/32"

(2.4 mm) ID Tubing



T410/420 (-1 -2 -6 -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 -6 -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 -6 -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 -6 -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 -6 -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 -6 -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 -6 -9 -J1A) Tee Reduction Connector with 200 Series Barbs, 1/8" (3.2 mm) and 1/16" (1.6 mm) ID Tubing



TUBE-TO TUBE

TUBE-TO-TUBE: Tee Reducer

- -1 White Nylon
- -4 Green Nylon
- -6 Natural Polypropylene
- -9 Clear Polycarbonate

-10 Acetal -5 Blue Nylon -6005 Animal-Free Polypropylene -9002 Radiation Stable Polycarbonate

T210/230 (-1 -2 -6 -9 -J1A)

Tee Reduction Connector with 200 Series Barbs, $1/16^{\prime\prime}$ (1.6 mm) and $1/8^{\prime\prime}$ (3.2 mm) ID Tubing



T410/430 (-1 -2 -6 -J1A) Tee Reduction Connector with 400 Series Barbs, 1/16" (1.6 mm) and 1/8" (3.2 mm) ID Tubing



T230R210 (-1 -2 -6 -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 -6 -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 -6 -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 -6 -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 -6 -9 -J1A) Tee Reduction Connector with 200 Series Barbs, 1/8" (3.2 mm) and 3/32" (2.4 mm) ID Tubing



Material Suffix Key

-2 Black Nylon -06 Orange Nylon -8003 Natural ABS -9010 Radiation Stable Polycarbonate -3 Red Nylon -07 Yellow Nylon -81 Lace White ABS -J1A Natural Kynar PVDF

T430/420 (-1 -2 -3 -6 -J1A)

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







T430R420 (-1 -2 -6 -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 -6 -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 -6 -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 -6 -9 -J1A) Tee Reduction Connector with 200 and 300 Series Barbs, 1/4" (6.4 mm) and 3/16" (4.8 mm) ID Tubing



LARGER TEE REDUCERS - For larger Tee Reducers for 3/8" to 1" IDs refer to page 57...

VALUE PLASTICS; INC. HROM a Tytic +61(0)3 9762 2034 Australian Distributors; ECH mology Pty Ltd Importers & Manufacturors

- -1 White Nylon
- -4 Green Nylon
- -6 Natural Polypropylene
- -9 Clear Polycarbonate

-5 Blue Nylon -6005 Animal-Free Polypropylene -9002 Radiation Stable Polycarbonate

-10 Acetal





Y410 (-1 -2 -6 -J1A) Y Connector with 400 Series Barbs, 1/16" (1.6 mm) ID Tubing



Y220 (-1 -2 -6 -9 -J1A) Y Connector with 200 Series Barbs, 3/32" (2.4 mm) ID Tubing



Y420 (-1 -2 -6 -J1A) Y Connector with 400 Series Barbs, 3/32" (2.4 mm) ID Tubing



Y230 (-1 -2 -3 -6 -9 -9010 -J1A) Y Connector with 200 Series Barbs, 1/8" (3.2 mm) ID Tubing



Y430 (-1 -2 -6 -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 -6 -9 -J1A) Y Connector with 200 Series Barbs, 5/32" (4.0 mm) ID Tubing



-2 Black Nylon -06 Orange Nylon -8003 Natural ABS -9010 Radiation Stable Polycarbonate

Material Suffix Key

-3 Red Nylon -07 Yellow Nylon -81 Lace White ABS -J1A Natural Kynar PVDF

Y250 (-1 -2 -6 -9 -9002 -J1A) Y Connector with 200 Series Barbs, 3/16" (4.8 mm) ID Tubing



Y450 (-1 -2 -6 -J1A) Y Connector with 400 Series Barbs, 3/16" (4.8 mm) ID Tubing



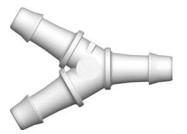
Y260 (-1 -2 -6 -9 -9002 -J1A) Y Connector with 200 Series Barbs, 1/4" (6.4 mm) ID Tubing



Y460 (-1 -2 -6 -9 -J1A) Y Connector with 400 Series Barbs, 1/4" (6.4 mm) ID Tubing



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



Website : www.chromtech.net.au E-mail : info@chromtech.net.au TelNo : 03 9762 2034 . . . in AUSTRALIA

TUBE-TO-TUBE

TUBE-TO-TUBE: Multiport

- -1 White Nylon -4 Green Nylon
- -6 Natural Polypropylene
- -9 Clear Polycarbonate

-10 Acetal -5 Blue Nylon -6005 Animal-Free Polypropylene -9002 Radiation Stable Polycarbonate

3PF210 (-1 -6)

Three-port F Style Manifold with 200 Series Barbs for 1/16" (1.6 mm) ID Tubing



3PF220 (-1 -6) Three-port F Style Manifold with 200 Series Barbs for 3/32" (2.4 mm) ID Tubing



3PF230 (-1 -6)

Three-port F Style Manifold with 200 Series Barbs for 1/8" (3.2 mm) ID Tubing



4PX210 (-1 -6) Four-port Cross Style Manifold with 200 Series Barbs for 1/16" (1.6 mm) ID Tubing



4PX220 (-1 -6) Four-port Cross Style Manifold with 200 Series Barbs for 3/32" (2.4 mm) ID Tubing



4PX230 (-1 -6) Four-port Cross Style Manifold with 200 Series Barbs for 1/8" (3.2 mm) ID Tubing



4PDL210 (-1 -6) Four-port Double Elbow Style Manifold with 200 Series Barbs, 1/16" (1.6 mm) ID Tubing



Material Suffix Key

-2 Black Nylon -06 Orange Nylon -8003 Natural ABS -9010 Radiation Stable Polycarbonate

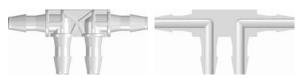
-3 Red Nylon -07 Yellow Nylon -81 Lace White ABS -J1A Natural Kynar PVDF

4PDL220 (-1 -6) Four-port Double Elbow Style Manifold with 200 Series Barbs, 3/32" (2.4 mm) ID Tubing



4PDL230 (-1 -6)

Four-port Double Elbow Style Manifold with 200 Series Barbs, 1/8" (3.2 mm) ID Tubing



4PLL210 (-1 -6)

Four-port Thru Flow Double Elbow Style Manifold with 200 Series Barbs, 1/16" (1.6 mm) ID Tubing



4PLL220 (-1 -6)

Four-port Thru Flow Double Elbow Style Manifold with 200 Series Barbs, 3/32" (2.4 mm) ID Tubing



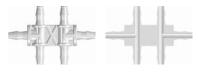
4PLL230 (-1 -2 -6)

Four-port Thru Flow Double Elbow Style Manifold with 200 Series Barbs, 1/8* (3.2 mm) ID Tubing



6PDT210 (-1 -6)

Six-port Double T Style Manifold with 200 Series Barbs for 1/16" (1.6 mm) ID Tubing



6PDT220 (-1 -6)

Six-port Double T Style Manifold with 200 Series Barbs for 3/32" (2.4 mm) ID Tubing





50

TUBE-TO-TUBE: Press-In Plugs

-1 White Nylon

- -4 Green Nylon
- -6 Natural Polypropylene
- -9 Clear Polycarbonate

6PDT230 (-1 -6)

Six-port Double T Style Manifold with 200 Series Barbs for 1/8" (3.2 mm) ID Tubing

-10 Acetal

-5 Blue Nylon

-6005 Animal-Free Polypropylene

-9002 Radiation Stable Polycarbonate

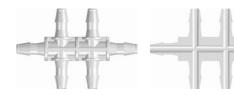


6PTT210 (-1 -6) Six-port Thru Flow Double T Style Manifold with 200 Series Barbs for 1/16" (1.6 mm) ID Tubing



6PTT220 (-1 -6)

Six-port Thru Flow Double T Style Manifold with 200 Series Barbs for $3/32^{\prime\prime}$ (2.4 mm) ID Tubing



TUBE-TO-TUBE

6PTT230 (-1 -6)

Six-port Thru Flow Double T Style Manifold with 200 Series Barbs for 1/8" (3.2 mm) ID Tubing



-2 Black Nylon -06 Orange Nylon -8003 Natural ABS -9010 Radiation Stable Polycarbonate

Material Suffix Key

-3 Red Nylon -07 Yellow Nylon -81 Lace White ABS -J1A Natural Kynar PVDF

VALUE PLASTICS; INC.

HROM alytic +61(0)3 9762 2034 Australian Distributors; Importers & Manufacturers

PIP210 (-1 -2 -6 -J1A) Press-In Plug with 200 Series Barb, 1/16" (1.6 mm) ID Tubing



PIP220 (-1 -2 -6 -J1A) Press-In Plug with 200 Series Barb, 3/32" (2.4 mm) ID Tubing



PIP20 (-1 -2 -6 -J1A) Press-In Plug with Classic Series Barb, 3/32" (2.4 mm) ID Tubing



PIP230 (-1 -2 -6 -J1A) Press-In Plug with 200 Series Barb, 1/8" (3.2 mm) ID Tubing



PIP30 (-1 -2 -6 -J1A) Press-In Plug with Classic Series Barb, 1/8" (3.2 mm) ID Tubing



PIP240 (-1 -2 -6 -J1A) Press-In Plug with 200 Series Barb, 5/32" (4.0 mm) ID Tubing



PIP40 (-1 -2 -6 -J1A) Press-In Plug with Classic Series Barb, 5/32" (4.0 mm) ID Tubing



PIP50 (-1 -2 -6 -J1A) Press-In Plug with Classic Series Barb, 3/16" (4.8 mm) ID Tubing



PIP60 (-1 -2 -6 -J1A) Press-In Plug with Classic Series Barb, 1/4" (6.4 mm) ID Tubing



TUBE-TO-TUBE: Ultrasonically Weldable Barb

TUBE-TO-TUBE PANEL MOUNT ACCESSORIES:

Lock Nuts and Color Coding Rings



- -4 Green Nylon
- -6 Natural Polypropylene

-9 Clear Polycarbonate

-10 Acetal -5 Blue Nylon -6005 Animal-Free Polypropylene -9002 Radiation Stable Polycarbonate

Ultacsonically 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 -6) Panel Mount Connector 10-32 UNF to 200 Series Barbs, 1/16" (1.6 mm) ID Tubing



PMK220 (-1 -6) Panel Mount Connector 10-32 UNF to 200 Series Barbs, 3/32" (2.4 mm) ID Tubing



PMS230 (-1 -6) Panel Mount Connector 1/4-28 UNF to 200 Series Barbs, 1/8" (3.2 mm) ID Tubing



PMK220-210 (-1 -6) 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 -6) 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 -6) 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



-2 Black Nylon -06 Orange Nylon -8003 Natural ABS -J1A Natural Kynar PVDF

Material Suffix Key

-3 Red Nylon -07 Yellow Nylon -81 Lace White ABS -XO Stainless Steel

CCR (-1 -2 -3 -4 -5 -06 -07) Color Coded Ring (For use with PMS, PMK, FTLB 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 1/428 UNF with 7/16'' Hex (For use with PMS, FTLB, and FTLLB panel mount fittings)



LNS (-1 -2 -3 -4 -5 -06 -07 -6 -81 -J1A) 1/4-28 UNF Panel Mount Lock Nut (For use with PMS, FTLB or FTLB panel mount fittings)



SELECT THE CORRECT LOCK NUT FOR YOUR PANEL MOUNT:

