



LINK **TECH**™

QUICK COUPLINGS INCORPORATED



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joining, machining and assembly of critical zero leak valves and connectors.

LinkTech Quick Couplings Inc. is an American manufacturer of quick couplings and valves. LinkTech's expertise encompasses precision injection molding, plastic



and fittings. LinkTech maintains a continual commitment to innovation and product development.

LinkTech's management team has over 26 years' experience in manufacturing high quality, easy to use industry standard and custom quick couplings, valves,



expansive quality control system that includes manufacturing lot control of every component which guarantees excellent quality and traceability.

All engineering, product development, customer service, marketing, distribution and quality assurance are based at its California headquarters. LinkTech is ISO 9001:2008 Registered with an



to excellence, LinkTech is rapidly becoming the number one choice for quick coupling solutions to support its growing customer base which spans from a single user to fortune 100 world class manufacturers.

It is LinkTech's mission to provide customers with the best product available, on-time delivery and excellent customer service, at the best possible cost.

Because of our dedication

Trust

We have worked diligently to earn our reputation as the new experts in the quick coupling market.

Quality

Quality is the number one priority at LinkTech. We are committed to continuous improvements and are dedicated to providing safe, strong, and long lasting quick couplings.

Integrity

We believe in treating our customers, vendors, and employees with respect and dignity. We value honesty and trustworthiness in all matters and expect it every day in every transaction.

Leadership

We believe in delivering unsurpassed service: providing engineering, design, and technical assistance. We are dedicated to ship your order quickly, accurately and support you with assistance to help you grow your business.

Passion

People don't care how much you know until they know how much you care! Passionate care of our customers is one of our core values. It is a key focus in all of our activities.



LinkTech's quick couplings are particularly well suited for use on durable and disposable medical equipment, analytical devices, and food & beverage applications, among others. LinkTech's standard product range is very broad with over 2000+ styles. In addition, LinkTech has the capability to produce custom couplings to meet unique application requirements.

Product Features

- Exclusive LinkTech Interconnect Guarantee.
- Audible "click" ensures a secure connection.
- Intuitive thumb-latch design, one-hand disconnect.
- Connects with other thumb-latch type couplings.
- Available with internal shut-off valves.
- Integral end terminations eliminate leak points.
- Available in several materials for greater performance.
- High flow, small envelope size.
- Leak-free O-ring seal design.
- Rotates while connected and pressurized.
- Can be sterilized through many methods.
- Stainless Steel Latch and Plastic Latch designs available.

Standard Materials

- Acetal (POM) with NSF listed Buna-N O-rings.
- Medical Grade Gamma stable polypropylene with Peroxide-cured EPDM O-rings.
- Food Grade Chrome Plated Brass with NSF listed Buna-N O-rings.
- Glass Filled Polypropylene with EPDM O-rings.
- USP Class VI coupling versions available.
- Medical Grade ABS with NSF listed Buna-N O-rings.
- High Performance Polysulfone with EPDM O-rings.

Standard Options

- O-ring material change.
- Molded or Dyed colors.
- Exclusion of panel nut and or thumb-latch.
- Exclusion of end termination.
- Exclusion of O-ring lubricant.

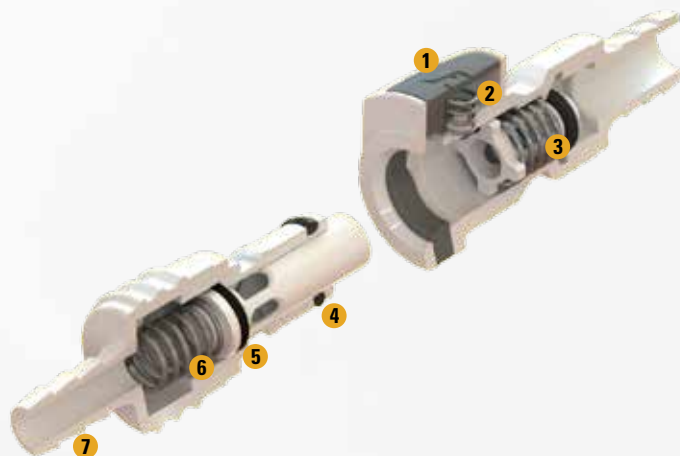
Performance

- Plastic = Vacuum to 120psi (8.3bar)
- Chrome/Brass = Vacuum to 250psi (17.3bar)
- Temperature = -40°F to 180°F (-40°C to 80°C)
- Flow Capacity = 1/16" to 1/2" size

(See each product series for more information.)



Plastic Latch Technology



1. Plastic Thumb-Latch (all 50 & 60 Series couplings)
2. 50 & 60 Series Couplings utilize a more durable stainless spring under the thumb-latch. Endurance cycle tested for over 200,000 connections.
3. Available with or without internal shut-off valves on both Sockets and Plugs
4. Standard FDA/NSF Grade Buna-N O-rings. (others available)
5. Latch groove for all 50 & 60 Series couplings is wider accommodating interconnect with a plastic thumb-latch.
6. All internal springs are high grade 316 stainless steel
7. Built-in end terminations reduce leak points. Standard hose barbs, pipe threads, and compression nuts are available. (Please contact LinkTech to inquire about custom termination solutions.)

Interconnect Guarantee* LinkTech guarantees that any thumb-latch release quick couplings purchased from LinkTech or its authorized distributors will interconnect with all pre-existing industry standard interchangeable thumb-latch release quick couplings of the same size and style as the LinkTech coupling. If not, you can return the products to LinkTech, and LinkTech will, at its option, either replace the products with compatible products, or issue a full refund of the purchase price.

*This interconnect guarantee is subject to certain specific terms and conditions, a copy of which is available at www.LinkTechCouplings.com.



Internal Shut-off Valves

Non-Valved Plug & Socket



Valved Plug & Non-Valved Socket



Xvalved Plug & Xvalved Socket



Non-Valved Plug & Valved Socket



Valved Plug & Socket



Shut-off valves automatically stop flow when couplings disengage. LinkTech couplings are available with or without shut-off valves on either coupling half.

Solid model files available for easy download.



End Termination / Tubing Connections

Hose Barbs:



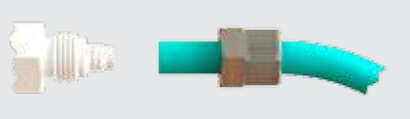
For use with lower durometer tubing such as PVC, Polyurethane, Silicone, rubber, etc.

Pipe Threads:



Available in male or female tapered and straight, NPT, BSPP, BSPT and SAE. Contact LinkTech for non-standard thread requirements.

PTF (Ferrules Polytube Fitting):



For use with semi-rigid tubing such as polyethylene, nylon, polyurethane, polypropylene, etc.

Push In:



For use with semi-rigid tubing such as polyethylene, nylon, polyurethane, polypropylene, etc. Simply push tube in for connection. No compression nut required.

Metal Latch Technology

1. Stainless Steel Thumb-Latch (all 20 & 40 Series couplings)
2. Available with or without internal shut-off valves on both Sockets and Plugs.
3. Standard FDA /NSF Grade Buna-N O-rings. (others available)
4. Latch groove for all 20 & 40 Series couplings is narrow accommodating interconnect with a stainless thumb-latch.
5. All internal springs are high grade 316 stainless steel.
6. Built-in end terminations reduce leak points. Standard hose barbs, pipe threads, and compression nuts are available. (Please contact LinkTech to inquire about custom termination solutions.)



10AC & 10PP Series Couplings

Tubing Size 1/16" - 1/8"
1/16" Flow Acetal (POM) & Polypropylene

10AC couplings are produced in a durable natural Acetal thermoplastic and the 10PP couplings are produced from medical grade, gamma sterilizable polypropylene. The Acetal couplings are resistant to most mild chemicals and are manufactured to be trouble free for many years of service while the Polypropylene couplings offer greater chemical resistance. They are intuitive to use and make an audible click when coupled with their new and improved "Easy Grip Barrel." Both 10AC and 10PP Couplings interconnect with each other as well as other similar industry twist lock type couplings.

10AC Performance Ratings:

- Operating Pressure: Vacuum to 100psi; (6.9bar)
- Temperature: -40°F to 180°F; (-40°C to 82°C)
- Flow Capacity: 1/16" Size

10AC Materials & Construction:

- Bodies & Terminations: Acetal (POM)
- Internal Valves: Acetal (POM)
- Internal Valve Springs: 316 Stainless Steel
- O-rings: FDA & NSF Grade Buna-N (others available)
- Lock Sleeve: Acetal (POM)

10PP Performance Ratings:

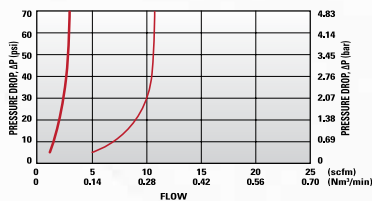
- Operating Pressure: Vacuum to 100psi; (6.9bar)
- Temperature: 32°F to 180°F; (0°C to 82°C)
- Flow Capacity: 1/16" Size

10PP Materials & Construction:

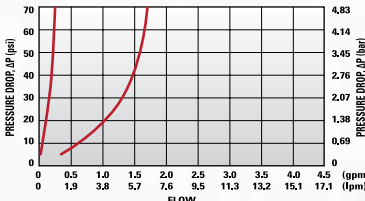
- Bodies & Terminations: medical grade Polypropylene
- Internal Valves: medical grade Polypropylene
- Internal Valve Springs: 316 Stainless Steel
- O-rings: Peroxide-cured EPDM (others available)
- Lock Sleeve: Acetal (POM)

IMPROVED EASY GRIP BARREL

10AC and 10PP Series Air Flow



10AC and 10PP Series Water Flow



Specific coupling combination flow rates can be determined by using this formula:

$$Q = C_v \sqrt{\frac{\Delta P}{S}}$$

Q = Flow rate in gallons per minute

C_v = Average flow rates (see chart)

ΔP = Pressure drop across coupling (psi)

S = Specific gravity of liquid.

FLOW RATES

The data below shows liquid flow rates for LinkTech couplings. Each coupling combination was tested at 70°F (21°C).

Cv Values for 10AC Series Couplings

SOCKETS	10AC-PB2-01	10AC-PB2-02	10AC-PB3-01	10AC-PB3-02
10AC-S2-01	0.03	0.03	0.03	0.03
10ACV-SB2-01	0.03	0.03	0.03	0.03
10AC-S2-02	0.03	0.19	0.03	0.19
10ACV-SB2-02	0.03	0.08	0.03	0.08
10AC-S3-01	0.03	0.03	0.03	0.03
10ACV-SB3-01	0.03	0.03	0.03	0.03
10AC-S3-02	0.03	0.19	0.03	0.19
10ACV-SB3-02	0.03	0.08	0.03	0.08

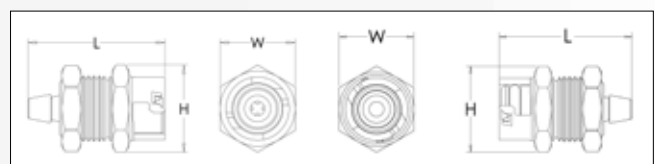
Cv Values for 10PP Series Couplings

SOCKETS	10PP-PB2-01	10PP-PB2-02	10PP-PB3-01	10PP-PB3-02
10PP-S2-01	0.03	0.03	0.03	0.03
10PP-S2-02	0.03	0.19	0.03	0.19
10PP-S3-01	0.03	0.03	0.03	0.03
10PP-S3-02	0.03	0.19	0.03	0.19

Panel Mount Dimensions

	PANEL OPENING	MAX PANEL THICKNESS	MIN PANEL THICKNESS
SOCKETS	.438"	.21"	.03"
PLUGS	.438"	.21"	.03"

PANEL NUT HEX SIZE	PANEL NUT THREAD
1/2"	7/16" - 24UNF



Reference Dimensions: L = Length, W = Width, H = Height

10AC Series Sockets



IN-LINE HOSE BARB SOCKET

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
10AC-S2-01	10ACV-SB2-01	1/16" ID	1.6mm ID	.90"	.48"	.48"
10AC-S2-01BLK	10ACV-SB2-01BLK	1/16" ID	1.6mm ID	.90"	.48"	.48"
10AC-S2-02	10ACV-SB2-02	1/8" ID	3.2mm ID	.90"	.48"	.48"
10AC-S2-02BLK	10ACV-SB2-02BLK	1/8" ID	3.2mm ID	.90"	.48"	.48"



PANEL MOUNT HOSE BARB SOCKET

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
10AC-S3-01	10ACV-SB3-01	1/16" ID	1.6mm ID	.90"	.50"	.58"
10AC-S3-01BLK	10ACV-SB3-01BLK	1/16" ID	1.6mm ID	.90"	.50"	.58"
10AC-S3-02	10ACV-SB3-02	1/8" ID	3.2mm ID	.90"	.50"	.58"
10AC-S3-02BLK	10ACV-SB3-02BLK	1/8" ID	3.2mm ID	.90"	.50"	.58"