PART	Dimension A	Use Lock Nut
PMK Series	.193"	РМКМ
PMS Series	.255"	PMSN or LNS

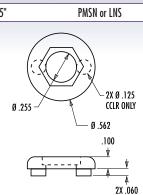
2X Ø .128

.505

Dimension A

Dimension A

2X .128



CCLR ONLY

LARGE TURE-TO-TURE

STRAIGHT THROUGH PG-53

STRAIGHT THROUGH REDUCER PG-54

Υ PG-55

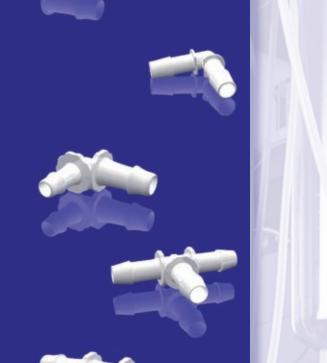
PRESS-IN PLUGS PG-55

ELBOW PG-56

ELBOW REDUCER PG-56

TEE PG-57

TEE REDUCER PG-57



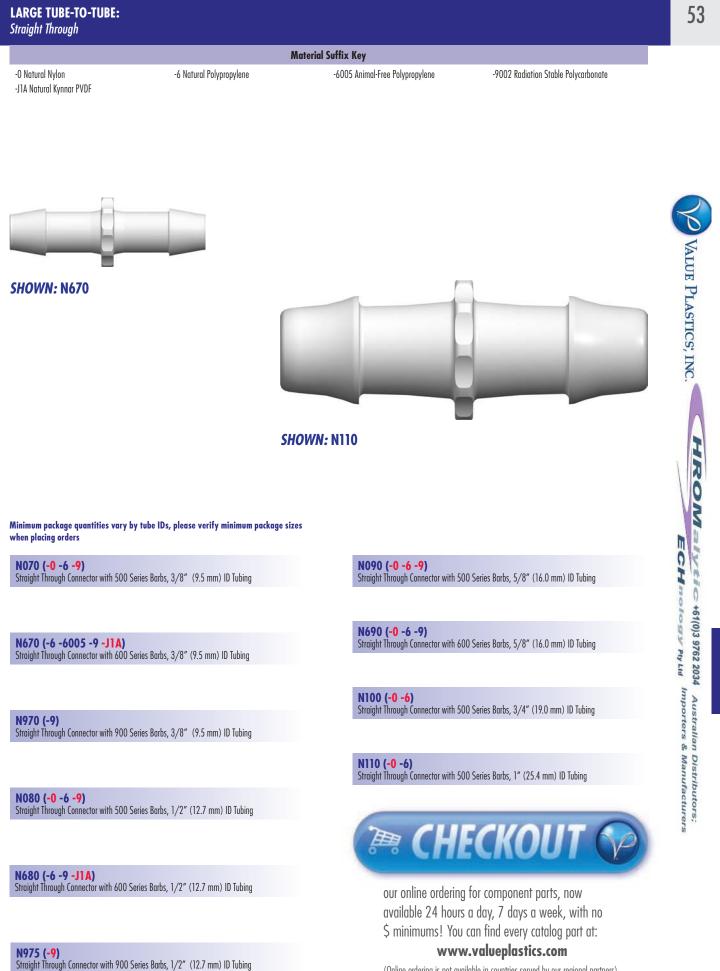
LARGE TUBE-TO-TUBE

Large tube-to-tube fittings encompass sizes fitting tubing IDs between 3/8" (9.5 mm) and 1.0" (25.4 mm). They are available from stock in 3 barb styles, most commonly in animalfree and natural polypropylene and polycarbonate resins, with PVDF available as an option and other materials available on special order.

AVAILABLE BARB STYLES

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

VALUE PLASTICS; INC.



(Online ordering is not available in countries served by our regional partners)

-0 Natural Nylon

-J1A Natural Kynnar PVDF

Material Suffix Key

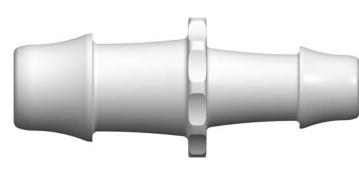
-6 Natural Polypropylene

-6005 Animal-Free Polypropylene

-9002 Radiation Stable Polycarbonate



SHOWN: N070/013



SHOWN: N110/100

N070/055 (-0 -6 -9)

(6.4 mm) ID Tubing

Minimum package quantities vary by tube IDs, please verify minimum package sizes when placing orders

N070/013 (-0 -6 -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 (-6 -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 (-6 -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 (-6 -9) Straight Through Reduction Connector with 600 Series Barbs, 1/2" (12.7 mm) and 3/8" (9.5 mm) ID Tubing

N690/655 (-6 -9) Straight Through Reduction Connector with 600 Series Barbs, 5/8" (16.0 mm) and 1/4" (6.4 mm) ID Tubing

N690/670 (-6 -9) Straight Through Reduction Connector with 600 Series Barbs, 5/8" (16.0 mm) and 3/8" (9.5 mm) ID Tubing

N080/055 (-0 -6 -6005 -9)

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

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

N090/055 (-0 -6) Straight Through Reduction Connector with 500 Series Barbs, 5/8" (16.0 mm) and 1/4" (6.4 mm) ID Tubing

N080/070 (-0 -6 -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 -6) Straight Through Reduction Connector with 500 Series Barbs, 5/8" (16.0 mm) and 3/8" (9.5 mm) ID Tubing

N100/080 (-0 -6) Straight Through Reduction Connector with 500 Series Barbs, 3/4" (19.0 mm) and 1/2" (12.7 mm) ID Tubing

N6110/6100 (-6 -9)

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

N110/100 (-0 -6) Straight Through Reduction Connector with 500 Series Barbs, $1^{\prime\prime}$ (25.4 mm) and $3/4^{\prime\prime}$ (19.0 mm) 1D Tubing

Website : www.chromtech.net.au E-mail : info@chromtech.net.au TelNo : 03 9762 2034 . . . in AUSTRALIA

LARGE TUBE-

TO-TUBE

-0 Natural Nylon

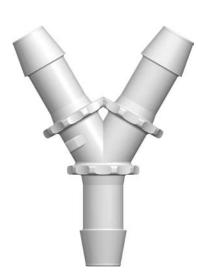
-J1A Natural Kynnar PVDF

Material Suffix Key

-6005 Animal-Free Polypropylene

-6 Natural Polypropylene

-9002 Radiation Stable Polycarbonate



SHOWN: Y670

SHOWN: Y110

Minimum package quantities vary by tube IDs, please verify minimum package sizes when placing orders

Y070 (-0 -6 -9) Y Connector with 500 Series Barbs, 3/8" (9.5 mm) ID Tubing

Y670 (-6 -9) Y Connector with 600 Series Barbs, 3/8" (9.5 mm) ID Tubing

Y080 (-0 -6 -9) Y Connector with 500 Series Barbs, 1/2" (12.7 mm) ID Tubing

Y680 (-6 -9 -J1A) Y Connector with 600 Series Barbs, 1/2" (12.7 mm) ID Tubing

Y090 (-0 -6 -J1A) Y Connector with 500 Series Barbs, 5/8" (16.0 mm) ID Tubing

Y100 (-0 -6 -6005 -J1A) Y Connector with 500 Series Barbs, 3/4" (19.0 mm) ID Tubing

Y110 (-0 -6) Y Connector with 500 Series Barbs, 1" (25.4 mm) ID Tubing

Website : www.chromtech.net.au E-mail : info@chromtech.net.au TelNo : 03 9762 2034 . . . in AUSTRALIA

LARGE TUBE-TO-TUBE:

PIP070 (-0 -6) Press-In Plug with 500 Series Barb, 3/8" (9.5 mm) ID Tubing

Press-In Plug with 500 Series Barb, 1/2" (12.7 mm) ID tubing

Press-In Plugs

PIP080 (-6)

VALUE PLASTICS; INC.

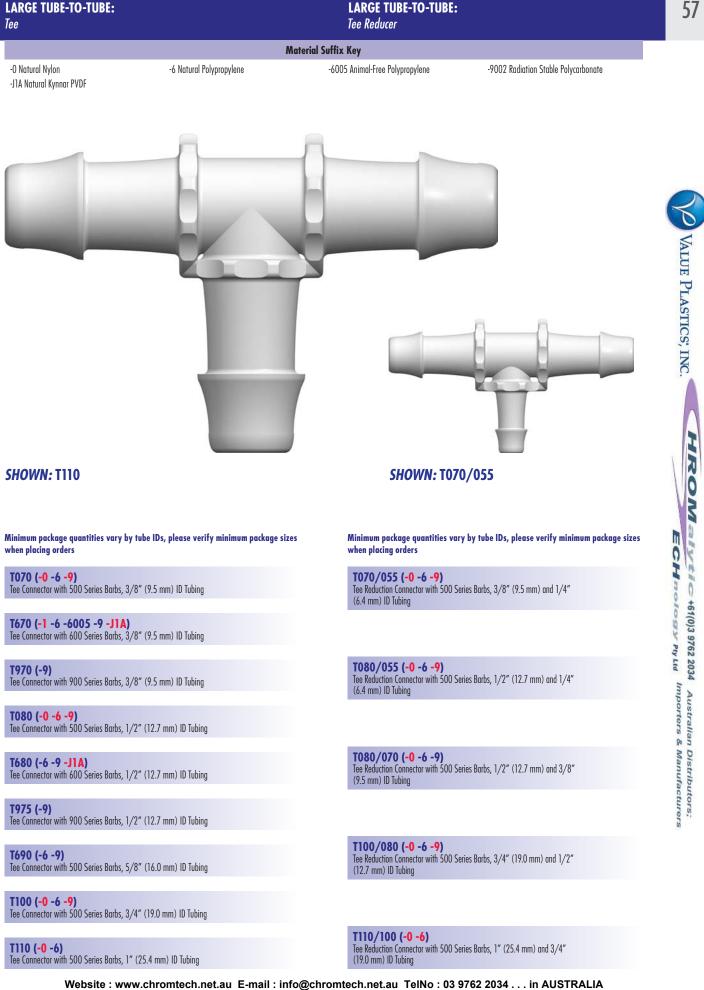
ECHnology Ptyted Importers & Manufacturers

56

LARGE TUBE-TO-TUBE: Elbow Reducer

Elbow **Material Suffix Key** -0 Natural Nylon -6 Natural Polypropylene -6005 Animal-Free Polypropylene -9002 Radiation Stable Polycarbonate -J1A Natural Kynnar PVDF VALUE PLASTICS; INC **SHOWN: L6110** SHOWN: L070/055 **SHOWN: L070** SHOWN: L110/100 Minimum package quantities vary by tube IDs, please verify minimum package sizes Minimum package quantities vary by tube IDs, please verify minimum package sizes ECHNO when placing orders when placing orders L070 (-0 -6) L070/055 (-0 -6) Elbow Connector with 500 Series Barbs, 3/8" (9.5 mm) ID Tubing Elbow Reduction Connector with 500 Series Barbs, 3/8" (9.5 mm) and 1/4" (6.4 mm) ID Tubing L970 (-9) STY Pty Ltd Elbow Connector with 900 Series Barbs, 3/8" (9.5 mm) ID Tubing L080/070 (-0 -6) Elbow Reduction Connector with 500 Series Barbs, 1/2" (12.7 mm) and 3/8" L080 (-0 -6) Elbow Connector with 500 Series Barbs, 1/2" (12.7 mm) ID Tubing (9.5 mm) ID Tubing Importers & Manufacturors L975 (-9) Elbow Connector with 900 Series Barbs, 1/2" (12.7 mm) ID Tubing L100/080 (-0 -6) Elbow Reduction Connector with 500 Series Barbs, 3/4" (19.0 mm) and 1/2" L090 (-0 -6) (12.7 mm) ID Tubing Elbow Connector with 500 Series Barbs, 5/8" (16.0 mm) ID Tubing L100 (-0 -6 -6005) Elbow Connector with 500 Series Barbs, 3/4" (19.0 mm) ID Tubing L110/100 (-0 -6) Elbow Reduction Connector with 500 Series Barbs, 1" (25.4 mm) and 3/4" (19.0 mm) ID Tubing L110 (-0 -6) Elbow Connector with 500 Series Barbs, 1" (25.4 mm) ID Tubing LINE DRAWINGS L6110 (-6) Value Plastics provides dimensional drawings for all its Elbow Connector with 600 Series Barbs, 1" (25.4 mm) ID Tubing fittings. For further information, visit our website at CF494 (-6) Low-profile Elbow Connector with Custom 600 Series Barbs, 1" (25.4 mm) ID Tubing www.valueplastics.com.

HROMalytic +61(0)3 9762 2034 Australian Distributors;



100 piece minimums, unless noted in red text • 🗖 Red Text = Special order items • Volume pricing may be available for guantities 5,000 and over • Call for details!





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-39

VALUE PLASTICS THREAD SERIES 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.

K×	Value Plastics® Thread Series	Dimension A Thread Length	Clearance Needed to Achieve Chamfer Seal	Dimension B Countersink Diameter	Feature C Internal Screw Thread Series
$\leftarrow A \longrightarrow \underline{/30}^{\circ}$	Х	.200"	.250″	.210"230"	10-32 UNF 2B
	K, B, C, D	.156″	.200″	.210"230"	10-32 UNF 2B
B	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
<u> </u>					

THREAD: 10-32 UNF, Special Tapered Thread



VALUE PLASTICS; INC.

HROM = IYEIC +61(0)3 9762 2034

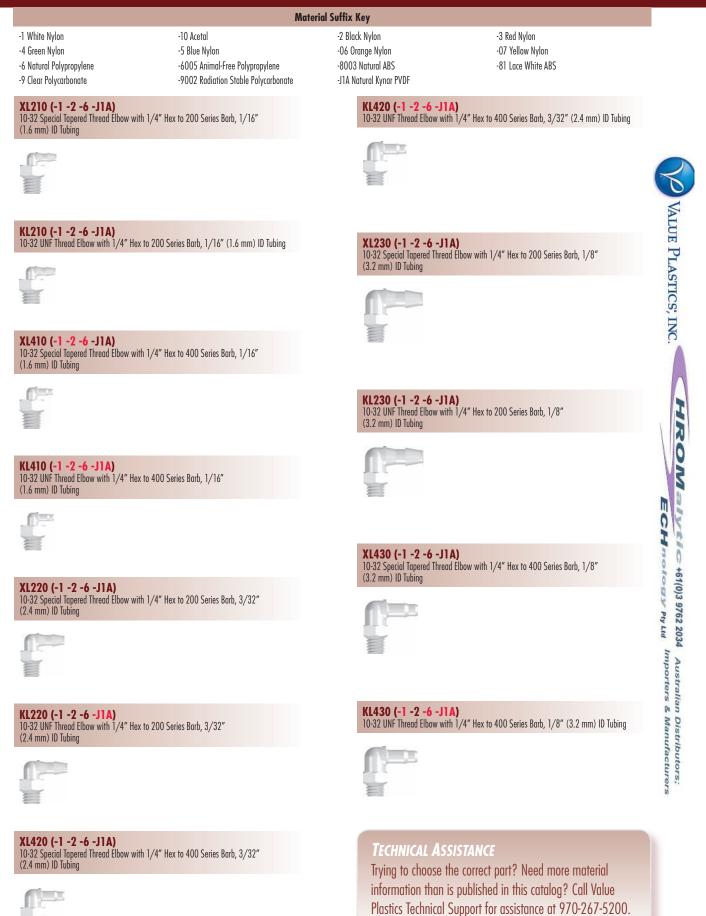
ECHINO

5

Pty Ltd

Importers

Australian Distributors; mporters & Manufacturers



THREADED

THREAD: 10-32 UNF, Special Tapered Thread Tee

- -1 White Nylon -4 Green Nylon
- -6 Natural Polypropylene
- -9 Clear Polycarbonate

-10 Acetal -5 Blue Nylon -6005 Animal-Free Polypropylene -9002 Radiation Stable Polycarbonate

XT210 (-1 -2 -6 -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 -6 -J1A) 10-32 UNF Thread Tee with 1/4" Hex to 200 Series Barb, 1/16" (1.6 mm) ID Tubing



XT410 (-1 -2 -6 -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 -6 -J1A) 10-32 UNF Thread Tee with 1/4" Hex to 400 Series Barb, 1/16" (1.6 mm) ID Tubing



XT220 (-1 -2 -6 -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 -6 -J1A) 10-32 UNF Thread Tee with 1/4" Hex to 200 Series Barb, 3/32" (2.4 mm) ID Tubing



XT420 (-1 -2 -6 -J1A) 10-32 Special Tapered Thread Tee with 1/4" Hex to 400 Series Barb, 3/32" (2.4 mm) ID Tubing



LINE DRAWINGS

Value Plastics provides line drawings for all its fittings. For further information, visit our website at www.valueplastics.com.

Material Suffix Key

-2 Black Nylon -06 Orange Nylon -8003 Natural ABS -J1A Natural Kynar PVDF

-3 Red Nylon -07 Yellow Nylon -81 Lace White ABS

KT420 (-1 -2 -6 -J1A) 10-32 UNF Thread Tee with 1/4" Hex to 400 Series Barb, 3/32" (2.4 mm) ID Tubing





XT230 (-1 -2 -6 -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 -6 -J1A) 10-32 UNF Thread Tee with 1/4" Hex to 200 Series Barb, 1/8" (3.2 mm) ID Tubing







XT430 (-1 -2 -6 -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 -6 -J1A) 10-32 UNF Thread Tee with 1/4" Hex to 400 Series Barb, 1/8" (3.2 mm) ID Tubing





our online ordering for component parts, now available 24 hours a day, 7 days a week, with no \$ minimums! You can find every catalog part at: www.valueplastics.com

(Online ordering is not available in countries served by our regional partners)

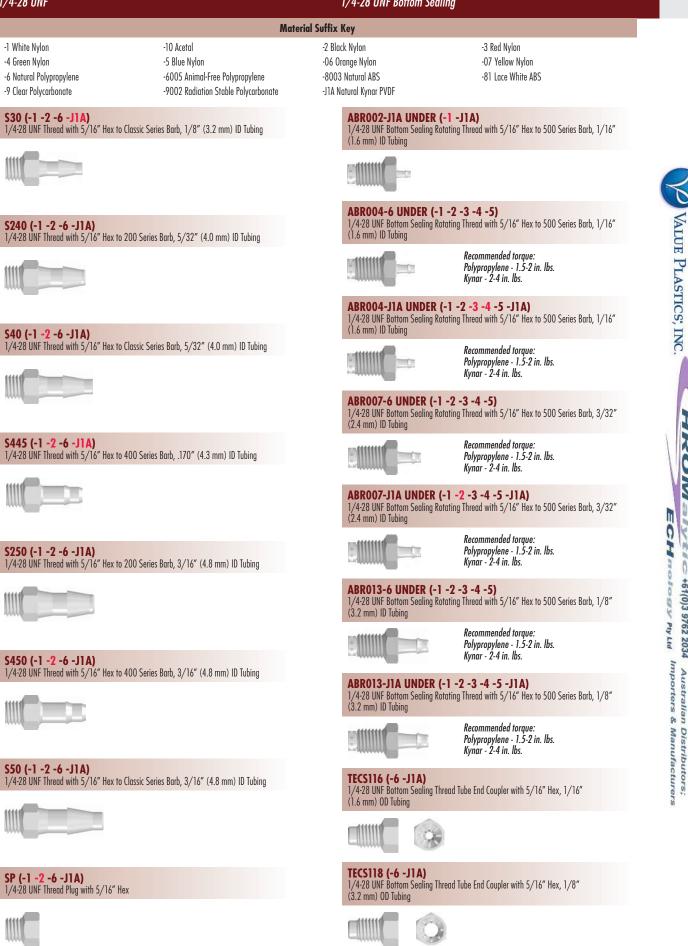


62



THREAD: 1/4-28 UNF Bottom Sealing





Website : www.chromtech.net.au E-mail : info@chromtech.net.au TelNo : 03 9762 2034 . . . in AUSTRALIA

HROM = 1 y EIC +61(0)3 9762 2034



THREAD: 1/16-27 NPT

-1 White Nylon -4 Green Nylon

- -6 Natural Polypropylene
- -9 Clear Polycarbonate

-10 Acetal -5 Blue Nylon -6005 Animal-Free Polypropylene -9002 Radiation Stable Polycarbonate

16210 (-1 -2 -6 -J1A)

1/16-27 NPT Thread with 5/16" Hex to 200 Series Barb, 1/16" (1.6 mm) ID Tubing



16410 (-1 -2 -6 -J1A) 1/16-27 NPT Thread with 5/16" Hex to 400 Series Barb, 1/16" (1.6 mm) ID Tubing



1610 (-1 -2 -6 -J1A) 1/16-27 NPT Thread with 5/16" Hex to Classic Series Barb, 1/16" (1.6 mm) ID Tubing



16220 (-1 -2 -6 -J1A) 1/16-27 NPT Thread with 5/16" Hex to 200 Series Barb, 3/32" (2.4 mm) ID Tubing



16420 (-1 -2 -6 -J1A) 1/16-27 NPT Thread with 5/16" Hex to 400 Series Barb, 3/32" (2.4 mm) ID Tubing



1620 (-1 -2 -6 -J1A) 1/16-27 NPT Thread with 5/16" Hex to Classic Series Barb, 3/32" (2.4 mm) ID Tubing



16230 (-1 -2 -6 -J1A) 1/16-27 NPT Thread with 5/16" Hex to 200 Series Barb, 1/8" (3.2 mm) ID Tubing



16430 (-1 -2 -6 -J1A) 1/16-27 NPT Thread with 5/16" Hex to 400 Series Barb, 1/8" (3.2 mm) ID Tubing



Material Suffix Key

-2 Black Nylon -06 Orange Nylon -8003 Natural ABS -J1A Natural Kynar PVDF

-3 Red Nylon -07 Yellow Nylon -81 Lace White ABS

1630 (-1 -2 -6 -J1A) 1/16-27 NPT Thread with 5/16" Hex to Classic Series Barb, 1/8" (3.2 mm) ID Tubing



16240 (-1 -2 -6 -J1A) 1/16-27 NPT Thread with 5/16" Hex to 200 Series Barb, 5/32" (4.0 mm) ID Tubing



1640 (-1 -2 -6 -J1A) 1/16-27 NPT Thread with 5/16" Hex to Classic Series Barb, 5/32" (4.0 mm) ID Tubing



16445 (-1 -2 -6 -J1A) 1/16-27 NPT Thread with 5/16" Hex to 400 Series Barb, .170" (4.3 mm) ID Tubing



16250 (-1 -2 -6 -J1A) 1/16-27 NPT Thread with 5/16" Hex to 200 Series Barb, 3/16" (4.8 mm) ID Tubing



16450 (-1 -2 -6 -J1A) 1/16-27 NPT Thread with 5/16" Hex to 400 Series Barb, 3/16" (4.8 mm) ID Tubing



1650 (-1 -2 -6 -J1A) 1/16-27 NPT Thread with 5/16" Hex to Classic Series Barb, 3/16" (4.8 mm) ID Tubing



1600 (-1 -2 -6 -J1A) 1/16-27 NPT Thread Plug with 5/16" Hex ECH mology Pty Ltd

VALUE PLASTICS; INC.