IN-LINE HOSE BARB SOCKET, NO SLEEVE

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
10AC-S2-01NS	10ACV-SB2-01NS	1/16" ID	1.6mm ID	.90"	.32"	.32"
10AC-S2-01NSBLK	10ACV-SB2-01NSBLK	1/16" ID	1.6mm ID	.90"	.32"	.32"
10AC-S2-02NS	10ACV-SB2-02NS	1/8" ID	3.2mm ID	.90"	.32"	.32"
10AC-S2-02NSBLK	10ACV-SB2-02NSBLK	1/8" ID	3.2mm ID	.90"	.32"	.32"

10AC Series Plugs



IN-LINE HOSE BARB PLUG

Non-Valved	Tube Size	Metric Tube	Length	Width	Height
10AC-PB2-01	1/16" ID	1.6mm ID	.75"	.48"	.48"
10AC-PB2-01BLK	1/16" ID	1.6mm ID	.75"	.48"	.48"
10AC-PB2-02	1/8" ID	3.2mm ID	.90"	.48"	.48"
10AC-PB2-02BLK	1/8" ID	3.2mm ID	.90"	.48"	.48"



PANEL MOUNT HOSE BARB PLUG

Non-Valved	Tube Size	Metric Tube	Length	Width	Height
10AC-PB3-01	1/16" ID	1.6mm ID	.75"	.50"	.58"
10AC-PB3-01BLK	1/16" ID	1.6mm ID	.75"	.50"	.58"
10AC-PB3-02	1/8" ID	3.2mm ID	.90"	.50"	.58"
10AC-PB3-02BLK	1/8" ID	3.2mm ID	.90"	.50"	.58"



IN-LINE HOSE BARB PLUG, NO SLEEVE

Non-Valved	Tube Size	Metric Tube	Length	Width	Height
10AC-PB2-01NS	1/16" ID	1.6mm ID	.75"	.32"	.32"
10AC-PB2-01NSBLK	1/16" ID	1.6mm ID	.75"	.32"	.32"
10AC-PB2-02NS	1/8" ID	3.2mm ID	.90"	.32"	.32"
10AC-PB2-02NSBLK	1/8" ID	3.2mm ID	.90"	.32"	.32"

10AC In-Line Coupling



IN-LINE HOSE BARB COUPLING

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
10AC2-01	10ACV2-01	1/16" ID	1.6mm ID	1.46"	.48"	.48"
10AC2-01BLK	10ACV2-01BLK	1/16" ID	1.6mm ID	1.46"	.48"	.48"
10AC2-02	10ACV2-02	1/8" ID	3.2mm ID	1.61"	.48"	.48"
10AC2-02BLK	10ACV2-02BLK	1/8" ID	3.2mm ID	1.61"	.48"	.48"

*BLK denotes part available in Black.

**ALL COMPLETE PARTS ALSO
AVAILABLE IN BLACK**



10PP Series Sockets



IN-LINE HOSE BARB SOCKET

Non-Valved	Tube Size	Metric Tube	Length	Width	Height
10PP-S2-01	1/16" ID	1.6mm ID	.90"	.48"	.48"
10PP-S2-02	1/8" ID	3.2mm ID	.90"	.48"	.48"



PANEL MOUNT HOSE BARB SOCKET

Non-Valved	Tube Size	Metric Tube	Length	Width	Height
10PP-S3-01	1/16" ID	1.6mm ID	.90"	.50"	.58"
10PP-S3-02	1/8" ID	3.2mm ID	.90"	.50"	.58"



IN-LINE HOSE BARB SOCKET, NO SLEEVE

Non-Valved	Tube Size	Metric Tube	Length	Width	Height
10PP-S2-01NS	1/16" ID	1.6mm ID	.90"	.32"	.32"
10PP-S2-02NS	1/8" ID	3.2mm ID	.90"	.32"	.32"

10PP Series Plugs



IN-LINE HOSE BARB PLUG

Non-Valved	Tube Size	Metric Tube	Length	Width	Height
10PP-PE2-01	1/16" ID	1.6mm ID	.75"	.48"	.48"
10PP-PE2-02	1/8" ID	3.2mm ID	.90"	.48"	.48"



PANEL MOUNT HOSE BARB PLUG

Non-Valved	Tube Size	Metric Tube	Length	Width	Height
10PP-PE3-01	1/16" ID	1.6mm ID	.75"	.50"	.58"
10PP-PE3-02	1/8" ID	3.2mm ID	.90"	.50"	.58"



IN-LINE HOSE BARB PLUG, NO SLEEVE

Non-Valved	Tube Size	Metric Tube	Length	Width	Height
10PP-PE2-01NS	1/16" ID	1.6mm ID	.75"	.32"	.32"
10PP-PE2-02NS	1/8" ID	3.2mm ID	.90"	.32"	.32"

10PP In-Line Coupling



IN-LINE HOSE BARB COUPLING

Non-Valved	Tube Size	Metric Tube	Length	Width	Height
10PP2-01	1/16" ID	1.6mm ID	1.46"	.48"	.48"
10PP2-02	1/8" ID	3.2mm ID	1.61"	.48"	.48"

These 1/8" flow size couplings are produced in a durable natural Acetal (POM) thermoplastic. They are resistant to most mild chemicals and are manufactured to be trouble free for many years of service. They are intuitive to use and make an audible click when coupled. 20AC couplings interconnect with all other 20PP and 20CB Series couplings as well as other similar industry thumb-latch type couplings.

Performance Ratings:

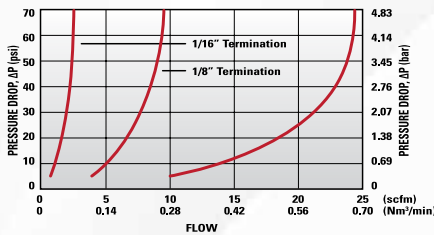
- Operating Pressure: Vacuum to 120psi; (8.3bar)
- Temperature: -40°F to 180°F; (-40°C to 82°C)
- Flow Capacity: 1/8" Size

Materials & Construction:

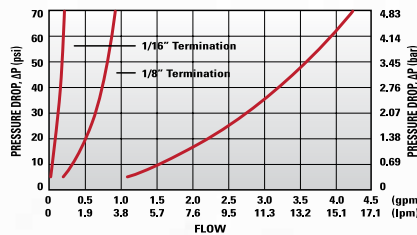
- Bodies & Terminations: Acetal (POM)
- Internal Valves: Acetal (POM)
- Internal Valve Springs: 316 Stainless Steel
- O-rings: FDA & NSF Grade Buna-N (others available)
- Thumb-latch: Stainless Steel
- External Springs & Pins: Stainless Steel



20AC Series Air Flow



20AC Series Water Flow



FLOW RATES

The data below shows liquid flow rates for LinkTech couplings. Each coupling combination was tested at 70°F (21°C).

C_v Values for 20AC Series Couplings

SOCKETS	20ACV-PB2-01	20AC-PB2-01	20ACV-PB2-02	20AC-PB2-02	20ACV-PB2-03	20AC-PB2-03	20ACV-PB2-04	20AC-PB2-04	20ACV-PB9-04	20AC-PB9-04	20ACV-PB1-02	20AC-PB1-02	20ACV-PB1-04	20AC-PB1-04	20ACV-PB4-04	20AC-PB4-04
20ACV-SB2-01	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
20AC-S2-01	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
20ACV-SB2-04	0.03	0.03	0.16	0.22	0.16	0.22	0.21	0.26	0.17	0.23	0.19	0.25	0.21	0.25	0.24	0.27
20AC-S2-04	0.03	0.03	0.18	0.24	0.19	0.26	0.23	0.45	0.24	0.33	0.2	0.45	0.24	0.38	0.27	0.45
20ACV-SB3-02	0.03	0.03	0.14	0.17	0.14	0.18	0.15	0.19	0.15	0.19	0.18	0.18	0.15	0.18	0.15	0.19
20AC-S3-02	0.03	0.03	0.14	0.19	0.14	0.2	0.15	0.27	0.15	0.24	0.15	0.27	0.18	0.28	0.16	0.27
20ACV-SB3-04	0.03	0.03	0.16	0.22	0.16	0.22	0.21	0.26	0.17	0.23	0.19	0.26	0.21	0.26	0.16	0.25
20AC-S3-04	0.03	0.03	0.18	0.25	0.19	0.27	0.23	0.45	0.23	0.34	0.2	0.45	0.25	0.45	0.26	0.45
20ACV-SB8-04	0.03	0.03	0.16	0.2	0.16	0.21	0.17	0.22	0.17	0.21	0.17	0.21	0.17	0.21	0.18	0.22
20AC-S8-04	0.03	0.03	0.16	0.25	0.17	0.3	0.18	0.4	0.18	0.4	0.16	0.4	0.18	0.36	0.21	0.4
20ACV-SB1-02	0.03	0.03	0.16	0.24	0.17	0.25	0.2	0.28	0.18	0.27	0.2	0.26	0.2	0.29	0.24	0.26
20AC-S1-02	0.03	0.03	0.16	0.25	0.17	0.3	0.19	0.5	0.18	0.4	0.2	0.5	0.2	0.5	0.24	0.5
20ACV-SB1-04	0.03	0.03	0.17	0.25	0.18	0.25	0.23	0.3	0.19	0.3	0.21	0.27	0.23	0.28	0.24	0.29
20AC-S1-04	0.03	0.03	0.18	0.26	0.19	0.3	0.24	0.5	0.21	0.4	0.2	0.5	0.25	0.51	0.26	0.5

Specific coupling combination flow rates can be determined by using this formula:

$$Q = C_v \frac{\sqrt{\Delta P}}{S}$$

Q = Flow rate in gallons per minute

C_v = Average flow rates (see chart)

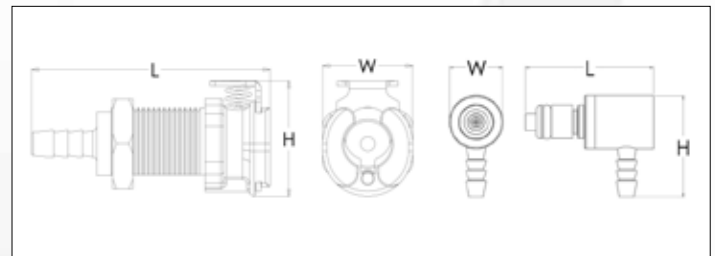
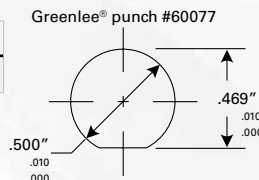
ΔP = Pressure drop across coupling (psi)

S = Specific gravity of liquid.

Panel Mount Dimensions

	PANEL OPENING	MAX PANEL THICKNESS	MIN PANEL THICKNESS
SOCKETS	Per Drawing	0.5"	0.05"
PLUGS	0.5"	0.3"	0.05"

PANEL NUT HEX SIZE	PANEL NUT THREAD
5/8"	1/2" - 24UNS



Reference Dimensions: L = Length, W = Width, H = Height

20AC Series Sockets

Tubing Size 1/16" - 1/4"
1/8" Flow Acetal (POM)



MALE THREAD SOCKET

Non-Valved	Valved	Thread Size	Length	Width	Height
20AC-S1-02	20ACV-SB1-02	1/8" NPT	1.00"	.62"	.80"
20AC-S1-02BSPT	20ACV-SB1-02BSPT	1/8" BSPT	1.00"	.62"	.80"
20AC-S1-04	20ACV-SB1-04	1/4" NPT	1.00"	.62"	.80"
20AC-S1-04BSPT	20ACV-SB1-04BSPT	1/4" BSPT	1.00"	.62"	.80"
N/A	20ACV-SB1-02UT	1/8" UT	.97"	.62"	.80"



IN-LINE HOSE BARB SOCKET

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
20AC-S2-01	20ACV-SB2-01	1/16" ID	1.6mm ID	1.42"	.62"	.80"
20AC-S2-02	20ACV-SB2-02	1/8" ID	3.2mm ID	1.65"	.62"	.80"
20AC-S2-03	20ACV-SB2-03	3/16" ID	4.8mm ID	1.80"	.62"	.80"
20AC-S2-04	20ACV-SB2-04	1/4" ID	6.4mm ID	1.80"	.62"	.80"



IN-LINE PTF SOCKET

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
20AC-S9-025	20ACV-SB9-025	5/32" OD, .10" ID	4.0mm OD, 2.5mm ID	1.65"	.62"	.80"
20AC-S9-04	20ACV-SB9-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.75"	.62"	.80"