VALUE PLASTICS; INC.

HROM alytic +61(0)3 9762 2034 Australian Distributors:

.

THREAD:

Website : www.chromtech.net.au E-mail : info@chromtech.net.au TelNo : 03 9762 2034 . . . in AUSTRALIA

THREADED

THREAD: 1/8-27 NPT Plugs & Reducers

Material Suffix Key

-2 Black Nylon

-06 Orange Nylon

-8003 Natural ABS

-J1A Natural Kynar PVDF

-1 White Nylon

- -4 Green Nylon
- -6 Natural Polypropylene
- -9 Clear Polycarbonate

-10 Acetal -5 Blue Nylon -6005 Animal-Free Polypropylene -9002 Radiation Stable Polycarbonate

18L230 (-1 -2 -6 -J1A)

18L250 (-1 -2 -6 -J1A)

18L260 (-1 -2 -6 -J1A)

18T250 (-1 -2 -6 -J1A)

1/8-27 NPT Thread Elbow with 7/16" Hex to 200 Series Barb, 1/8" (3.2 mm) ID Tubing

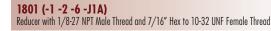
1/8-27 NPT Thread Elbow with 7/16" Hex to 200 Series Barb, 3/16" (4.8 mm) ID Tubing

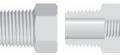
1/8-27 NPT Thread Elbow with 7/16" Hex to 200 Series Barb, 1/4" (6.4 mm) ID Tubing

1/8-27 NPT Thread Tee with 7/16" Hex to 200 Series Barb, 3/16" (4.8 mm) ID Tubing



1800 (-1 -2 -6 -J1A) 1/8-27 NPT Thread Plug with 7/16" Hex





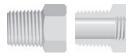




1802 (-1 -2 -6 -J1A) Reducer with 1/8-27 NPT Male Thread and 7/16" Hex to 1/4-28 UNF Female Thread

-3 Red Nylon

-07 Yellow Nylon -81 Lace White ABS

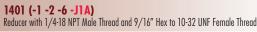






THREAD:

1/4-18 NPT Reducers



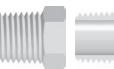








1402 (-1 -2 -6 -J1A) Reducer with 1/4-18 NPT Male Thread and 9/16" Hex to 1/4-28 UNF Female Thread





LINE DRAWINGS

Value Plastics provides line drawings for all its fittings. For further information, visit our website at www.valueplastics.com.

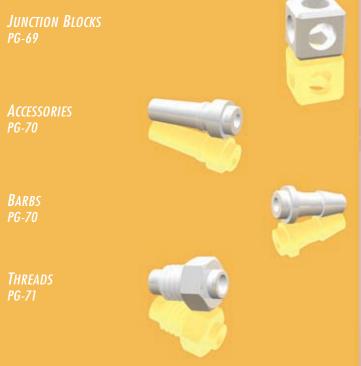


18T260 (-1 -2 -6 -J1A) 1/8-27 NPT Thread Tee with 7/16" Hex to 200 Series Barb, 1/4" (6.4 mm) ID Tubing









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 $\frac{1}{4}$ 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 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 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			
ZA	BDJ09-81	Lace White ABS			
	BDJ10-40	Polysulfone			
ZA	BDJ10-81	Lace White ABS			
	BDJ11-40	Polysulfone			
ZA	BDJ11-81	Lace White ABS			
	BDJ12-40	Polysulfone			
ZA	BDJ12-81	Lace White ABS			
	BDJ13-40	Polysulfone			
AR	BDJ13-81	Lace White ABS			
~ ~	BDJ14-40*	Polysulfone			
C.	BDJ14-81*	Lace White ABS			
~ ~	BDJ15-40*	Polysulfone			
	BDJ15-81*	Lace White ABS			

*Check valve junction block. For use with RB01 and SB01

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			
KA	BDJ17-81*	Lace White ABS			
	BDJ18-40	Polysulfone			
KA	BDJ18-81	Lace White ABS			
	BDJ19-40	Polysulfone			
	BDJ19-81	Lace White ABS			
	BDJ20-40	Polysulfone			
RA	BDJ20-81	Lace White ABS			
	BDJ21-40	Polysulfone			
RA	BDJ21-81 Lace	Lace White ABS			
	BDJ22-40	Polysulfone			
RA	BDJ22-81	Lace White ABS			
X - AXIS Y - AXIS					



Y + AXIS

X + AXIS

				-		
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	Male⁵	Female	Female		Female	Female
BDJ19	Male⁵	Female	Female	Female	Female	Female
BDJ20	Male⁵	Female	Female	Female		
BDJ21	Male⁵	Female	Female			
BDJ22	Male⁵	Female	Female		Female	
°For non-flow manifolding ^b For use with BDMD						

	Material Suffix Key	
-40 Polysulfone -6 Natural Polypropylene -9002 Radiation Stable Polycarbonate -F1A Medical Grade Polysulfone	-81 Lace White ABS -9 Clear Polycarbonate -X0 Stainless Steel -X2 Buna-N Rubber	
RB01 (-X2) SB01 (-X0) Check Valve Ball 5/32" Diameter	BDMR230 (-40 -81) Bondable 200 Series Barb, 1/8" (3.2 mm) ID Tubing	
BDMRP (-40 -81) Bondable Plug		
<u>1</u>	BDMR430 (-40 -81) Bondable 400 Series Barb, 1/8" (3.2 mm) ID Tubing	VAL
BDMD (-40 -81) Bondable Mounting Device		UE PL/
	BDMR240 (-40 -6 -81) Bondable 200 Series Barb, 5/32" (4.0 mm) ID Tubing	VALUE PLASTICS; INC.
BDMFTLL (-40 -81 -9) Bondable Female Luer Thread Style		INC.
	BDMR445 (-40 -81) Bondable 400 Series Barb, .170" (4.3 mm) ID Tubing	-
BDMMTL (-40 -81) Bondable Male Luer (May be used with separate rotating lock ring; RMLLR)	BDML210 (-40 -81 -9)	RC
	Bondable Elbow 200 Series Barb, 1/16" (1.6 mm) ID Tubing	M
RMLLR (-1 -2 -3 -4 -5 -06 -07 -6 -9 -9002 -J1A) Rotating Male Luer Lock Ring (For use with BD/MMTL)	BDML410 (-40 -81) Bondable Elbow 400 Series Barb, 1/16" (1.6 mm) ID Tubing	aly
-11/		+61(0)
BDMR210 (-40 -81 -9 -9002) Bondable 200 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	3 9762 2034
	BDML420 (-40 -81)	4 Australian
BDMR410 (-40 -81) Bondable 400 Series Barb, 1/16" (1.6 mm) ID Tubing	Bondable Elbow 400 Series Barb, 3/32" (2.4 mm) ID Tubing	alian Dis
	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	Distributors;
BDMR220 (-40 -81) Bondable 200 Series Barb, 3/32" (2.4 mm) ID Tubing	Bondable Elbow 200 Series Barb, 1/8" (3.2 mm) ID Tubing	5
	BDML430 (-40 -81)	
BDMR420 (-40 -81) Bondable 400 Series Barb, 3/32" (2.4 mm) ID Tubing	Bondable Elbow 400 Series Barb, 1/8" (3.2 mm) ID Tubing	

BUILD-A-Part

BUILD-A-PART: Tees		BUILD-A Threads
		Material Suffix Key
-40 Polysulfone -9002 Radiation Stable Polycarbonate	-6 Natural Polypropylene -F1A Medical Grade Polysulfone	-81 Lace White ABS -XO Stainless Steel
BDMT210 (-40 -81) Bondable Tee 200 Series Barb, 1/16" (1.6 m	m) ID Tubing	BDMX (Bondable 1
		BDMK (Bondable 1
BDMT410 (-40 -81) Bondable Tee 400 Series Barb, 1/16" (1.6 m	m) ID Tubing	
		BDMS (- Bondable 1/
BDMT220 (-40 -81) Bondable Tee 200 Series Barb, 3/32" (2.4 n	nm) ID Tubing	BDMM6
		Bondable M
BDMT420 (-40 -81) Bondable Tee 400 Series Barb, 3/32" (2.4 m	nm) ID Tubing	BDM16 Bondable 1/
		BDM18 Bondable 1/
BDMT230 (-40 -81) Bondable Tee 200 Series Barb, 1/8" (3.2 mr	n) ID Tubing	
	.,	uuuuu
		BDF16 (Bondable 1/
BDMT430 (-40 -81) Bondable Tee 400 Series Barb, 1/8" (3.2 mr	m) ID Tubing	BDF18 (Bondable 1/
-		
Constanting and		PDEM6



our online ordering for component parts, now available 24 hours a day, 7 days a week, with no \$ minimums! You can find every catalog part at:

www.valueplastics.com

(Online ordering is not available in countries served by our regional partners)

UILD-A-PART:

-9 Clear Polycarbonate -X2 Buna-N Rubber

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

BDMS (-81) Bondable 1/4-28 UNF Thread with 5/16" Hex



BDMM6 (-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

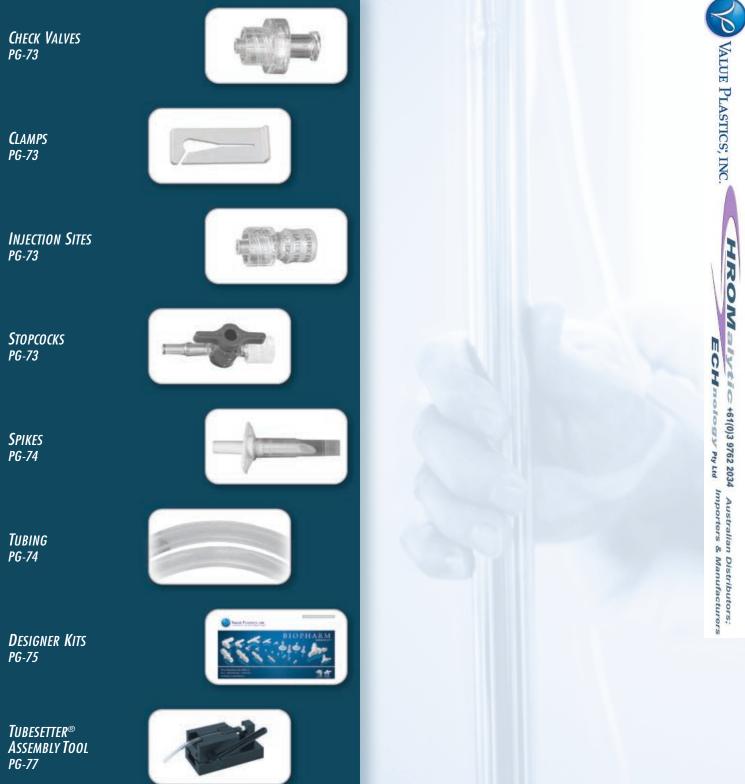


BDFM6 (-40 -81) Bondable M6x1 Thread with 5/16" Hex



BDFS (-40 -81) Bondable 1/4-28 UNF Thread with 5/16" Hex 71





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

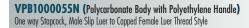


VPB0850400N (Clear ABS) Female Luer Thread Style Coupler



VPM1080303N (Blue Polyethylene) Male Luer Integral Lock Ring Plug







VP455980 (Polycarbonate Body with Polyethylene Handle) One Way Stopcock, Capped Male Luer Lock to Capped Female Luer Thread Style - Sterile Version



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



74

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)



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.

We recommend that you request free samples for testing in your particular applications.

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
5/32″ X 7/32″ X 100′	LDPE01-4031C
5/32" X 7/32" X 1000'	LDPE01-4031M

LUE PLASTICS; INC

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. Includes 484 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.

LUER DESIGNER KIT (Part Number - LUER KIT-001)

Our Luer Kit cantains 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. Includes over 500 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.

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. Includes over 500 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.

XQC DESIGNER KIT (Part Number - XQC KIT-001)

Our XQC Kit contains an assortment of XQC Series Quick Connect Fittings (Quick Disconnect Couplings). Includes 22 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.

Website : www.chromtech.net.au E-mail : info@chromtech.net.au TelNo : 03 9762 2034 . . . in AUSTRALIA

VALUE PLASTICS; INC.

HROMalytic +61(0)3 9762 2034 Australian Distributors;

ECH mology Pty Ltd

Importers & Manufacturers

COMPONENT

76

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. Contains 95 different 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.

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. Includes over 500 pieces, please see www. valueplastics.com for a complete list of all included parts.

Website : www.chromtech.net.au E-mail : info@chromtech.net.au TelNo : 03 9762 2034 . . . in AUSTRALIA



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.

HROM alytic +61(0)3 9762 2034 Australian Distributors; Importers & Manufacturers

VALUE PLASTICS; INC.

v.024

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!

TUBESETTER®: Manual

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.

Due to the wide variety of tubing and connection options available, please contact our Sales dept. to arrange for an evaluation of your application before ordering.

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.

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





our online ordering for component parts, now available 24 hours a day, 7 days a week, with no \$ minimums! You can find every catalog part at: www.valueplastics.com

(Online ordering is not available in countries served by our regional partners)

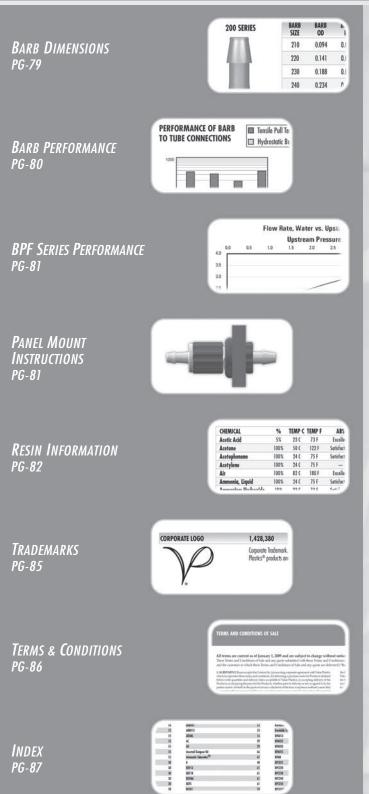
Website : www.chromtech.net.au E-mail : info@chromtech.net.au TelNo : 03 9762 2034 . . . in AUSTRALIA

VALUE PLASTICS; INC.

ECH HOLOSY Pty Ltd











5	BARB	BARB	BARB	TUBE IN	ITERNAL DI	AMETER
	SIZE	OD	ID	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	BARB	BARB	TUBE IN	ITERNAL DI	AMETER
SIZE	OD	ID	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

BARB

ID

0.192

DEC.

0.250

TUBE INTERNAL DIAMETER

FRAC.

1/4″

METRIC

6.4 mm

300 SERIES



400 SERIES

BARB	BARB	BARB	TUBE II	ITERNAL DI	AMETER	
SIZE	OD	ID	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	

RB ZE	BARB OD	BARB ID	
10	0.078	0.046	
20	0.117	0.068	

700 SERIES



5	BARB Size	BARB OD
	755	0.329
	770	0.450

BARB

SIZE

360

BARB

OD

0.338

TUBE IN	TERNAL DI	AMETER
DEC.	FRAC.	METRIC
0.250	1/4″	6.4 mm
.375	3/8″	9.5 mm

900 SERIES

BARB	BARB	BARB	TUBE INTERNAL DIAMETER		
SIZE	OD	ID	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

BARB

ID

0.204

0.302

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 applica-tion 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 express 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®.

79

TUBE INTERNAL DIAMETER

DARD	DARD	DARD			
SIZE	OD	ID	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″	7.9 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]"	25.4 mm
L110	1.125	0.600	1.000]"	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

BARB

BARB SIZE

BARB

600 SERIES

500 SERIES

BARB	BARB	BARB	TUBE IN	ITERNAL DI	AMETER
SIZE	OD	ID	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
N680	0.625	0.403	0.500	1/2″	12.7 mm
N690	0.762	0.499	0.625	5/8″	16.0 mm
N6100	0.900	0.615	0.750	3/4″	19.0 mm
N6110	1.180	0.804	1.000	1″	25.4 mm
T670	0.490	0.286	0.375	3/8″	9.5 mm
T680	0.625	0.399	0.500	1/2″	12.7 mm
T690	0.762	0.483	0.625	5/8″	16.0 mm
Y670	0.490	0.296	0.375	3/8″	9.5 mm
Y680	0.625	0.401	0.500	1/2″	12.7 mm

INFO

Importers & Manufacturers

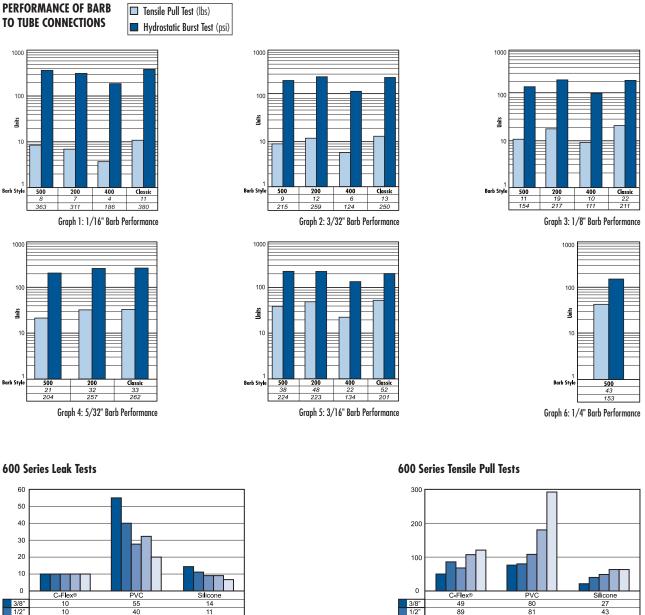
Performance of Barb to Tube Connection

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.



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 express warranty or guarantee by Value Plastic or other manufacturers. None of the information provided constitutes a recommendation or endorsement of any kind by Value Plastics.

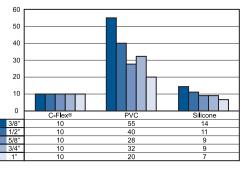
5/8

63 106

105

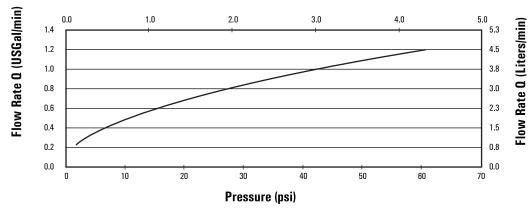
49

Importers & Manufacturers Australian Distributors;



BPF Series Typical Physical Properties

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



Pressure Vs. Flow Rate, Water Pressure (bar)

Panel Mount Instructions

Panel-mounted female luers, in both FTLLB (thread style) and FTLB (lug style) series, are shown beginning on page 19. When used with our CCLR lock rings or CCR color coding rings and LNS lock nuts (see pages 20, 44), 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).

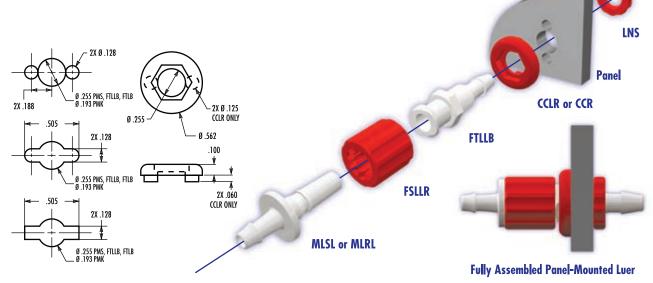
FTLLB series shown with MLSL luer, FSLLR lock ring, CCLR color coding lock ring, and LNS lock nut.

Threaded Panel Openings:

Tap the panel with threads from tube fittings, panel mounts or BPMBs 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.



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 express 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®.

CHEMICAL	%		TEMP F	ABS	ACETAL	PVDF	NYLON	POLYCARBONATE	POLYPROPYLENE	POLYSULFONE
cetic 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	_
cetylene	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	Unsatisfatory
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
thyl 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
thylene Oxide	100%	24 C	75 F	Unsatisfactory		Excellent	Satisfactory	Satisfactory	Satisfactory	Excellent
thylene 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	Unsunstationy	Unsatisfactory	Excellent	Unsatisfactory
Gasoline	100%	85 C	185 F	Excellent	Satisfactory	Excellent	Excellent	Unsatisfactory	Satisfactory	Satisfactory
-	Concen.	24 C	75 F	Excellent		Excellent		Ulisulistación y	Excellent	Sunstactory
Glucose Chucosin			75 F							
Glycerin	100%	24 C		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
lydrofluoric 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
sopropanol	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
Nethanol	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		_	_
Dzone	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			
odium Bicarbonate	Concen.	23 C	75 F	Excellent	Excellent	Excellent	Excellent		Excellent	 Excellent
odium Chloride	10%	24 0	73 F	Excellent	LVCGIIGIII	Excellent	Excellent		Excellent	Excellent
					_			_		
odium Chloride	Sat. sol.	24 C	75 F	Excellent	_	Excellent	Excellent		Excellent	Excellent
odium 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
letrahydrofuran	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

HROM alytic +61(0)3 9762 2034 Australian Distributors;

* Call Value Plastics technical support to review your application and the concentration of Isopropanol that will be used.

The data presented here is for reference only. It was compiled primarily from the resin manufacturers' data 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 to determine their suitability. All information is provided without implied or express 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®.