PANEL MOUNT HOSE BARB SOCKET

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
20AC-S3-01	20ACV-SB3-01	1/16" ID	1.6mm ID	1.40"	.62"	.80"
20AC-S3-02	20ACV-SB3-02	1/8" ID	3.2mm ID	1.65"	.62"	.80"
20AC-S3-03	20ACV-SB3-03	3/16" ID	4.8mm ID	1.80"	.62"	.80"
20AC-S3-04	20ACV-SB3-04	1/4" ID	6.4mm ID	1.80"	.62"	.80"



PANEL MOUNT H.B. GASKET SEAL SOCKET (GASKET SOLD SEPARATELY)

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
20AC-S3-01GS	20ACV-SB3-01GS	1/16" ID	1.6mm ID	1.40"	.62"	.80"
20AC-S3-02GS	20ACV-SB3-02GS	1/8" ID	3.2mm ID	1.65"	.62"	.80"
20AC-S3-03GS	20ACV-SB3-03GS	3/16" ID	4.8mm ID	1.80"	.62"	.80"
20AC-S3-04GS	20ACV-SB3-04GS	1/4" ID	6.4mm ID	1.80"	.62"	.80"



PANEL MOUNT PTF SOCKET

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
20AC-S8-025	20ACV-SB8-025	5/32" OD, .10" ID	4.0mm OD, 2.5mm ID	1.70"	.62"	.80"
20AC-S8-04	20ACV-SB8-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.72"	.62"	.80"



PANEL MOUNT PTF GASKET SEAL SOCKET (GASKET SOLD SEPARATELY)

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
20AC-S8-025GS	20ACV-SB8-025GS	5/32" OD, .10" ID	4.0mm OD, 2.5mm ID	1.70"	.62"	.80"
20AC-S8-04GS	20ACV-SB8-04GS	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.72"	.62"	.80"



ELBOW HOSE BARB SOCKET

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
20AC-S4-02	20ACV-SB4-02	1/8" ID	3.2mm ID	1.3"	.63"	1.3"
20AC-S4-04	20ACV-SB4-04	1/4" ID	6.4mm ID	1.3"	.63"	1.3"



ELBOW PTF SOCKET

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
20AC-S10-04	20ACV-SB10-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.3"	.63"	1.2"



PANEL MOUNT SEALING GASKET

Part No.	Material	Diameter	Thickness
C11040	Buna-N	.70" OD	.080"
C11105	EPDM	.70" OD	.080"



MALE THREAD PLUG

Non-Valved	Valved	Thread Size	L(nv/v)	Width	Height
20AC-PB1-02	20ACV-PB1-02	1/8" NPT	1.03"/1.36"	.50"	.50"
20AC-PB1-02BSPT	20ACV-PB1-02BSPT	1/8" BSPT	1.03"/1.36"	.50"	.50"
20AC-PB1-04	20ACV-PB1-04	1/4" NPT	1.13"/1.39"	.56"	.56"
20AC-PB1-04BSPT	20ACV-PB1-04BSPT	1/4" BSPT	1.13"/1.39"	.56"	.56"



IN-LINE HOSE BARB PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
20AC-PB2-01	20ACV-PB2-01	1/16" ID	1.6mm ID	.80"/1.48"	.55"	.55"
20AC-PB2-02	20ACV-PB2-02	1/8" ID	3.2mm ID	.97"/1.65"	.55"	.55"
20AC-PB2-03	20ACV-PB2-03	3/16" ID	4.8mm ID	1.12"/.80"	.55"	.55"
20AC-PB2-04	20ACV-PB2-04	1/4" ID	6.4mm ID	1.12"/.80"	.55"	.55"



IN-LINE PTF PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
20AC-PB9-025	20ACV-PB9-025	5/32" OD, .10" ID	4.0mm OD, 2.5mm ID	1.15"/1.65"	.62"	.80"
20AC-PB9-04	20ACV-PB9-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.15"/1.57"	.62"	.80"



ELBOW HOSE BARB PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
20AC-PB4-02	20ACV-PB4-02	1/8" ID	3.2mm ID	.86"/1.19"	.50"	.95"
20AC-PB4-04	20ACV-PB4-04	1/4" ID	6.4mm ID	.98"/1.19"	.50"	1.10"



ELBOW PTF PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
20AC-PB10-025	20ACV-PB10-025	5/32" OD, .10" ID	4.0mm OD, 2.5mm ID	1.09"/1.20"	.50"	.99"
20AC-PB10-04	20ACV-PB10-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.09"/1.20"	.50"	1.02"



PANEL MOUNT HOSE BARB PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
20AC-PB3-01	20ACV-PB3-01	1/16" ID	1.6mm ID	1.37"/1.47"	.62"	.62"
20AC-PB3-02	20ACV-PB3-02	1/8" ID	3.2mm ID	1.60"/1.70"	.62"	.62"
20AC-PB3-03	20ACV-PB3-03	3/16" ID	4.8mm ID	1.77"/1.87"	.62"	.62"
20AC-PB3-04	20ACV-PB3-04	1/4" ID	6.4mm ID	1.76"/1.86"	.62"	.62"



PANEL MOUNT PTF PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
20AC-PB8-04	20ACV-PB8-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.69"/1.79"	.62"	.62"

20PP Series Couplings

Tubing Size 1/16" - 1/4"
1/8" Flow Polypropylene

2 STANDARD COLORS

20PP Series couplings offer 1/8" flow, are produced from medical grade, gamma sterilizable polypropylene, and offer greater chemical resistance. 20PP couplings interconnect with all other 20AC and 20CB Series couplings as well as other similar industry thumb-latch couplings. These couplings are available in Legacy Almond and Modern Cool Grey colors.

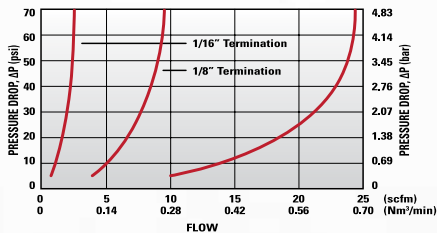
Performance Ratings:

- Operating Pressure: Vacuum to 120psi; (8.3bar)
- Temperature: 32°F to 160°F; (0°C to 71°C)
- Flow Capacity: 1/8" Size
- Sterilization: Gamma; 50 kGy irradiation max (see technical section for more detail)

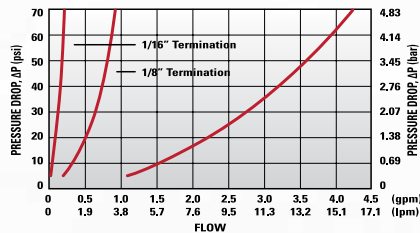
Materials & Construction:

- Bodies & Terminations: Medical Grade Polypropylene
- Internal Valves: Medical Grade Polypropylene
- Internal Valve Springs: 316 Stainless Steel
- O-rings: Peroxide-cured EPDM (others available)
- Thumb-latch: Stainless Steel
- External Springs & Pins: Stainless Steel

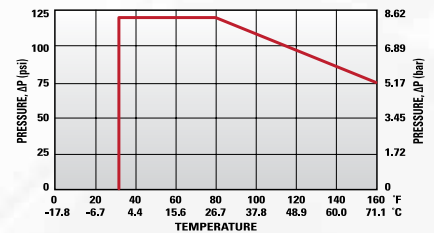
20PP Series Air Flow



20PP Series Water Flow



20PP Series Temperature



FLOW RATES

The data below shows liquid flow rates for LinkTech couplings. Each coupling combination was tested at 70°F (21°C).

C_v Values for 20PP Series Couplings

SOCKETS	20PPV-PE2-01	20PP-PE2-01	20PPV-PE2-02	20PP-PE2-02	20PPV-PE2-04	20PP-PE2-04	20PPV-PE9-04	20PPX-PE9-04	20PPV-PE1-02	20PPX-PE1-02	20PPV-PE4-04	20PPX-PE4-04
20PPV-SE2-01	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
20PP-S2-01	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
20PPV-SE2-04	0.03	0.03	0.16	0.22	0.21	0.26	0.17	0.23	0.19	0.25	0.24	0.27
20PP-S2-04	0.03	0.03	0.18	0.24	0.23	0.45	0.24	0.33	0.2	0.45	0.27	0.45
20PPV-SE3-02	0.03	0.03	0.14	0.17	0.15	0.19	0.15	0.19	0.18	0.18	0.15	0.19
20PP-S3-02	0.03	0.03	0.14	0.19	0.15	0.27	0.15	0.24	0.15	0.27	0.16	0.27
20PPV-SE3-04	0.03	0.03	0.16	0.22	0.21	0.26	0.17	0.23	0.19	0.26	0.16	0.25
20PP-S3-04	0.03	0.03	0.18	0.25	0.23	0.45	0.23	0.34	0.2	0.45	0.26	0.45
20PPV-SE8-04	0.03	0.03	0.16	0.2	0.17	0.22	0.17	0.21	0.17	0.21	0.18	0.22
20PP-S8-04	0.03	0.03	0.16	0.25	0.18	0.4	0.18	0.4	0.16	0.4	0.21	0.4
20PPV-SE1-02	0.03	0.03	0.16	0.24	0.2	0.28	0.18	0.27	0.2	0.26	0.24	0.26
20PP-S1-02	0.03	0.03	0.16	0.25	0.19	0.5	0.18	0.4	0.2	0.5	0.24	0.5
20PPV-SE1-04	0.03	0.03	0.17	0.25	0.23	0.3	0.19	0.3	0.21	0.27	0.24	0.29
20PP-S1-04	0.03	0.03	0.18	0.26	0.24	0.5	0.21	0.4	0.2	0.5	0.26	0.5

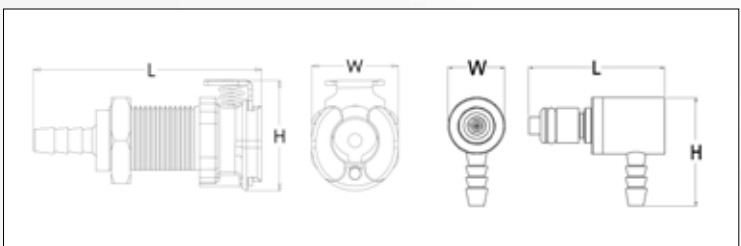
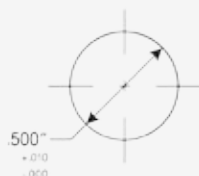
Specific coupling combination flow rates can be determined by using this formula:

$$Q = C_v \sqrt{\frac{\Delta P}{S}}$$

Q = Flow rate in gallons per minute
C_v = Average flow rates (see chart)
ΔP = Pressure drop across coupling (psi)
S = Specific gravity of liquid.

	PANEL OPENING	MAX PANEL THICKNESS	MIN PANEL THICKNESS
SOCKETS	Per Drawing	0.5"	0.05"
PLUGS	0.5"	0.3"	0.05"

PANEL NUT HEX SIZE	PANEL NUT THREAD
5/8"	1/2" - 24 UNS



Reference Dimensions: L = Length, W = Width, H = Height



MALE THREAD SOCKET

Non-Valved	Valved	Thread Size	Length	Width	Height
20PP-S1-02	20PPV-SE1-02	1/8" NPT	1.10"	.64"	.82"
20PP-S1-02MALD	20PPV-SE1-02MALD	1/8" NPT	1.10"	.64"	.82"
20PP-S1-04	20PPV-SE1-04	1/4" NPT	1.10"	.64"	.82"
20PP-S1-04MALD	20PPV-SE1-04MALD	1/4" NPT	1.10"	.64"	.82"



IN-LINE HOSE BARB SOCKET

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
20PP-S2-01	20PPV-SE2-01	1/16" ID	1.6mm ID	1.39"	.63"	.88"
20PP-S2-01MALD	20PPV-SE2-01MALD	1/16" ID	1.6mm ID	1.39"	.63"	.88"
20PP-S2-02	20PPV-SE2-02	1/8" ID	3.2mm ID	1.63"	.63"	.88"
20PP-S2-02MALD	20PPV-SE2-02MALD	1/8" ID	3.2mm ID	1.63"	.63"	.88"
20PP-S2-04	20PPV-SE2-04	1/4" ID	6.4mm ID	1.78"	.63"	.88"
20PP-S2-04MALD	20PPV-SE2-04MALD	1/4" ID	6.4mm ID	1.78"	.63"	.88"



IN-LINE PTF SOCKET

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
20PP-S9-025	20PPV-SE9-025	5/32" OD, .10" ID	4.0mm OD, 2.5mm ID	1.71"	.63"	.88"
20PP-S9-025MALD	20PPV-SE9-025MALD	5/32" OD, .10" ID	4.0mm OD, 2.5mm ID	1.71"	.63"	.88"
20PP-S9-04	20PPV-SE9-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.71"	.63"	.88"
20PP-S9-04MALD	20PPV-SE9-04MALD	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.71"	.63"	.88"



PANEL MOUNT HOSE BARB SOCKET

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
20PP-S3-01	20PPV-SE3-01	1/16" ID	1.6mm ID	1.40"	.63"	.88"
20PP-S3-01MALD	20PPV-SE3-01MALD	1/16" ID	1.6mm ID	1.40"	.63"	.88"
20PP-S3-02	20PPV-SE3-02	1/8" ID	3.2mm ID	1.65"	.63"	.88"
20PP-S3-02MALD	20PPV-SE3-02MALD	1/8" ID	3.2mm ID	1.65"	.63"	.88"
20PP-S3-04	20PPV-SE3-04	1/4" ID	6.4mm ID	1.80"	.63"	.88"
20PP-S3-04MALD	20PPV-SE3-04MALD	1/4" ID	6.4mm ID	1.80"	.63"	.88"



PANEL MOUNT PTF SOCKET

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
20PP-S8-025	20PPV-SE8-025	5/32" OD, .10" ID	4.0mm OD, 2.5mm ID	1.72"	.63"	.88"
20PP-S8-025MALD	20PPV-SE8-025MALD	5/32" OD, .10" ID	4.0mm OD, 2.5mm ID	1.72"	.63"	.88"
20PP-S8-04	20PPV-SE8-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.72"	.63"	.88"
20PP-S8-04MALD	20PPV-SE8-04MALD	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.72"	.63"	.88"

*MALD denotes Almond coupling color.

20PP Series Plugs

Tubing Size 1/16" - 1/4"
1/8" Flow Polypropylene



MALE THREAD PLUG

Non-Valved	Valved	Thread Size	L (nv/v)	Width	Height
20PPX-PE1-02	20PPV-PE1-02	1/8" NPT	1.27"/1.39"	.50"	.50"
20PPX-PE1-02MALD	20PPV-PE1-02MALD	1/8" NPT	1.27"/1.39"	.50"	.50"



IN-LINE HOSE BARB PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L (nv/v)	Width	Height
20PP-PE2-01	20PPV-PE2-01	1/16" ID	1.6mm ID	.80"/1.48"	.55"	.55"
20PP-PE2-01MALD	20PPV-PE2-01MALD	1/16" ID	1.6mm ID	.80"/1.48"	.55"	.55"
20PP-PE2-02	20PPV-PE2-02	1/8" ID	3.2mm ID	.97"/1.65"	.55"	.55"
20PP-PE2-02MALD	20PPV-PE2-02MALD	1/8" ID	3.2mm ID	.97"/1.65"	.55"	.55"
20PP-PE2-04	20PPV-PE2-04	1/4" ID	6.4mm ID	1.12"/1.80"	.55"	.55"
20PP-PE2-04MALD	20PPV-PE2-04MALD	1/4" ID	6.4mm ID	1.12"/1.80"	.55"	.55"



IN-LINE PTF PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L (nv/v)	Width	Height
20PPX-PE9-04	20PPV-PE9-04	1/4" OD, .17 ID	6.4mm OD, 4.3mm ID	1.15"/1.57"	.55"	.55"
20PPX-PE9-04MALD	20PPV-PE9-04MALD	1/4" OD, .17 ID	6.4mm OD, 4.3mm ID	1.15"/1.57"	.55"	.55"



ELBOW HOSE BARB PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L (nv/v)	Width	Height
20PPX-PE4-02	20PPV-PE4-02	1/8" ID	3.2mm ID	1.10"/1.21"	.50"	.95"
20PPX-PE4-02MALD	20PPV-PE4-02MALD	1/8" ID	3.2mm ID	1.10"/1.21"	.50"	.95"
20PPX-PE4-04	20PPV-PE4-04	1/4" ID	6.4mm ID	1.10"/1.21"	.50"	1.10"
20PPX-PE4-04MALD	20PPV-PE4-04MALD	1/4" ID	6.4mm ID	1.10"/1.21"	.50"	1.10"



ELBOW PTF PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L (nv/v)	Width	Height
20PPX-PE10-04	20PPV-PE10-04	1/4" OD, .17 ID	6.4mm OD, 4.3mm ID	1.10"/1.21"	.62"	.80"
20PPX-PE10-04MALD	20PPV-PE10-04MALD	1/4" OD, .17 ID	6.4mm OD, 4.3mm ID	1.10"/1.21"	.62"	.80"

*MALD denotes Almond coupling color.



Available in Modern Cool Grey
and Legacy Almond Color.

Produced in food grade chrome plated brass, these 1/8" flow size couplings are more durable and withstand higher pressures. They are available with internal shut-off valves or straight through. All 20CB couplings interconnect with all other 20AC and 20PP couplings as well as other similar industry thumb-latch type couplings.

Performance Ratings:

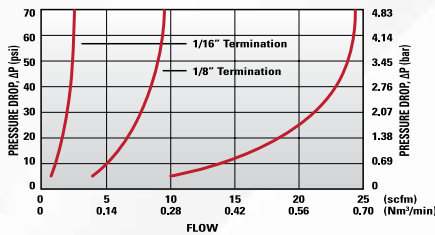
- Operating Pressure: Vacuum to 250psi; (17.3bar)
- Temperature: -40°F to 180°F; (-40°C to 82°C)
- Flow Capacity: 1/8" Size

Materials & Construction:

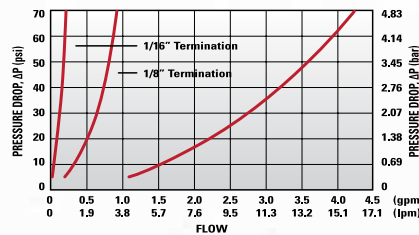
- Bodies & Terminations: Food Grade Chrome/Brass
- Internal Valves: Acetal (POM)
- Internal Valve Springs: 316 Stainless Steel
- O-rings: FDA & NSF Grade Buna-N (others available)
- Thumb-latch: Stainless Steel
- External Springs & Pins: Stainless Steel



20CB Series Air Flow



20CB Series Water Flow



FLOW RATES

The data below shows liquid flow rates for LinkTech couplings. Each coupling combination was tested at 70°F (21°C).

C_v Values for 20CB Series Couplings

SOCKETS	20CBV-PB2-02	20CB-PB2-02	20CBV-PB2-03	20CB-PB2-03	20CBV-PB2-04	20CB-PB2-04	20CBV-PB9-04	20CB-PB9-04	20CBV-PB1-02	20CB-PB1-02	20CBV-PB1-04	20CB-PB1-04	20CBV-PB4-04	20CB-PB4-04
20CBV-SB2-04	0.16	0.22	0.16	0.22	0.21	0.26	0.17	0.23	0.19	0.25	0.21	0.25	0.24	0.27
20CB-S2-04	0.18	0.24	0.19	0.26	0.23	0.45	0.24	0.33	0.2	0.45	0.24	0.38	0.27	0.45
20CBV-SB3-02	0.14	0.17	0.14	0.18	0.15	0.19	0.15	0.19	0.18	0.18	0.15	0.18	0.15	0.19
20CB-S3-02	0.14	0.19	0.14	0.2	0.15	0.27	0.15	0.24	0.15	0.27	0.18	0.28	0.16	0.27
20CBV-SB3-04	0.16	0.22	0.16	0.22	0.21	0.26	0.17	0.23	0.19	0.26	0.21	0.26	0.16	0.25
20CB-S3-04	0.18	0.25	0.19	0.27	0.23	0.45	0.23	0.34	0.2	0.45	0.25	0.45	0.26	0.45
20CBV-SB8-04	0.16	0.2	0.16	0.21	0.17	0.22	0.17	0.21	0.17	0.21	0.17	0.21	0.18	0.22
20CB-S8-04	0.16	0.25	0.17	0.3	0.18	0.4	0.18	0.4	0.16	0.4	0.18	0.36	0.21	0.4
20CBV-SB1-02	0.16	0.24	0.17	0.25	0.2	0.28	0.18	0.27	0.2	0.26	0.2	0.29	0.24	0.26
20CB-S1-02	0.16	0.25	0.17	0.3	0.19	0.5	0.18	0.4	0.2	0.5	0.2	0.5	0.24	0.5
20CBV-SB1-04	0.17	0.25	0.18	0.25	0.23	0.3	0.19	0.3	0.21	0.27	0.23	0.28	0.24	0.29
20CB-S1-04	0.18	0.26	0.19	0.3	0.24	0.5	0.21	0.4	0.2	0.5	0.25	0.51	0.26	0.5

Specific coupling combination flow rates can be determined by using this formula:

$$Q = C_v \sqrt{\frac{\Delta P}{S}}$$

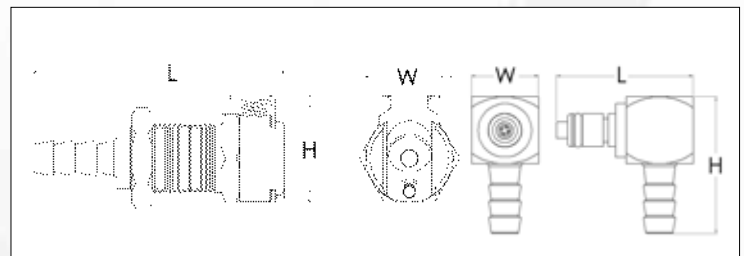
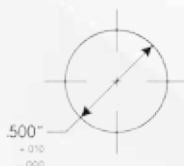
Q = Flow rate in gallons per minute
C_v = Average flow rates (see chart)

ΔP = Pressure drop across coupling (psi)
S = Specific gravity of liquid.

Panel Mount Dimensions

	PANEL OPENING	MAX PANEL THICKNESS	MIN PANEL THICKNESS
SOCKETS	0.5"	0.5"	0.05"
PLUGS	0.5"	0.3"	0.05"

PANEL NUT HEX SIZE	PANEL NUT THREAD
5/8"	1/2" - 24 UNS



Reference Dimensions: L = Length, W = Width, H = Height

20CB Series Sockets

Tubing Size 1/8" - 1/4"
1/8" Flow Chrome Brass



MALE THREAD SOCKET

Non-Valved	Valved	Thread Size	Length	Width	Height
20CB-S1-02	20CBV-SB1-02	1/8" NPT	1.00"	.62"	.80"
20CB-S1-02BSPT	20CBV-SB1-02BSPT	1/8" BSPT	1.00"	.62"	.80"
20CB-S1-04	20CBV-SB1-04	1/4" NPT	1.00"	.62"	.80"
20CB-S1-04BSPT	20CBV-SB1-04BSPT	1/4" BSPT	1.00"	.62"	.80"



IN-LINE HOSE BARB SOCKET

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
20CB-S2-02	20CBV-SB2-02	1/8" ID	3.2mm ID	1.65"	.62"	.80"
20CB-S2-03	20CBV-SB2-03	3/16" ID	4.8mm ID	1.85"	.62"	.80"
20CB-S2-04	20CBV-SB2-04	1/4" ID	6.4mm ID	1.85"	.62"	.80"



IN-LINE PTF SOCKET

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
20CB-S9-025	20CBV-SB9-025	5/32" OD, .10" ID	4.0mm OD, 2.5mm ID	1.68"	.63"	.80"
20CB-S9-04	20CBV-SB9-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.78"	.63"	.80"



PANEL MOUNT HOSE BARB SOCKET

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
20CB-S3-02	20CBV-SB3-02	1/8" ID	3.2mm ID	1.68"	.62"	.80"
20CB-S3-03	20CBV-SB3-03	3/16" ID	4.8mm ID	1.89"	.62"	.80"
20CB-S3-04	20CBV-SB3-04	1/4" ID	6.4mm ID	1.89"	.62"	.80"



PANEL MOUNT PTF SOCKET

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
20CB-S8-025	20CBV-SB8-025	5/32" OD, .10" ID	4.0mm OD, 2.5mm ID	1.68"	.62"	.80"
20CB-S8-04	20CBV-SB8-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.78"	.62"	.80"



PANEL MOUNT MALE THREAD SOCKET

Non-Valved	Valved	Thread Size	Length	Width	Height
20CB-S12-02	20CBV-SB12-02	1/8" NPT	.62"	.80"	.80"



PANEL MOUNT FEMALE THREAD SOCKET

Non-Valved	Valved	Thread Size	Length	Width	Height
20CB-S19-1032	20CBV-SB19-1032	10/32 UNF	.62"	.80"	.80"

20CB Series Plugs

Tubing Size 1/8" - 1/4"
1/8" Flow Chrome Brass



MALE THREAD PLUG

Non-Valved	Valved	Thread Size	L(nv/v)	Width	Height
20CB-PB1-02	20CBV-PB1-02	1/8" NPT	1.05"/1.45"	.50"	.50"
20CB-PB1-02BSPT	20CBV-PB1-02BSPT	1/8" BSPT	1.05"/1.45"	.50"	.50"
20CB-PB1-04	20CBV-PB1-04	1/4" NPT	1.05"/1.45"	.75"	.75"
20CB-PB1-04BSPT	20CBV-PB1-04BSPT	1/4" BSPT	1.05"/1.45"	.75"	.75"