NFO

Material – Manufacturer & Grade	VP Code	Regulatory Compliance of Base Resin*	RoHS Compliant	BPA Free	DEHP Free	Animal Derivative Free*
ABS (Lace White) - Dow Magnum 9020	-81	21 CFR 181.32 FDA Approved for Food Contact	Yes	Yes	Yes	No
And (Methyl Methacrylate) - BASF Terlux 2802 TR	-8003, SCV Series	USP Class VI Certified; FDA Approved	Yes	Yes	Yes	Yes
Association 248-01 2002	-8012	USP Class VI Certified; FDA Approved; ISO 10993 Part I Compliant	Yes	Yes	Yes	N/A
Astal - Dupont Delrin 500P	-10	Information unavailable at time of print, please call for details	Yes	Yes	Yes	No
Agetal Copolymer - BASF Ultraform N 23020 003 UNC Q600	-1006	USP Class VI Certified; FDA Approved 21 CFR 177.2470	Yes	Yes	Yes	No
A Gydic - Cyrolite Med 2	-50	USP Class VI Certified; 21 CFR 177.1010 FDA Approved	Yes	Yes	Yes	Yes
କ୍ରି Cepolyester - Eastman EASTAR MN211 Natural	-CM018	USP Class VI Certified; ISO 10993 Compliant	Yes	Yes	Yes	N/A
Hand and Add to the second state of the second state of the second state of the second	-0, -1, -2, -3, -4, -5, -06, -07	21 CFR 177.1500 FDA Approved	Yes	Yes	Yes	No
 Nigion (Glass Reinforced) - Dupont Zytel 70633L	-7, -72	Information unavailable at time of print, please call for details	Yes	Yes	Yes	No
(B) PSycarbonate (Clear) - Bayer Makrolon 2558 550115	6-	USP Class VI Certified; 21 CFR 177.1580; FDA Approved; ISO 10993 Compliant	Yes	No	Yes	No
Performation (Clear) - Bayer Makrolon Rx 1805 451118	-9010, SCV Series	USP Class VI Certified; ISO 10993 Compliant	Yes	No	Yes	Yes
Patycarbonate (Tinted) - Dow Calibre Megarad 2081-15	-9002, DCV Series	ISO 10993 Compliant	Yes	No	Yes	Yes
⊏ Pa∰vethylene - Eastman Voridian 1870A ∋	-CM006	USP Class VI Certified; FDA Approved	Yes	Yes	Yes	Yes
5 Polyethylene - Basell Purell PE 1840 H	SCV Series	Information unvailable at time of print, please call for details	N/A	N/A	N/A	N/A
Performant Profession	-6	USP Class VI Certified; 21 CFR 177.1520 FDA Approved	Yes	Yes	Yes	No
20 Petropylene - Flint Hills P5-080X	-6005	USP Class VI Certified; 21 CFR 177.1520 FDA Approved	Yes	Yes	Yes	Yes
: Pelysulfone - Solvay Udel P1700 MG11 V	-4001	USP Class VI Certified; 21 CFR 177.1655 FDA Approved	Yes	Yes	Yes	Yes
C PSG sulfone - Solvay Udel P1700 CL2611	-40	21 CFR 177.1655 FDA Approved	Yes	Yes	Yes	Yes
PODF - Arkema Kynar 1000 HD	AIL-	USP Class VI Certified; 21 CFR 177.2510 FDA Approved	Yes	Yes	Yes	Yes
SAN - BASF 388S TR 77770	SCV Series	Information unavailable at time of print, please call for details	Yes	Yes	Yes	N/A
Silicone - Wacker Elastosil LR 3003	SCV Series	Information unavailable at time of print, please call for details	Yes	Yes	Yes	N/A
Resin Regulatory Status	762 2034 Australian Distributors; pty_ttd Importers & Manufacturers	; INC. HROM a 1y E +61(0)3 9762 2034	VALUE PLASTICS; INC.	VAI	*as de	as determined by resin manufacturer

Material - Manufacturer & Grade	VF Code	Gamma Kadiation Sterilization"	Ethylene Uxide Sterilization	Autoclave Sterilization
ABS (Lace White) - Dow Magnum 9020	-81	Compatible up to 1 Mrad	Not recommended	Poor. Components may distort due to low heat deflection temperatures
ABS (Methyl Methacrylate) - BASF Terlux 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 23020 003 UNC Q600	-1006	Compatible up to 1.5 Mrads	Excellent	Very Good
Acrylic - Cyrolite Med 2	-50	Very good up to commonly used doses (6 Mrads).	Excellent	Not Recommended
Copolyester - Eastman EASTAR MN211 Natural	-CM018	Compatible up to 6 Mrads	Highly compatible	N/A
Nylon - Dupont Zytel 101F	-0, -1, -2, -3, -4, -5, -06, -07	Very good. May discolor to brownish hue.	Very good. Some suceptibility to oxidizing agents.	Very good. Product may swell slightly due to water absorption.
Nylon (Glass Reinforced) - Dupont Zytel 70G33L	-7, -72	Very good. May discolor to brownish hue.	Very good. Some suceptibility 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) - Dow Calibre Megarad 2081-15	-9002, DCV Series	Excellent up to 10 Mrads with minor loss of physical properties. Light violet hue turns dear upon sterilization.	Highly compatible	Not Recommended
Polyethylene – Eastman Voridian 1870A	-CM006	Compatible up to 6 Mrads	Highly compatible	Not Recommended
Polyethylene - Basell Purell PE 1840 H	SCV Series	N/A	N/A	N/A
Polypropylene - Basell Profax PD626	-6	Excellent up to commonly used sterilization doses (6 Mrads).	Good. May react poorly to EtO/CFC mix.	Poor. Components may distort due to low heat deflection temperatures
Polypropylene - Flint Hills P5-080X	-6005	Very good to commonly used sterilization doses (6 Mrads).	Highly compatible	Not Recommended
Polysulfone - Solvay Udel P1700 MG11	-4001	Highly compatible. Will discolor to brownish hue.	Excellent	Excellent
Polysulfone - Solvay Udel P1700 (L2611	-40	Highly compatible. Will discolor to brownish hue.	Excellent	Excellent
PVDF - Arkema Kynar 1000 HD	-JIA	Highly compatible. Will discolor to brownish hue.	Excellent	Highly Compatible
SAN - BASF 388S TR 77770	SCV Series	N/A	N/A	N/A
Silicano - Washar Elastaril I B 2002		N/A	N/A	A/N

Property	ASTM Test Method	PVDF	Polycarb	Radiation Stable PC	Polypro	Nylonª	GF Nylon ^o	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	_

The data presented here is for reference only. It was compiled primarily from the resin manufacturers' data 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[®].

TECHNICAL: Trademarks

IIUUGIIIUIKS

TRADEMARK	1,428,380 Corporate Trademark. The stylized design associated with Value Plastics® products and services.	 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 (𝒫) 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. C-Flex[®] is a registered trademark of Consolidated Polymer Technologies, Inc. Dow[®] is a registered trademark of the Dow Chemical Company DuPont[®] is a registered trademark of E.I. DuPont de Nemours & Co Delrin[®] is a registered trademark of E.I. DuPont de Nemours & Co. Dinamap[®] is a registered trademark of Atochem Atofina North America, Inc. The Lee Company[®] is a registered trademark of Bayer A.G. Tuf-Flex[®] is a registered trademark of Rubber Fab Technologies Group
TRADEMARK	1,887,178	Tygon® is a registered trademark of Saint-Gobain Performance Plastics
VALUE PLASTICS [®]	Corporate Trademark.	Unichem® is a registered trademark of the Colorite Plastics Company Zytel® is a registered trademark of E.I. DuPont de Nemours & Co.
		One or more components contained in this catalog may be covered by B. Braun OEM Division patents and trademarks. Patent numbers: 4,246,932; 4,535,820; 4,683,916.
		©2009 Value Plastics, Inc. All rights reserved. No part of this catalog may be reproduced without the express consent of Value Plastics, Inc. All terms are current as of January 1, 2009 and are subject to change without notice.
TRADEMARK	1,727,081	
TUBESETTER ®	Trademark for our rapid assembly devices	

OTHER TRADEMARKS

VALUE PLASTICS; INC.

HROMalytic +61(0)3 9762 2034 Australian Distributors;

86

All terms are current as of January 1, 2009 and are subject to change without notice.

These Terms and Conditions of Sale and any quote submitted with these Terms and Conditions of Sale (together, the "Contract") are between Value Plastics, Inc. ("Value Plastics") and the customer to which these Terms and Conditions of Sale and any quote are delivered ("Buver").

1. AGREEMENT. Buyer accepts this Contract by: (a) executing a separate agreement with Value Plastics which incorporates these terms and conditions, (b) delivering a purchase order for Products (defined below) with quantities and delivery dates acceptable to Value Plastics; (c) accepting delivery of the Products; or (d) paying the price for the Products, whether prior to delivery or not, as agreed to by the parties and/or set forth in the quote or invoice, whichever of the four acceptance methods comes first. Any counteroffer or proposed addition to or supplement of, or any material variance from, the material terms and conditions of this Contract are hereby expressly objected to and rejected. If this Contract is responsive to a prior offer by Buyer, then this Contract shall be deemed an acceptance of such offer limited to the material terms and conditions stated in this Contract, and any additional or supplemental terms or any material variance from the terms and conditions of this Contract are expressly objected to and rejected. Any non-material variance from the terms of this Contract proposed by Buyer shall not operate as a rejection of this Contract, and shall be deemed a part of this Contract.

2. PRODUCTS. Buyer agrees to buy, and Value Plastics agrees to manufacture and sell, the products ("Products") described in a quote or, if none, pursuant to any acceptable orders placed by Buyer under this Contract. To the extent Buyer provides any product specifications to Value Plastics, Buyer grants Value Plastics the right to use any such specifications to fill any orders placed by Buyer in

connection therewith.

3. ORDERING. Customer Service accepts telephone orders at 970-267-5200 from 7:00 am to 5:00 pm Mountain Time, Monday through Friday, Orders may also be placed by mail, fax at 970-223-0953, by email to orders@valueplastics.com or anytime at www.valueplastics.com . Orders must be placed using a Value Plastics part number. Most Products are shipped bulk in quantities of 100, 500, or 1,000 pieces, as molded and non-sterile. For all orders except those placed through www.valueplastics. com , customer reference numbers may be included on the invoice and packing slip if requested at order placement.

4. PRICE. Prices for the Products are described on the quote or, if none, on Value Plastics' published price list and are effective for the period set forth in the quote, on the price list or, if none, until otherwise changed, which may occur at any time without notice to Buyer. Buyer shall pay Value Plastics the price for Products ordered set forth on the quote or as notified to Buyer on Value Plastics invoice. Prices exclude all federal, state, or local taxes, and therefore such prices are subject to increase in the amount of any such tax (excluding tax on net income) that Value Plastics may be required to collect or pay upon the sale or delivery of the Products. All prices are, and all payments shall be made, in US dollars.

5. PAYMENT TERMS. Value Plastics accepts checks, wire transfers, MasterCard, Visa or American Express and open account invoicing (upon completion and execution of a credit agreement satisfactory to Value Plastics). Unless prepaid or otherwise stated on the quote, invoice or order confirmation, payment terms for sales of Products are net 30 days after the date of Value Plastics' invoice. Buyer shall make all payments irrespective of whether Buyer has made or may make any inspection of any Product. Value Plastics may cancel or reschedule deliveries of products if Buyer fails to make any payment when due. Value Plastics' rights under this section shall be in addition to all other rights and remedies available to Value Plastics upon Buyer's default. Buyer shall be liable for all expenses attendant to collection of past due amounts, including attorney's fees.

6. FORCE MAJEURE. Value Plastics shall not be liable for any delays in the delivery of orders, due in whole or in part, directly or indirectly, to fire, act of God, strike, shortage of raw materials, supplies or components, retooling, upgrading of technology, delays of carriers, embargo, government order or directive, or any other circumstance beyond Value Plastics' reasonable control.

7. DELIVERY TERMS. Unless otherwise stated on a quote, if any, (a) all domestic deliveries shall be made F.O.B. Value Plastics' factory in Fort Collins. Colorado, USA and risk of loss of such Products shall transfer to Buyer upon delivery to the freight carrier; and (b) all international deliveries shall be made Ex Works Value Plastics' factory (Incoterms 2000), and, unless otherwise stated in a quote, if any, Value Plastics shall present the Products to the carrier, and risk of loss of such Products shall transfer to Buyer upon presentation. Orders for stocked product are usually shipped within 48 hours of receipt unless express delivery is specified. Value Plastics will attempt to meet the requirements of Buyer's delivery schedule and Value Plastics shall not be in default of performance due to a delay of reasonable duration resulting from any cause. Buyer shall pay, or reimburse Value Plastics for, all amounts due for import and export licenses and permits, custom charges and duties, penalties, freight, insurance and other shipping expenses. Unless otherwise instructed, selection of carrier and routing of all shipments shall be at Value Plastics' discretion. Shipment dates for export sales are approximate and are subject to receipt of all necessary Buyer information, and all necessary licenses, permits and other documents. A variation in the quantity of any Products which are especially made-to-order not to exceed plus or minus ten percent (10%) of the amount agreed upon will be considered to be in compliance with the agreement of the parties.