FEMALE THREAD PLUG

Non-Valved	Valved	Thread Size	L(nv/v)	Width	Height
20CB-PB13-1032	20CBV-PB13-1032	10/32 UNF	.63"/1.35"	.56"	.56"
20CB-PB13-02	N/A	1/8" NPT	.95"/n/a	.56"	.56"
20CB-PB13-02BSPT	N/A	1/8" BSPT	.95"/n/a	.56"	.56"
20CB-PB13-04	N/A	1/4" NPT	1.15"/n/a	.63"	.63"

	IN-LINE HOSE BARB PLUG						
	Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
	20CB-PB2-02	20CBV-PB2-02	1/8" ID	3.2mm ID	.98"/1.65"	.63"	.63"
	20CB-PB2-03	20CBV-PB2-03	3/16" ID	4.8mm ID	1.13"/1.80"	.63"	.63"
	20CB-PB2-04	20CBV-PB2-04	1/4" ID	6.4mm ID	1.13"/1.85"	.63"	.63"

	IN-LINE PTF PLUG						
	Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
	20CB-PB9-025	20CBV-PB9-025	5/32" OD, .10" ID	4.0mm OD, 2.5mm ID	1.15"/1.55"	.63"	.63"
	20CB-PB9-04	20CBV-PB9-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.15"/1.55"	.63"	.63"
	20CB-PB9-06	20CBV-PB9-06	3/8" OD, .25" ID	9.5mm OD, 6.4mm ID	1.28"/1.70"	.55"	.55"

	PANEL MOUNT HOSE BARB PLUG						
	Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
	20CB-PB3-02	20CBV-PB3-02	1/8" ID	3.2mm ID	1.65"/1.75"	.62"	.62"
	20CB-PB3-03	20CBV-PB3-03	3/16" ID	4.8mm ID	1.82"/1.92"	.62"	.62"
	20CB-PB3-04	20CBV-PB3-04	1/4" ID	6.4mm ID	1.82"/1.92"	.62"	.62"

	PANEL MOUNT PTF PLUG						
	Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
	20CB-PB8-025	20CBV-PB8-025	5/32" OD, .10" ID	4.0mm OD, 2.5mm ID	1.67"/1.77"	.62"	.62"
	20CB-PB8-04	20CBV-PB8-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.69"/1.79"	.62"	.62"

	ELBOW HOSE BARB PLUG						
	Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
	20CB-PB4-02	20CBV-PB4-02	1/8" ID	3.2mm ID	1.20"/1.30"	.63"	.63"
	20CB-PB4-04	20CBV-PB4-04	1/4" ID	6.4mm ID	1.20"/1.30"	.63"	.63"

	ELBOW PTF PLUG						
	Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
	20CB-PB10-04	20CBV-PB10-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.20"/1.30"	.63"	1.15"

 <i>*Patent Pending</i>	PANEL MOUNT HOSE BARB PLUG, NON ROTATIONAL						
	Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
	20CB-PB20-02	20CBV-PB20-02	1/8" ID	3.2mm ID	1.65"/1.75"	.62"	.62"
	20CB-PB20-03	20CBV-PB20-03	3/16" ID	4.8mm ID	1.82"/1.92"	.62"	.62"
	20CB-PB20-04	20CBV-PB20-04	1/4" ID	6.4mm ID	1.82"/1.92"	.62"	.62"

 <i>*Patent Pending</i>	PANEL MOUNT PTF PLUG, NON ROTATIONAL						
	Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
	20CB-PB21-04	20CBV-PB21-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.69"/1.79"	.62"	.62"

40AC Series Couplings

Tubing Size 1/4" - 3/8"
1/4" Flow Acetal (POM)

These general purpose 1/4" flow size couplings are produced in a durable natural Acetal (POM) thermoplastic. They feature a thumb-latch release which provides a simple one hand operation. They are available in both valved and non-valved configurations. All 40AC couplings interconnect with all other 40PP and 40CB couplings as well as other similar industry thumb-latch type couplings.

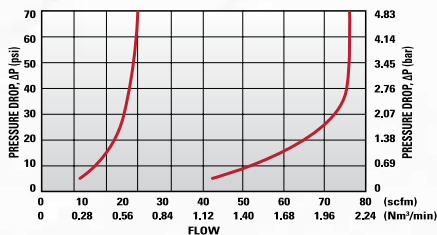
Performance Ratings:

- Operating Pressure: Vacuum to 120psi; (8.3bar)
- Temperature: -40°F to 180°F; (-40°C to 82°C)
- Flow Capacity: 1/4" Size

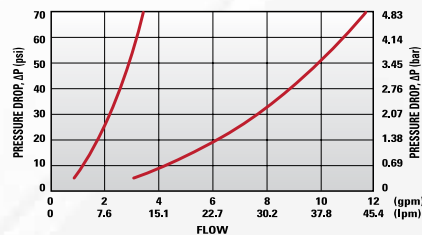
Materials & Construction:

- Bodies & Terminations: Acetal (POM)
- Internal Valves: Acetal (POM)
- Internal Valve Springs: 316 Stainless Steel
- O-rings: FDA & NSF Listed Grade Buna-N (others available)
- Thumb-latch: Stainless Steel
- External Springs & Pins: Stainless Steel

40AC Series Air Flow



40AC Series Water Flow



FLOW RATES

The data below shows liquid flow rates for LinkTech couplings. Each coupling combination was tested at 70°F (21°C).

C_v Values for 40AC Series Couplings

	40ACV-PB2-04	40AC-PB2-04	40ACV-PB2-06	40AC-PB2-06	40ACV-PB9-04	40AC-PB9-04	40ACV-PB9-06	40AC-PB9-06	40ACV-PB1-04	40AC-PB1-04	40ACV-PB1-06	40AC-PB1-06
SOCKETS												
40ACV-SB2-04	0.42	0.58	0.45	0.78	0.31	0.38	0.45	0.6	0.43	0.79	0.45	0.75
40AC-S2-04	0.52	0.95	0.7	1	0.38	0.39	0.55	0.87	0.65	0.95	0.65	1
40ACV-SB2-06	0.43	0.63	0.5	0.89	0.33	0.39	0.62	0.5	0.45	0.95	0.5	0.92
40AC-S2-06	0.53	0.95	0.8	1.4	0.38	0.39	0.57	1	0.7	1.4	0.73	1.4
40ACV-SB3-04	0.42	0.58	0.45	0.78	0.31	0.38	0.45	0.6	0.43	0.79	0.45	0.75
40AC-S3-04	0.52	0.95	0.7	1	0.38	0.39	0.55	0.87	0.65	0.95	0.65	1
40ACV-SB3-06	0.43	0.63	0.5	0.89	0.33	0.39	0.62	0.5	0.45	0.95	0.5	0.92
40AC-S3-06	0.53	0.95	0.8	1.4	0.38	0.39	0.57	1	0.7	1.4	0.73	1.4
40ACV-SB1-04	0.41	0.65	0.5	0.81	0.31	0.35	0.48	0.74	0.45	0.8	0.45	0.8
40AC-S1-04	0.56	0.84	0.83	1.4	0.35	0.4	0.58	1.04	0.75	1.4	0.78	1.4
40ACV-SB1-06	0.43	0.7	0.5	1.03	0.3	0.36	0.7	0.48	0.45	0.97	0.48	1
40AC-S1-06	0.57	0.84	0.82	1.4	0.35	0.4	0.6	1.05	0.75	1.4	0.75	1.4

Specific coupling combination flow rates can be determined by using this formula:

$$Q = C_v \sqrt{\frac{\Delta P}{S}}$$

Q = Flow rate in gallons per minute

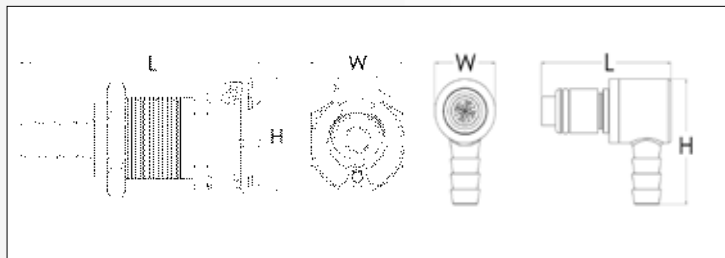
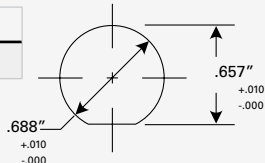
C_v = Average flow rates (see chart)

ΔP = Pressure drop across coupling (psi)

S = Specific gravity of liquid.

	PANEL OPENING	MAX PANEL THICKNESS	MIN PANEL THICKNESS
SOCKETS	See Drawing	0.5"	0.05"
PLUGS	0.688"	0.3"	0.05"

PANEL NUT HEX SIZE	PANEL NUT THREAD
13/16"	11/16" - 24 UNS



Reference Dimensions: L = Length, W = Width, H = Height

Tubing Size 1/4" - 3/8"
1/4" Flow Acetal (POM)

40AC Series Sockets



MALE THREAD SOCKET

Non-Valved	Valved	Thread Size	Length	Width	Height
40AC-S1-04	40ACV-SB1-04	1/4" NPT	1.15"	.75"	.93"
40AC-S1-04BSPT	40ACV-SB1-04BSPT	1/4" BSPT	1.15"	.75"	.93"
40AC-S1-06	40ACV-SB1-06	3/8" NPT	1.15"	.75"	.93"
40AC-S1-06BSPT	40ACV-SB1-06BSPT	3/8" BSPT	1.15"	.75"	.93"



IN-LINE HOSE BARB SOCKET

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
40AC-S2-04	40ACV-SB2-04	1/4" ID	6.4mm ID	1.90"	.75"	.93"
40AC-S2-05	40ACV-SB2-05	5/16" ID	7.9mm ID	1.90"	.75"	.93"
40AC-S2-06	40ACV-SB2-06	3/8" ID	9.5mm ID	1.90"	.75"	.93"



IN-LINE PTF SOCKET

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
40AC-S9-04	40ACV-SB9-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.85"	.75"	.93"
40AC-S9-06	40ACV-SB9-06	3/8" OD, .25" ID	9.5mm OD, 6.4mm ID	1.95"	.75"	.93"



PANEL MOUNT HOSE BARB SOCKET

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
40AC-S3-04	40ACV-SB3-04	1/4" ID	6.4mm ID	1.90"	.75"	.93"
40AC-S3-05	40ACV-SB3-05	5/16" ID	7.9mm ID	1.90"	.75"	.93"
40AC-S3-06	40ACV-SB3-06	3/8" ID	9.5mm ID	1.90"	.75"	.93"



PANEL MOUNT PTF SOCKET

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
40AC-S8-04	40ACV-SB8-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.87"	.75"	.93"
40AC-S8-06	40ACV-SB8-06	3/8" OD, .25" ID	9.5mm OD, 6.4mm ID	1.95"	.75"	.93"



IN-LINE PUSH-IN SOCKET

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
40AC-S17-04	40ACV-SB17-04	1/4" OD	6.4mm OD	1.93"	.75"	.93"



PANEL MOUNT PUSH-IN SOCKET

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
40AC-S18-04	40ACV-SB18-04	1/4" OD	6.4mm OD	1.93"	.75"	.94"

Tubing Size 1/4" - 3/8"
1/4" Flow Acetal (POM)

40AC Series Plugs



MALE THREAD PLUG

Non-Valved	Valved	Thread Size	L(nv/v)	Width	Height
40AC-PB1-04	40ACV-PB1-04	1/4" NPT	1.25"/1.65"	.63"	.63"
40AC-PB1-04BSPT	40ACV-PB1-04BSPT	1/4" BSPT	1.25"/1.65"	.63"	.63"
40AC-PB1-06	40ACV-PB1-06	3/8" NPT	1.25"/1.65"	.75"	.75"
40AC-PB1-06BSPT	40ACV-PB1-06BSPT	3/8" BSPT	1.25"/1.65"	.75"	.75"

40AC Series Plugs

Tubing Size 1/4" - 3/8"
1/4" Flow Acetal (POM)



IN-LINE HOSE BARB PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
40AC-PB2-04	40ACV-PB2-04	1/4" ID	6.4mm ID	1.25"/1.94"	.70"	.70"
40AC-PB2-05	40ACV-PB2-05	5/16" ID	7.9mm ID	1.25"/1.94"	.70"	.70"
40AC-PB2-06	40ACV-PB2-06	3/8" ID	9.5mm ID	1.25"/1.83"	.70"	.70"



IN-LINE PTF PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
40AC-PB9-04	40ACV-PB9-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.25"/1.89"	.63"	.63"
40AC-PB9-06	40ACV-PB9-06	3/8" OD, .25" ID	9.5mm OD, 6.4mm ID	1.40"/1.83"	.63"	.63"



PANEL MOUNT HOSE BARB PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
40AC-PB3-04	40ACV-PB3-04	1/4" ID	6.4mm ID	1.86"/2.01"	.75"	.75"
40AC-PB3-05	40ACV-PB3-05	5/16" ID	7.9mm ID	1.91"/2.05"	.75"	.75"
40AC-PB3-06	40ACV-PB3-06	3/8" ID	9.5mm ID	1.86"/2.01"	.75"	.75"



PANEL MOUNT PTF PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
40AC-PB8-04	40ACV-PB8-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.77"/1.91"	.63"	.80"
40AC-PB8-06	40ACV-PB8-06	3/8" OD, .25" ID	9.5mm OD, 6.4mm ID	1.90"/2.04"	.63"	.80"



ELBOW HOSE BARB PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
40AC-PB4-04	40ACV-PB4-04	1/4" ID	6.4mm ID	1.10"/1.35"	.63"	1.30"
40AC-PB4-06	40ACV-PB4-06	3/8" ID	9.5mm ID	1.10"/1.35"	.63"	1.30"



ELBOW PTF PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
40ACX-PB10-04	40ACV-PB10-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.09"/1.19"	.63"	1.15"
40AC-PB10-06	40ACV-PB10-06	3/8" OD, .25" ID	9.5mm OD, 6.4mm ID	1.22"/1.37"	.63"	1.30"



ELBOW MALE THREAD PLUG

Non-Valved	Valved	Thread Size	L(nv/v)	Width	Height
40AC-PB16-04	40ACV-PB16-04	1/4" NPT	1.20"/1.35"	.70"	1.47"



IN-LINE PUSH-IN PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
40AC-PB17-04	40ACV-PB17-04	1/4" OD	6.4mm OD	1.81"/1.97"	.70"	.70"



PANEL MOUNT PUSH-IN PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
40AC-PB18-04	40ACV-PB18-04	1/4" OD	6.4mm OD	1.88"/2.03"	.75"	.75"



END STOP PLUG

Non-Valved	Length	Width	Height
40AC-PB6	.93"	.63"	.63"

**See Accessories for Push-In fittings on page 44.*



40PP Series couplings offer 1/4" flow and are produced from medical grade gamma sterilizable polypropylene. The 40PP Series polypropylene couplings offer greater chemical resistance and they are available in both valved and non-valved configurations. These couplings are available in Legacy Almond and Modern Cool Grey colors. All 40PP couplings interconnect with all other 40AC and 40CB couplings as well as other similar industry thumb-latch type couplings.

Performance Ratings:

- Operating Pressure: Vacuum to 120psi; (8.3bar)
- Temperature: 32°F to 160°F; (0°C to 71°C)
- Flow Capacity: 1/4" Size
- Sterilization: Gamma; 50 kGy irradiation max (see technical section for more detail)

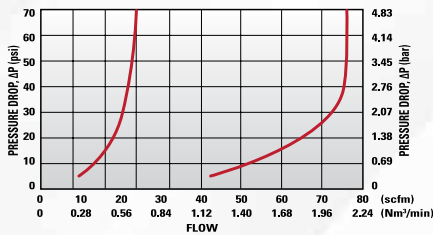
Materials & Construction:

- Bodies & Terminations: Medical Grade Polypropylene
- Internal Valves: Medical Grade Polypropylene
- Internal Valve Springs: 316 Stainless Steel
- O-rings: Peroxide-cured EPDM (others available)
- Thumb-latch: Stainless Steel
- External Springs & Pins: Stainless Steel

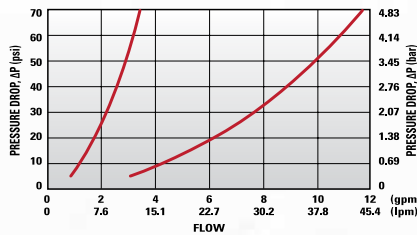


2 STANDARD COLORS

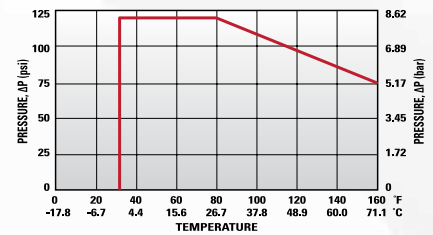
40PP Series Air Flow



40PP Series Water Flow



40PP Series Temperature



FLOW RATES

The data below shows liquid flow rates for LinkTech couplings. Each coupling combination was tested at 70°F (21°C).

C_v Values for 40PP Series Couplings

SOCKETS	40PPV- PE2-04	40PP- PE2-04	40PPV- PE2-06	40PP- PE2-06	40PPV- PE9-06	40PPX- PE9-06	40PPV- PE1-04	40PPX- PE1-04	40PPV- PE3-04	40PP- PE3-04	40PPV- PE3-06	40PP- PE3-06
40PPV-SE2-04	0.42	0.58	0.45	0.78	0.45	0.6	0.43	0.79	0.42	0.58	0.45	0.78
40PP-S2-04	0.52	0.95	0.7	1	0.55	0.87	0.65	0.95	0.52	0.95	0.7	1
40PPV-SE2-06	0.43	0.63	0.5	0.89	0.62	0.5	0.45	0.95	0.43	0.63	0.5	0.89
40PP-S2-06	0.53	0.95	0.8	1.4	0.57	1	0.7	1.4	0.53	0.95	0.8	1.4
40PPV-SE3-04	0.42	0.58	0.45	0.78	0.45	0.6	0.43	0.79	0.42	0.58	0.45	0.78
40PP-S3-04	0.52	0.95	0.7	1	0.55	0.87	0.65	0.95	0.52	0.95	0.7	1
40PPV-SE3-06	0.43	0.63	0.5	0.89	0.62	0.5	0.45	0.95	0.43	0.63	0.5	0.89
40PP-S3-06	0.53	0.95	0.8	1.4	0.57	1	0.7	1.4	0.53	0.95	0.8	1.4
40PPV-SE1-04	0.41	0.65	0.5	0.81	0.48	0.74	0.45	0.8	0.41	0.65	0.5	0.81
40PP-S1-04	0.56	0.84	0.83	1.4	0.58	1.04	0.75	1.4	0.56	0.84	0.83	1.4
40PPV-SE1-06	0.43	0.7	0.5	1.03	0.7	0.48	0.45	0.97	0.43	0.7	0.5	1.03
40PP-S1-06	0.57	0.84	0.82	1.4	0.6	1.05	0.75	1.4	0.57	0.84	0.82	1.4

Specific coupling combination flow rates can be determined by using this formula:

$$Q = C_v \sqrt{\frac{\Delta P}{S}}$$

Q = Flow rate in gallons per minute

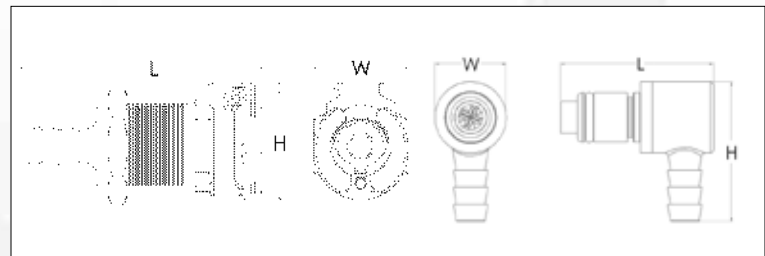
C_v = Average flow rates (see chart)

ΔP = Pressure drop across coupling (psi)

S = Specific gravity of liquid.

	PANEL OPENING	MAX PANEL THICKNESS	MIN PANEL THICKNESS
SOCKETS	See Drawing	0.5"	0.05"
PLUGS	0.688"	0.3"	0.05"

PANEL NUT HEX SIZE	PANEL NUT THREAD
13/16"	11/16" - 24 UNS



Reference Dimensions: L = Length, W = Width, H = Height

40PP Series Sockets

Tubing Size 1/4" - 3/8"
1/4" Flow Polypropylene



MALE THREAD SOCKET

Non-Valved	Valved	Thread Size	Length	Width	Height
40PP-S1-04	40PPV-SE1-04	1/4" NPT	1.16"	.76"	1.04"
40PP-S1-04MALD	40PPV-SE1-04MALD	1/4" NPT	1.16"	.76"	1.04"
40PP-S1-06	40PPV-SE1-06	3/8" NPT	1.16"	.76"	1.04"
40PP-S1-06MALD	40PPV-SE1-06MALD	3/8" NPT	1.16"	.76"	1.04"



IN-LINE HOSE BARB SOCKET

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
40PP-S2-04	40PPV-SE2-04	1/4" ID	6.4mm ID	1.90"	.76"	1.04"
40PP-S2-04MALD	40PPV-SE2-04MALD	1/4" ID	6.4mm ID	1.90"	.76"	1.04"
40PP-S2-06	40PPV-SE2-06	3/8" ID	9.5mm ID	1.90"	.76"	1.04"
40PP-S2-06MALD	40PPV-SE2-06MALD	3/8" ID	9.5mm ID	1.90"	.76"	1.04"



IN-LINE PTF SOCKET

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
40PP-S9-06	40PPV-SE9-06	3/8" OD, 1/4" ID	9.5mm OD, 6.4mm ID	1.95"	.76"	1.04"
40PP-S9-06MALD	40PPV-SE9-06MALD	3/8" OD, 1/4" ID	9.5mm OD, 6.4mm ID	1.95"	.76"	1.04"



PANEL MOUNT HOSE BARB SOCKET

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
40PP-S3-04	40PPV-SE3-04	1/4" ID	6.4mm ID	1.90"	.86"	1.04"
40PP-S3-04MALD	40PPV-SE3-04MALD	1/4" ID	6.4mm ID	1.90"	.86"	1.04"
40PP-S3-06	40PPV-SE3-06	3/8" ID	9.5mm ID	1.90"	.86"	1.04"
40PP-S3-06MALD	40PPV-SE3-06MALD	3/8" ID	9.5mm ID	1.90"	.86"	1.04"



PANEL MOUNT PTF SOCKET

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
40PP-S8-06	40PPV-SE8-06	3/8" OD, 1/4" ID	9.5mm OD, 6.4mm ID	1.95"	.86"	1.04"
40PP-S8-06MALD	40PPV-SE8-06MALD	3/8" OD, 1/4" ID	9.5mm OD, 6.4mm ID	1.95"	.86"	1.04"

*MALD denotes Almond coupling color.

Available in Modern Cool Grey
and Legacy Almond Color.





MALE THREAD PLUG

Non-Valved	Valved	Thread Size	L(nv/v)	Width	Height
40PPX-PE1-04	40PPV-PE1-04	1/4" NPT	1.50"/1.65"	.63"	.63"
40PPX-PE1-04MALD	40PPV-PE1-04MALD	1/4" NPT	1.50"/1.65"	.63"	.63"



IN-LINE HOSE BARB PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
40PP-PE2-04	40PPV-PE2-04	1/4" ID	6.4mm ID	1.25"/1.94"	.70"	.70"
40PP-PE2-04MALD	40PPV-PE2-04MALD	1/4" ID	6.4mm ID	1.25"/1.94"	.70"	.70"
40PP-PE2-06	40PPV-PE2-06	3/8" ID	9.5mm ID	1.25"/1.83"	.70"	.70"
40PP-PE2-06MALD	40PPV-PE2-06MALD	3/8" ID	9.5mm ID	1.25"/1.83"	.70"	.70"



IN-LINE PTF PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
40PPX-PE9-06	40PPV-PE9-06	3/8" OD, 1/4" ID	9.5mm OD, 6.4mm ID	1.68"/1.83"	.63"	.63"
40PPX-PE9-06MALD	40PPV-PE9-06MALD	3/8" OD, 1/4" ID	9.5mm OD, 6.4mm ID	1.68"/1.83"	.63"	.63"



PANEL MOUNT HOSE BARB PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
40PP-PE3-04	40PPV-PE3-04	1/4" ID	6.4mm ID	1.85"/2.00"	.75"	.75"
40PP-PE3-04MALD	40PPV-PE3-04MALD	1/4" ID	6.4mm ID	1.85"/2.00"	.75"	.75"
40PP-PE3-06	40PPV-PE3-06	3/8" ID	9.5mm ID	1.85"/2.00"	.75"	.75"
40PP-PE3-06MALD	40PPV-PE3-06MALD	3/8" ID	9.5mm ID	1.85"/2.00"	.75"	.75"



ELBOW HOSE BARB PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
40PPX-PE4-04	40PPV-PE4-04	1/4" ID	6.4mm ID	1.20"/1.35"	.63"	1.30"
40PPX-PE4-04MALD	40PPV-PE4-04MALD	1/4" ID	6.4mm ID	1.20"/1.35"	.63"	1.30"
40PPX-PE4-06	40PPV-PE4-06	3/8" ID	9.5mm ID	1.20"/1.35"	.63"	1.30"
40PPX-PE4-06MALD	40PPV-PE4-06MALD	3/8" ID	9.5mm ID	1.20"/1.35"	.63"	1.30"



ELBOW PTF PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
40PPX-PE10-06	40PPV-PE10-06	3/8" OD, 1/4" ID	9.5mm OD, 6.4mm ID	1.20"/1.35"	.63"	1.30"
40PPX-PE10-06MALD	40PPV-PE10-06MALD	3/8" OD, 1/4" ID	9.5mm OD, 6.4mm ID	1.20"/1.35"	.63"	1.30"

*MALD denotes Almond coupling color.