8. INSPECTION AND ACCEPTANCE. Buyer must inspect delivered Products and report claims for any damages or shortages in writing within ten (10) days of delivery or the Products shall be deemed irrevocably accepted and such claims shall be deemed waived, except as provided in Section 10. In the event of source inspection by Buyer, Value Plastics reserves the right to designate the place within the plant where inspection may be performed and to deny access to areas and processes considered proprietary to Value Plastics.

9. TITLE. Title to the Products shall stay with Value Plastics until Value Plastics receives payment in full for such Products. Buyer hereby recognizes that Value Plastics retains all right, title and interest in (a) all intellectual property rights in and to the Products; (b) all processes, methods, formula, ingredients, designs, procedures and other practices used by Value Plastics or relating to the manufacture and sale of the Products, including all intellectual property rights therein; and (c) all of Value Plastics equipment and tooling used in the manufacture and sale of the Products, including all intellectual property rights therein, (collectively "Value Plastics Technology"). Buyer hereby assigns to Value Plastics all right (including intellectual property rights), title and interest it may now or hereafter possess in and to the Value Plastics Technology and in any derivative works of and improvements to the Products and agrees to execute all documents, and take all actions, that may be necessary to effect such assignment. Value Plastics is under no obligation to disclose any of the Value Plastics Technology to Buyer for any reason.

10. LIMITED WARRANTY AND REMEDIES. Value Plastics warrants to Buyer that the Products shall be free from defects in materials and workmanship. Any claims for breach of the foregoing warranty shall only be valid if Buyer makes such claim within sixty (60) days of the date of shipment of

the Product to which the claim relates, or such shorter period specified on a quote, if any, by notifying Value Plastics Sales Department in writing and obtaining a Return Material Authorization Number for the return of the Products (which is to be referenced on all return shipping documents). Buyer's exclusive remedy and Value Plastics' sole liability for any breach of the foregoing warranty shall be for Value Plastics, at Value Plastics' sole option, to repair, replace or modify the defective Product, or refund to Buyer the purchase price paid by Buyer for the defective Product. The warranty service shall be performed at Value Plastics' factory. In order to receive the warranty service, Buyer must return the defective Product within 30 days of notification from Buyer hereunder. All warranty claims will be handled pursuant to Value Plastics' standard RMA procedures. If Value Plastics determines that the original Products were not defective, Buyer shall reimburse Value Plastics all costs of handling, transportation and repairs at Value Plastics' prevailing rates. All defective Products returned under this warranty which are replaced or for which a refund is given to Buyer shall become Value Plastics property. THE WARRANTY SET FORTH IN THIS SECTION 10 IS IN LIEU OF ALL OTHER WARRANTIES AND VALUE PLASTICS HEREBY EXPRESSLY DISCLAIMS ALL OTHER WAR-RANTIES, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY, INFRINGEMENT AND FITNESS FOR PARTICULAR USE. Any repair or attempt to repair Products by anyone other than an authorized representative of Value Plastics automatically voids any warranty on those Products. Value Plastics' parts are not intended for human implantation or use in aircraft applications. Buyer may request free samples for testing and evaluation.

HROM = 1 y E = C +61(0)3 9762 2034

0

Pty Ltd

mporters

00

Manufacturer

Australian Distributors;

11. INDEMNIFICATION. Buyer shall indemnify and hold harmless Value Plastics from all losses, claims, damages, expenses or liabilities of any kind (including attorney's fees and court costs) resulting from or arising out of any use by Buyer of the Products

12. LIMITATIONS ON LIABILITY. Value Plastics shall not be liable for any loss or damage caused by delay in furnishing the Products. UNDER NO CIRCUMSTANCES SHALL VALUE PLASTICS BE LIABLE FOR ANY INDIRECT, CONSEQUENTIAL, COLLATERAL, SPECIAL, PUNITIVE, TREBLE, EXEMPLARY OR INCIDENTAL DAMAGES (INCLUDING, WITHOUT LIMITATION, LOSS OF PROFITS OR GOODWILL) WHETHER SUCH CLAIM IS BASED ON CONTRACT. NEGLIGENCE, TORT, WARRANTY OR ANY OTHER BASIS UNDER OR AS A RESULT OF THIS CONTRACT OR THE PRODUCTS, IRRESPECTIVE OF WHETHER VALUE PLASTICS HAS BEEN ADVISED OF THE POSSIBILITY OF ANY SUCH LOSS OR DAMAGE. IN NO EVENT SHALL VALUE PLASTICS' AGGREGATE LIABILITY UNDER OR AS A RESULT OF THIS CONTRACT EXCEED THE TOTAL AMOUNTS ACTUALLY PAID BY BUYER FOR THE PRODUCTS PURCHASED UNDER THIS CONTRACT. The parties agree that the limitations on liability set forth in this Contract are independent of any exclusive or limited remedies, and shall survive and apply even if such remedies are found to have failed of their essential purpose. No action, regardless of form, arising out of the transactions under this Contract may be brought by Buyer more than 1 year after the events which gave rise to the cause of action occurred.

13. TERMINATION/CANCELLATION. Value Plastics may terminate this Contract or orders placed hereunder with notice to Buyer if (a) Buyer fails to pay when due any sums payable hereunder and such failure continues for ten (10) days after the due date or (b) Buyer materially breaches its obligations hereunder, other than the payment of money, and such breach continues for a period of twenty (20) days after receipt by Buyer of written notice from Value Plastics specifying such breach. Buyer may not cancel all or any portion of an order for which Products have been shipped.

14. PROPRIETARY INFORMATION. Value Plastics Products are components designed and manufactured to specifications developed, maintained, and controlled by Value Plastics. For the purpose of processing orders, Value Plastics requires no proprietary information from Buyer, and specifically requests that buyers refrain from including any information that may be considered proprietary. Buyer agrees that all non-public information furnished to Buyer by Value Plastics, including any variations in pricing from Value Plastics' standard prices for Products, is proprietary to Value Plastics and such information shall be held in confidence and shall not be used or disclosed by Buyer without Value Plastics' prior written consent. Buyer shall enforce against its employees and agents these obligations of confidentiality.

15. INSTALLMENT. Value Plastics' failure to deliver, or nonconformity of, any installment under any installment agreement with, or blanket order from, Buyer shall not be a breach of this entire Contract.

16. EXPORT REGULATIONS; PERMITS. Buyer will comply with the provisions of the United States Government's Export Administration regulations and related documentation requirements and internal control procedures. Buyer shall be responsible for obtaining any necessary export or import licenses and permits.

17. APPLICABLE LAW; VENUE. This Contract shall be governed by and construed in accordance with the internal laws (and not the laws of conflicts) of the State of Colorado. The parties expressly waive the application of the United Nations Convention on Contracts for the International Sale of Goods to this Contract. Any action at law, suit in equity, or judicial proceeding of any kind arising directly, indirectly, or otherwise in connection with, out of, related to or from this Contract or the relationship between the parties shall be litigated only in the state or federal courts located in the City and County of Denver, Colorado and the parties waive any right they may have to challenge the jurisdiction of this court or seek to bring any action in any other forum, whether originally or by transfer, removal, or change of venue. The losing party in a lawsuit shall pay its own and the prevailing party's attorney's fees and expenses.

18. MISCELLANEOUS. This Contract and any other agreement or document entered into by the parties which incorporate these Terms and Conditions by reference, constitute the final, complete, exclusive and entire agreement between the parties and supersede all prior or contemporaneous agreements, written or oral, regarding the subject matter of this Contract. The failure of Value Plastics to enforce at any time any of the provisions of this Contract shall not be construed to be a waiver of such provisions nor the right of Value Plastics to enforce such provisions in the future. Buyer may not assign any rights under this Contract or this Contract in whole or in part without the prior written consent of Value Plastics. Any prohibited assignment shall be null and void. This Contract shall inure to the benefit of successors in interest and permitted assigns. Value Plastics may subcontract any of its obligations hereunder. If any provision of this Contract is found to be invalid or unenforceable in any respect, the validity and enforceability of the remaining provisions shall not be affected. The parties may only modify this Contract in a writing signed by both parties.

1040 1050	42
1401	42 67
1402	67
1600	65
1610	65
1620	65
1630	65
1640	65
1650 1800	65
1801	67 67
1802	67
1810	66
1820	66
1830	66
1840	66
1850	66
1860 2040	66 42
2050	42
3040	43
3050	43
3060	43
4040	41
4050	43
4060	43
5050 5060	41
6060	43
16210	65
16220	65
16230	65
16240	65
16250	65
16410	65
16420	65
16430 16445	65 65
16450	65
18210	66
18220	66
18230	66
18240	66
18410	66
18420 18430	66 66
18445	66
14MTLL	28
18FTLL	28
18L230	67
18L250	67
18L260	67
18LFTLL	28
18MTLL 18T250	27 67
187260	67
3PF210	49
3PF220	49
3PF230	49
4PDL210	49
4PDL220	49
4PDL230	49
4PLL210	49
4PLL220 4PLL230	49 49
4PLL230 4PX210	49 49
4PX220	49
4PX230	49
6PDT210	49
6PDT220	49
6PDT230	50
6PTT210	50
6PTT220	50

6PTT230	50
AA	41
ABROOZ	63
ABRO04 ABRO07	63 63
ABRO13	63
ABSML	27
AC	42
AD	42
Assorted Designer Kit - Assorted Kit-001 B	75 59
Barb Dimensions	79
Barb Performance	80
BDF16	71
BDF18	71
BDFM6	71
BDFS BDJ01	71 69
BDJ02	69
BDJ03	69
BDJ04	69
BDJ05	69
BDJ06	69
BDJ07 BDJ08	69 69
BDJ09	69
BDJ10	69
BDJ11	69
BDJ12	69
BDJ13 BDJ14	69 69
BDJ14 BDJ15	69
BDJ16	69
BDJ17	69
BDJ18	69
BDJ19	69
BDJ20 BDJ21	69 69
BDJ21 BDJ22	69
BDM16	71
BDM18	71
BDMD	70
BDMFTLL BDMK	70 71
BDMR BDML210	70
BDML220	70
BDML230	70
BDML410	70
BDML420 BDML430	70 70
BDML430 BDMM6	70
BDMMTL	70
BDMR210	70
BDMR220	70
BDMR230	70 70
BDMR240 BDMR410	70
BDMR420	70
BDMR430	70
BDMR445	70
BDMRP	70
BDMS BDMT210	71 71
BDMT210 BDMT220	71
BDMT230	71
BDMT410	71
BDMT420	71
BDMT430 BDMX	71 71
BUMX Biopharm Designer Kit - Biopharm Kit-001	76
Blood Pressure Kit - BP Kit-001	76
Blood Pressure Section	30
BPA013	32
BPA025	32