Available in Modern Cool Grey
and Legacy Almond Color.



40CB Series Couplings

Tubing Size 1/4" - 3/8"
1/4" Flow Chrome Brass

Produced in food grade chrome plated brass, these 1/4" flow size couplings are more durable and withstand higher pressures. They are available with internal shut-off valves or straight through. All 40CB couplings interconnect with all other 40AC and 40PP couplings as well as other similar industry thumb-latch type couplings.

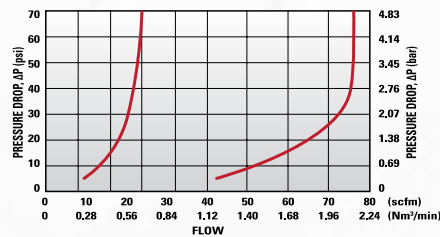
Performance Ratings:

- Operating Pressure: Vacuum to 250psi; (17.3bar)
- Temperature: -40°F to 180°F; (-40°C to 82°C)
- Flow Capacity: 1/4" Size

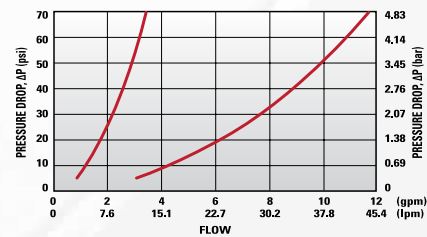
Materials & Construction:

- Bodies & Terminations: Food Grade Chrome/Brass
- Internal Valves: Acetal (POM)
- Internal Valve Springs: 316 Stainless Steel
- O-rings: FDA & NSF Grade Buna-N (others available)
- Thumb-latch: Stainless Steel
- External Springs & Pins: Stainless Steel

40CB Series Air Flow



40CB Series Water Flow



FLOW RATES

The data below shows liquid flow rates for LinkTech couplings. Each coupling combination was tested at 70F (21C).

C_v Values for 40CB Series Couplings

	40CBV-PB2-04	40CB-PB2-04	40CBV-PB2-06	40CB-PB2-06	40CBV-PB9-04	40CB-PB9-04	40CBV-PB9-06	40CB-PB9-06	40CBV-PB1-04	40CB-PB1-04	40CBV-PB1-06	40CB-PB1-06
SOCKETS												
40CBV-SB2-04	0.42	0.58	0.45	0.78	0.31	0.38	0.45	0.6	0.43	0.79	0.45	0.75
40CB-S2-04	0.52	0.95	0.7	1	0.38	0.39	0.55	0.87	0.65	0.95	0.65	1
40CBV-SB2-06	0.43	0.63	0.5	0.89	0.33	0.39	0.62	0.5	0.45	0.95	0.5	0.92
40CB-S2-06	0.53	0.95	0.8	1.4	0.38	0.39	0.57	1	0.7	1.4	0.73	1.4
40CBV-SB3-04	0.42	0.58	0.45	0.78	0.31	0.38	0.45	0.6	0.43	0.79	0.45	0.75
40CB-S3-04	0.52	0.95	0.7	1	0.38	0.39	0.55	0.87	0.65	0.95	0.65	1
40CBV-SB3-06	0.43	0.63	0.5	0.89	0.33	0.39	0.62	0.5	0.45	0.95	0.5	0.92
40CB-S3-06	0.53	0.95	0.8	1.4	0.38	0.39	0.57	1	0.7	1.4	0.73	1.4
40CBV-SB1-04	0.41	0.65	0.5	0.81	0.31	0.35	0.48	0.74	0.45	0.8	0.45	0.8
40CB-S1-04	0.56	0.84	0.83	1.4	0.35	0.4	0.58	1.04	0.75	1.4	0.78	1.4
40CBV-SB1-06	0.43	0.7	0.5	1.03	0.3	0.36	0.7	0.48	0.45	0.97	0.48	1
40CB-S1-06	0.57	0.84	0.82	1.4	0.35	0.4	0.6	1.05	0.75	1.4	0.75	1.4

Specific coupling combination flow rates can be determined by using this formula:

$$Q = C_v \sqrt{\frac{\Delta P}{S}}$$

Q = Flow rate in gallons per minute

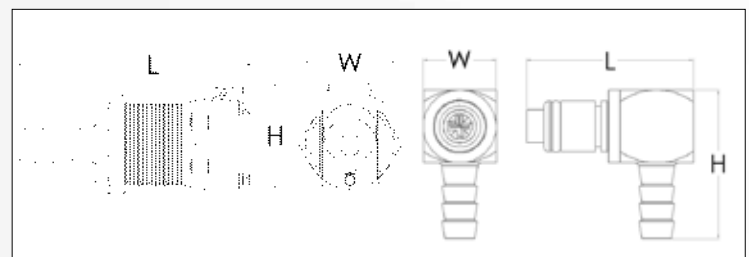
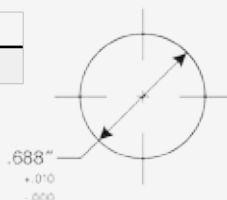
C_v = Average flow rates (see chart)

ΔP = Pressure drop across coupling (psi)

S = Specific gravity of liquid.

	PANEL OPENING	MAX PANEL THICKNESS	MIN PANEL THICKNESS
SOCKETS	0.688"	0.5"	0.05"
PLUGS	0.688"	0.3"	0.05"

PANEL NUT HEX SIZE	PANEL NUT THREAD
13/16"	11/16" - 24 UNS



Reference Dimensions: L = Length, W = Width, H = Height

	MALE THREAD SOCKET						
	Non-Valved	Valved	Thread Size	Length	Width	Height	
	40CB-S1-04	40CBV-SB1-04	1/4" NPT	1.15"	.86"	.90"	
	40CB-S1-04BSPT	40CBV-SB1-04BSPT	1/4" BSPT	1.15"	.86"	.90"	
	40CB-S1-06	40CBV-SB1-06	3/8" NPT	1.15"	.86"	.90"	
	40CB-S1-06BSPT	40CBV-SB1-06BSPT	3/8" BSPT	1.15"	.86"	.90"	

	IN-LINE HOSE BARB SOCKET						
	Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
	40CB-S2-04	40CBV-SB2-04	1/4" ID	6.4mm ID	1.95"	.75"	.90"
	40CB-S2-05	40CBV-SB2-05	5/16" ID	7.9mm ID	2.00"	.75"	.90"
	40CB-S2-06	40CBV-SB2-06	3/8" ID	9.5mm ID	2.00"	.75"	.90"

	IN-LINE PTF SOCKET						
	Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
	40CB-S9-04	40CBV-SB9-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.87"	.75"	.90"
	40CB-S9-06	40CBV-SB9-06	3/8" OD, .25" ID	9.5mm OD, 6.4mm ID	1.95"	.75"	.90"

	PANEL MOUNT HOSE BARB SOCKET						
	Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
	40CB-S3-04	40CBV-SB3-04	1/4" ID	6.4mm ID	1.95"	.86"	.90"
	40CB-S3-05	40CBV-SB3-05	5/16" ID	7.9mm ID	2.00"	.86"	.90"
	40CB-S3-06	40CBV-SB3-06	3/8" ID	9.5mm ID	2.00"	.86"	.90"

	PANEL MOUNT PTF SOCKET						
	Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
	40CB-S8-04	40CBV-SB8-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.87"	.86"	.90"
	40CB-S8-06	40CBV-SB8-06	3/8" OD, .25" ID	9.5mm OD, 6.4mm ID	1.95"	.86"	.90"

	PANEL MOUNT MALE THREAD SOCKET						
	Non-Valved	Valved	Thread Size	Length	Width	Height	
	40CB-S12-04	40CBV-SB12-04	1/4" NPT	.87"	.90"	.80"	

	FEMALE THREAD SOCKET						
	Non-Valved	Valved	Thread Size	Length	Width	Height	
	40CB-S13-04	40CBV-SB13-04	1/4" NPT	1.15"/1.68"	.87"	.90"	

	MALE THREAD SOCKET (GASKET SEAL INCLUDED)						
	Non-Valved	Thread Size		Length	Width	Height	
	40CB-S3557	15/16-27		1.23"	.95"	.99"	
	40CB-S3562	M24 X 1		1.23"	.95"	.99"	

	FEMALE THREAD SOCKET (GASKET SEAL INCLUDED)						
	Non-Valved	Thread Size		Length	Width	Height	
	40CB-S3559	55/64-27		1.21"	.97"	1.01"	
	40CB-S3564	M22 X 1		1.21"	.97"	1.01"	

40CB Series Plugs

Tubing Size 1/4" - 3/8"
1/4" Flow Chrome Brass



MALE THREAD PLUG

Non-Valved	Valved	Thread Size	L(nv/v)	Width	Height
40CB-PB1-04	40CBV-PB1-04	1/4" NPT	1.25"/1.55"	.63"	.63"
40CB-PB1-04BSPT	40CBV-PB1-04BSPT	1/4" BSPT	1.25"/1.55"	.63"	.63"
40CB-PB1-06	40CBV-PB1-06	3/8" NPT	1.25"/1.55"	.75"	.75"
40CB-PB1-06BSPT	40CBV-PB1-06BSPT	3/8" BSPT	1.25"/1.55"	.75"	.75"



FEMALE THREAD PLUG

Non-Valved	Valved	Thread Size	L(nv/v)	Width	Height
40CB-PB13-04	40CBV-PB13-04	1/4" NPT	1.25"/1.90"	.63"	.63"



IN-LINE HOSE BARB PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
40CB-PB2-04	40CBV-PB2-04	1/4" ID	6.4mm ID	1.30"/1.85"	.63"	.63"
40CB-PB2-05	40CBV-PB2-05	5/16" ID	7.9mm ID	1.30"/1.85"	.63"	.63"
40CB-PB2-06	40CBV-PB2-06	3/8" ID	9.5mm ID	1.30"/1.85"	.63"	.63"



IN-LINE PTF PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
40CB-PB9-04	40CBV-PB9-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.21"/1.92"	.63"	.63"
40CB-PB9-06	40CBV-PB9-06	3/8" OD, .25" ID	9.5mm OD, 6.4mm ID	1.34"/2.05"	.63"	.63"



PANEL MOUNT HOSE BARB PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
40CB-PB3-04	40CBV-PB3-04	1/4" ID	6.4mm ID	1.92"/2.06"	.75"	.75"
40CB-PB3-05	40CBV-PB3-05	5/16" ID	7.9mm ID	1.96"/2.10"	.75"	.75"
40CB-PB3-06	40CBV-PB3-06	3/8" ID	9.5mm ID	1.94"/2.08"	.75"	.75"



PANEL MOUNT PTF PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
40CB-PB8-04	40CBV-PB8-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.82"/1.95"	.75"	.75"
40CB-PB8-06	40CBV-PB8-06	3/8" OD, .25" ID	9.5mm OD, 6.4mm ID	1.91"/2.05"	.75"	.75"



ELBOW HOSE BARB PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
40CB-PB4-04	40CBV-PB4-04	1/4" ID	6.4mm ID	1.28"/1.43"	.63"	1.28"
40CB-PB4-06	40CBV-PB4-06	3/8" ID	9.5mm ID	1.28"/1.43"	.63"	1.28"



ELBOW PTF PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
40CB-PB10-04	40CBV-PB10-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.29"/1.43"	.63"	1.28"
40CB-PB10-06	40CBV-PB10-06	3/8" OD, .25" ID	9.5mm OD, 6.4mm ID	1.29"/1.43"	.63"	1.28"



*Patent Pending

PANEL MOUNT HOSE BARB PLUG, NON ROTATIONAL

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
40CB-PB20-04	40CBV-PB20-04	1/4" ID	6.4mm ID	1.92"/2.06"	.75"	.75"
40CB-PB20-05	40CBV-PB20-05	5/16" ID	7.9mm ID	1.96"/2.10"	.75"	.75"
40CB-PB20-06	40CBV-PB20-06	3/8" ID	9.5mm ID	1.94"/2.08"	.75"	.75"



*Patent Pending

PANEL MOUNT PTF PLUG, NON ROTATIONAL

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
40CB-PB21-04	40CBV-PB21-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.82"/1.95"	.75"	.75"
40CB-PB21-06	40CBV-PB21-06	3/8" OD, .25" ID	9.5mm OD, 6.4mm ID	1.91"/2.05"	.75"	.75"

42AB Series Dual Tube couplings offer 3/32" flow capacity and are manufactured from medical grade thermoplastic ABS material. The dual free flow path technology allows two separate fluid lines to run simultaneously all in one coupling. The thumb-latch release creates a simple one hand disconnection, for a quick disconnect, free rotating coupling. 42AB Dual Tube couplings interconnect with other similar industry Twin thumb-latch type couplings.