ECHnology Py Ltd Importers & Manufacturers

INDEX

BPA035	32
BPA055	32
BPAM	32
BPC025	33
BPC220	33
BPC230	33
BPC240	33
BPC250	33
BPCL025	33
BPCL220	33
BPCL230	33
BPCL240	33
BPCL250	33
BPF220	
	31
BPF230	31
BPF240	31
BPF250	31
BPF Series Typical Physical Properties	81
BPLF230	32
BPLF240	32
BPM013	31, 32
BPM025	31, 32
BPM035	31, 32
BPM240	31, 32
BPMB230	31
BPMB240	31
BPMB250	31
BPMMTLL	32
BSFTLL	28
BSMLRL	28
	76
Build-A-Part Designer Kit - Kit01-40 - Kit01-81	
Build-A-Part Section	68
(59
CA091	26
((41
CCLR	29, 51
CCR	29, 51
CF001	39
CF006	39
CF015	38
CF020	39
CF022	39
CF079	39
CF104	38
CF128	39
CF131	38
CF141	38
CF148	38
CF165	39
CF166	39
CF173	39
CF184	38
CF202	39
CF210	38
CF213	38
CF224	38
CF226	38
CF229	33
CF230	33
CF231	39
CF233	38
CF235	38
CF239	38
CF302	39
CF304	38
CF322	38
CF494	56
Channel Partners	50
Check Valves	12, 73
Chemical Resistance Chart	12,73
Clamps Course Fitting	18, 19, 73
Cross Fittings	49
D	59
DC	42

DCV101	15
DCV114 DCV115	15
DCV116	15
DCV118	15
DCV119	15
DCV125 DD	15
Design Center Section	36
Designer Kits	75
Double Check Valves	14
FLB035	35
FLB055 FLB065	35 35
FLBP	35
FSLLR	22, 25
FTL10	25
FTL20 FTL210	25 25
FTL220	25
FTL230	25
FTL240	25
FTL30 FTLB210	25 29
FTLB220	29
FTLB230	29
FTLC	26
FTLE	26 24
FTLL004 FTLL007	24
FTLL013	24
FTLL025	24
FTLL035	24
FTLL055 FTLL210	24
FTLL220	24
FTLL230	24
FTLL240	24
FTLL250 FTLL360	24
FTLL410	24
FTLL420	24
FTLL430	24
FTLL445 FTLL450	24
FTLLB210	28
FTLLB220	28
FTLLB230 FTLLBMLRL	28
FILLBMLKL	29 25
FTLLE	26
FTLLP	27
FTLLSB004	25
FTLLSB007 FTLLSB013	25 25
FTLP	27
FTLT	26
G40MPGR-TF150	19
G42MPGR-TF075 GMN450	18 18
GMX455	19
Information Section	78
Injection Sites	73
Introduction K10	3 59
K10	59
K220	59
K230	59
K240	59 59
K410 K420	59
K420	59
K445	59
KFTL	28

VALUE PLASTICS; INC.

1/ET 1	00
KFTLL KL210	28 60
KL210 KL220	60
KL230	60
KL410	60
KL420	60
KL430	60
KN	62
КР	62
KT210	61
KT220	61
KT230	61
KT410	61
KT420 KT430	61
L070	56
L070/055	56
L080	56
L080/070	56
L090	56
L100	56
L100/080	56
L110	56
L110/100	56
L10	44
L20	44
L210	44
L220	44
L220/210 L230	45 44
L230/210	44
L230/220	45
L30	44
L40	44
L410	44
L420	44
L420/410	45
L430	44
L430/410	45
L430/420	45
L430/220	45
L440	44
L50 L60	44
L6110	45
L970	56
L975	56
Large Tube-To-Tube	52
LC34	26
LC78	26
LE7220	26
LE7230	26
LE87	26
LNS	29, 51
LP34 LP4	27 27
LT4 LT787	26
LT878	20
Luer Designer Kit - Luer Kit-001	75
Luer Section	20
M5210	64
M5220	64
M5230	64
M5240	64
M6210	64
M6220	64
M6230	64
M6240	64
M6250	64 64
M6410 M6420	64 64
M6420 M6430	64 64
M6445	64
M6450	64
	J1
Wabsita : www.chromtach	not au E mail : info

M6P	64
Manual Tubesetter® MLB035	77
MLB035 MLB055	35 35
MLB065	35
MLBC7 MLBC8	35 35
MLBP	35
MLRL004	22
MLRL007 MLRL013	22 22
MLRL025	22
MLRL035	22
MLRL055 MLRLB210	22 29
MLRLB220	29
MLRLB230	29
MLRLC MLRLP	25 27
MLSL004	23
MLSL007 MLSL013	23 23
MLSL015 MLSL025	23
MLSL035	23
MLSL055 MLSLP	23 27
MSL004	23
MSL007	23
MSL013 MSL025	23 23
MSL035	23
MSL055	23
MTLCS MTLL004	25 21
MTLL007	21
MTLL013 MTLL025	21 21
MTLL025	21
MTLL055	22
MTLL210 MTLL220	21 21
MTLL220 MTLL230	21
MTLL240	21
MTLL250 MTLL360	21 22
MTLL410	21
MTLL420 MTLL430	21
MTLL430 MTLL445	21 21
MTLL450	22
MTLLP MTLP	27 27
MTLS210	23
MTLS220	23
MTLS230 MTLS240	23 23
MTLS240	23
N004	41
N007 N007/004	41 42
N013	41
N013/004	42
N013/007 N025	42 41
N025/004	42
N025/007	42
N025/013 N035	43 41
N035/007	42
N035/013 N035/025	43 43
NU35/U25 N055	43
N055/013	43
N055/025	43

HROM alytic +61(0)3 9762 2034 Australian Distributors; ECHnology Pty Ital Importers & Manufacturers INDEX

RMLLR S10

S20

Return Policy

N055/035	43
N065	41
N065/025	43
N065/035	44
N065/055	44
N070	53
N070/013	43, 54
N070/055	44, 54
N080	53
N080/055	54
N080/070	54
N090	53 54
N090/055 N090/070	54
N100	53
N100/080	54
N110	53
N110/100	54
N210	41
N220	41
N220/210	42
N230	41
N230/210	42
N230/220	42
N410	41
N420	41
N420/410	42
N430	41
N430/410	42
N430/420	42
N440 N670	41 53
N680	53
N680	53
N670/655	54
N680/655	54
N680/670	54
N690/655	54
N690/670	54
N6110/6100	54
N970	53
N975	53
Other Components Section	72
Panel Mount Instructions	81
Patents PIP070	84 55
PIPO80	55
PIP10	50
PIP20	50
PIP210	50
PIP220	50
PIP230	50
PIP240	50
PIP30	50
PIP40	50
PIP50	50
PIP60	50
PM2N	31
PM3N	31
PM4N PMK210	11
PMK210 PMK220	51
РМК220-210	51
PMKN	29, 51
PMS230	51
PMS230-210	51
PMS230-220	51
PMSN	29, 31, 51
RB01	70
Resin Information	82, 83, 84, 85
Return Policy	85

S210	62
\$220 \$230	62 62
S230	63
S250	63
S30	63
S40	63
S410	62
S420	62
S430	62
\$445 \$450	63 63
S50	63
SB01	70
SBLF013	9
SBLF035	9
SBLM013	9
SBLM035	9
SCV01092	12
SCV03052 SCV04052	13 13
SCV04052	13
SCV06052	13
SCV07052	13
SCV08053	12
SCV09093	13
SCV10090	12
SCV11095	13
SCV12052 SCV15050	13
SCV16090	13
SCV17090	12
SCV21053	12
SCV22050	13
SCV23050	13
SCV25052	13
SFMN655	16
SFMN670	16
SFMN680 SFMN6100	16 16
SFMX655	17
SFMX670	17
SFMX680	17
SFMX6100	17
SFMX6110	17
SFMNC	18
SFMXC SFTL	19 28
SFTLL	20
Single Check Valves	12
SMLRL	28
SMTLL	27
SP	63
Spikes	74
Stopcocks	73, 74
T013 T055	46 46
T070	57
T070/055	57
T080	57
T080/055	57
T080/070	57
T100	57
T100/080	57
T110	57
T110/100 T10	57 45
T20	45
T210	45
T210/220	46
T210/230	47
T220	45
T220/210	46
T220/230	47

VALUE PLASTICS; INC.

85

70 62

62

79900910	
T220R210 T230	46
T230/210	45
T230/220	47
T230R210	47
T230R220	47
T30	46
T360/220	47
T360/230	47
T360/250 T40	47
T410	40
T410/420	46
T410/430	47
T420	45
T420/410	46
T420/430	47
T420R410	46
T430 T430/410	45 46
T430/420	40
T430R410	47
T430R420	47
T50	47
T60	46
T670	57
T680	57
T690 T970	57 57
T975	57
Tapered Seal Section	34
Technical Info	78
TECS116	63
TECS118	63
Terms and Conditions of Sale	86
Threaded Section	59
Trademarks	85 34
TSC2F007 TSC2F013	34 34
TSC2F015	34
TSC2FB230	34
TSC2M013	34
TSC2M035	34
TSC2MP	34
Tubesetter®	77
Tube-to-Tube Designer Kit - Tube-to-Tube Kit-001	75
Tube-to-Tube Section	40 74
Tubing U10	51
U20	51
U30	51
VBV0500NW	18
VBV1000NW	19
VLP4	27
VNG075WH	18
VNG150WH VPB0850400N	19
VP6050400N VP455980	73 73
VPB1000055N	73
VPB1000062N	73
VPB1000079N	73
VPB1000099N	74
VPB1000110N	74
VPM0480201N	73
VPM1060200N	73
VPM1080303N VPM2930601N	73 73
VPM2930601N VPS3901074N	73
VPS5069200N	73
VPS5401001N	73
VPS5401020N	73
VPS5401036SN	73
VPS5401068N	73
Warranties	85

X10	59
X210	59
X220	59
X230	59
X240 X410	59 59
X410 X420	59
X430	59
X445	59
XFTL	28
XFTLL	28
XL210	60
XL220	60
XL230 XL410	60 60
XL410 XL420	60
XL430	60
XMLRL	28
XMTLL	27
XN	62
	62
XQC Designer Kit - XQC Kit-001 XQCBF755	75 10
XQCBF770	10
XQCBM755	11
XQCBM770	11
XQCF755	10
XQCF770	10
XQCLM755	11
XQCLM770	11
XQCM755 XQCM770	10 10
XQCVBF755	10
XQCVBF770	10
XQCVBM755	11
XQCVBM770	11
XQCVF755	10
XQCVF770	10
XQCVLM755 XQCVM755	11
XQCVM755 XQCVM765	10
XQCVM770	11
XT210	61
XT220	61
XT230	61
XT410 XT420	61
X1420 XT430	61
Y013	48
Y055	48
Y070	55
Y080	55
Y090	55
Y100	55
Y110 Y210	55 48
Y220	48
Y230	48
Y240	48
Y250	48
Y260	48
Y410	48
Y420 Y430	48 48
Y450	48
Y460	48
Y670	55
Y680	55

HROMalytic +61(0)3 9762 2034 Australian Distributors; ECHnology Py ttd Importers & Manufacturers

HROMalytic +61(0)3 9762 2034 Australian Distributors;



United	States o	f America
--------	----------	-----------

3325 South Timberline Road Fort Collins, CO 80525 U.S.A. Phone: +1 (970) 267.5200 Toll Free: (888) 404.5837 Fax: +1 (970) 223.0953 sales@valueplastics.com www.valueplastics.com

Asia Pacific

Rm. 206, 2/F, Tung Ming Building, 40-42 Des Voeux Road Central Hong Kong Phone: (852) 6808.9862 Fax: (852) 2470.9802 cnsales@valueplastics.com www.valueplastics.com



8602-1-1-1|1 PCV024 / SG0809/ 5000

THE STATE OF THE SUB-TOTAL OF THE SUB-TO