Performance Ratings:

- Operating Pressure: Vacuum to 120psi; (8.3bar)
- Temperature: -40°F to 180°F; (-40°C to 82°C)
- Flow Capacity: 3/32" Size

Materials & Construction:

- Bodies & Terminations: Medical Grade ABS
- O-rings: Buna-N
- Thumb-latch: Stainless Steel
- External Springs & Pins: Stainless Steel



PANEL MOUNT HOSE BARB SOCKET

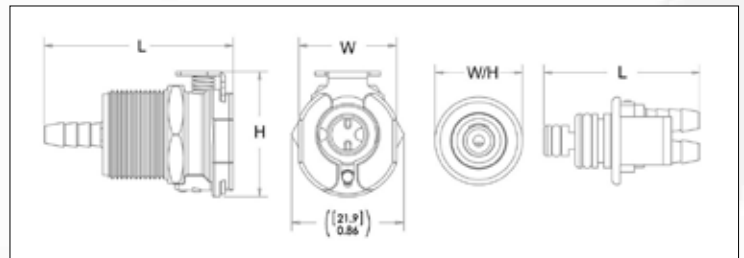
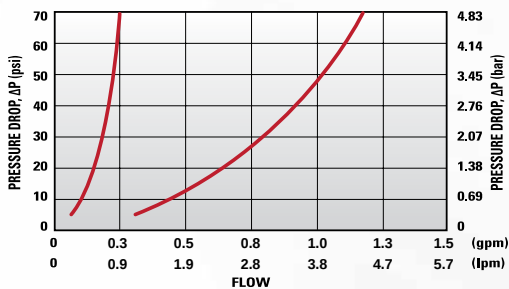
Non-Valved	Tube Size	Metric Tube	Length	Width	Height
42AB-S3-02	1/8" ID	3.2mm ID	1.45"	0.75"	1.00"



IN-LINE HOSE BARB PLUG

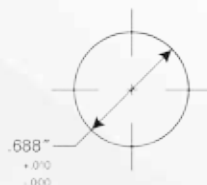
Non-Valved	Tube Size	Metric Tube	Length	Width	Height
42AB-PB2-02	1/8" ID	3.2mm ID	1.26"	0.70"	0.70"

42AB Series Flow



Reference Dimensions: L = Length, W = Width, H = Height

PANEL NUT HEX SIZE	PANEL NUT THREAD
13/16"	11/16" - 24 UNS



50AC Series Couplings

Tubing Size 1/4" - 3/8"
1/4" Flow Acetal (POM)



These 1/4" flow size couplings are produced in a durable natural Acetal (POM) thermoplastic. They feature a more cost efficient plastic thumb-latch design. They are available in both valved and non-valved configurations. All 50AC couplings interconnect with all other 50PP and 50GP couplings as well as other similar industry thumb-latch type couplings.

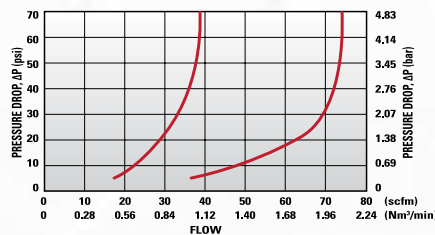
Performance Ratings:

- Operating Pressure: Vacuum to 120psi; (8.3bar)
- Temperature: -40°F to 180°F; (-40°C to 82°C)
- Flow Capacity: 1/4" Size

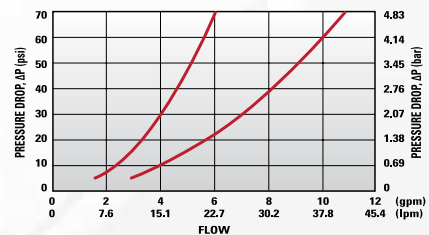
Materials & Construction:

- Bodies & Terminations: Acetal (POM)
- Internal Valves: Acetal (POM)
- Internal Valve Springs: 316 Stainless Steel
- O-rings: FDA & NSF Grade Buna-N (others available)
- Thumb-latch: Acetal (POM)

50AC Series Air Flow



50AC Series Water Flow



FLOW RATES

The data below shows liquid flow rates for LinkTech couplings. Each coupling combination was tested at 70°F (21°C).

C_v Values for 50AC Series Couplings

SOCKETS	50ACV-PB2-04	50AC-PB2-04	50ACV-PB2-06	50AC-PB2-06	50ACV-PB9-04	50AC-PB9-04	50ACV-PB9-06	50AC-PB9-06	50ACV-PB1-04	50AC-PB1-04	50ACV-PB1-06	50AC-PB1-06
50ACV-SB2-04	0.42	0.58	0.45	0.78	0.31	0.38	0.45	0.6	0.43	0.79	0.45	0.75
50AC-S2-04	0.52	0.95	0.7	1	0.38	0.39	0.55	0.87	0.65	0.95	0.65	1
50ACV-SB2-06	0.43	0.63	0.5	0.89	0.33	0.39	0.62	0.5	0.45	0.95	0.5	0.92
50AC-S2-06	0.53	0.95	0.8	1.4	0.38	0.39	0.57	1	0.7	1.4	0.73	1.4
50ACV-SB3-04	0.42	0.58	0.45	0.78	0.31	0.38	0.45	0.6	0.43	0.79	0.45	0.75
50AC-S3-04	0.52	0.95	0.7	1	0.38	0.39	0.55	0.87	0.65	0.95	0.65	1
50ACV-SB3-06	0.43	0.63	0.5	0.89	0.33	0.39	0.62	0.5	0.45	0.95	0.5	0.92
50AC-S3-06	0.53	0.95	0.8	1.4	0.38	0.39	0.57	1	0.7	1.4	0.73	1.4
50ACV-SB1-04	0.41	0.65	0.5	0.81	0.31	0.35	0.48	0.74	0.45	0.8	0.45	0.8
50AC-S1-04	0.56	0.84	0.83	1.4	0.35	0.4	0.58	1.04	0.75	1.4	0.78	1.4
50ACV-SB1-06	0.43	0.7	0.5	1.03	0.3	0.36	0.7	0.48	0.45	0.97	0.48	1
50AC-S1-06	0.57	0.84	0.82	1.4	0.35	0.4	0.6	1.05	0.75	1.4	0.75	1.4

Specific coupling combination flow rates can be determined by using this formula:

$$Q = C_v \sqrt{\frac{\Delta P}{S}}$$

Q = Flow rate in gallons per minute

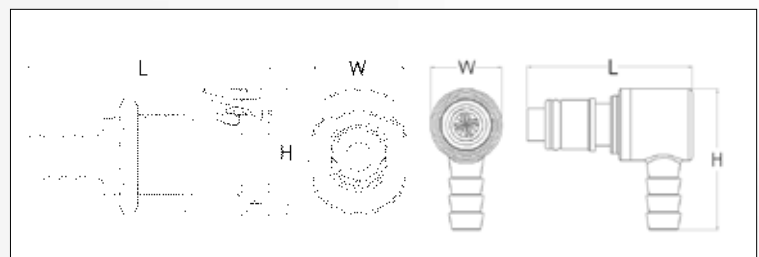
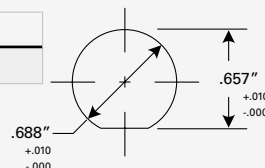
C_v = Average flow rates (see chart)

ΔP = Pressure drop across coupling (psi)

S = Specific gravity of liquid.

	PANEL OPENING	MAX PANEL THICKNESS	MIN PANEL THICKNESS
SOCKETS	See Drawing	0.5"	0.05"
PLUGS	0.688"	0.3"	0.05"

PANEL NUT HEX SIZE	PANEL NUT THREAD
13/16"	11/16" - 24 UNS



Reference Dimensions: L = Length, W = Width, H = Height

	MALE THREAD SOCKET						
	Non-Valved	Valved	Thread Size	Length	Width	Height	
	50AC-S1-04	50ACV-SB1-04	1/4" NPT	1.40"	.75"	.94"	
	50AC-S1-06	50ACV-SB1-06	3/8" NPT	1.40"	.75"	.94"	
	MALE THREAD SOCKET, WITH LATCH GUARD						
	Non-Valved	Valved	Thread Size	Length	Width	Height	
	50AC-S35107	50ACV-S35107	1/4" NPT	1.40"	.75"	.94"	
	IN-LINE HOSE BARB SOCKET, SHORT BODY						
	Non-Valved	Tube Size	Metric Tube	Length	Width	Height	
	50AC-S2-04	1/4" ID	6.4mm ID	1.35"	.75"	.94"	
	50AC-S2-06	3/8" ID	9.5mm ID	1.35"	.75"	.94"	
	IN-LINE HOSE BARB SOCKET, LONG BODY						
	Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
	50AC-S2-04LB	50ACV-SB2-04	1/4" ID	6.4mm ID	2.02"	.75"	.94"
	50AC-S2-05LB	50ACV-SB2-05	5/16"	7.9mm ID	2.02"	.75"	.94"
	50AC-S2-06LB	50ACV-SB2-06	3/8" ID	9.5mm ID	2.02"	.75"	.94"
	IN-LINE PTF SOCKET, LONG BODY						
	Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
	50AC-S9-04LB	50ACV-SB9-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.95"	.75"	.93"
	50AC-S9-06LB	50ACV-SB9-06	3/8" OD, .25" ID	9.5mm OD, 6.4mm ID	2.05"	.75"	.93"
	PANEL MOUNT HOSE BARB SOCKET						
	Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
	50AC-S3-04	50ACV-SB3-04	1/4" ID	6.4mm ID	2.10"	.90"	1.05"
	50AC-S3-05	50ACV-SB3-05	5/16" ID	7.9mm ID	2.10"	.90"	1.05"
	50AC-S3-06	50ACV-SB3-06	3/8" ID	9.5mm ID	2.10"	.90"	1.05"
	PANEL MOUNT PTF SOCKET						
	Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
	50AC-S8-04	50ACV-SB8-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.97"	.90"	1.05"
	50AC-S8-06	50ACV-SB8-06	3/8" OD, .25" ID	9.5mm OD, 6.4mm ID	2.10"	.90"	1.05"
	IN-LINE PUSH-IN SOCKET						
	Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
	50AC-S17-04	50ACV-SB17-04	1/4" OD	6.4mm OD	2.06"	.76"	.94"
	PANEL MOUNT PUSH-IN SOCKET						
	Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
	50AC-S18-04	50ACV-SB18-04	1/4" OD	6.4mm OD	2.09"	.87"	1.05"

**See Accessories for Push-In fittings on page 44.*



50AC Series Plugs

Tubing Size 1/4" - 3/8"
1/4" Flow Acetal (POM)



MALE THREAD PLUG

Non-Valved	Valved	Thread Size	L(nv/v)	Width	Height
50AC-PB1-04	50ACV-PB1-04	1/4" NPT	1.40"/1.75"	.55"	.55"
50AC-PB1-06	50ACV-PB1-06	3/8" NPT	1.40"/1.60"	.75"	.75"



IN-LINE HOSE BARB PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
50AC-PB2-04	50ACV-PB2-04	1/4" ID	6.4mm ID	1.35"/2.05"	.70"	.70"
50AC-PB2-05	50ACV-PB2-05	5/16" ID	7.9mm ID	1.93"/2.03"	.70"	.70"
50AC-PB2-06	50ACV-PB2-06	3/8" ID	9.5mm ID	1.35"/1.90"	.70"	.70"



IN-LINE PTF PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
50AC-PB9-04	50ACV-PB9-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.80"/1.96"	.63"	.63"
50AC-PB9-06	50ACV-PB9-06	3/8" OD, .25" ID	9.5mm OD, 6.4mm ID	1.74"/1.89"	.63"	.63"



ELBOW HOSE BARB PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
50AC-PB4-04	50ACV-PB4-04	1/4" ID	6.4mm ID	1.20"/1.45"	.63"	1.28"
50AC-PB4-06	50ACV-PB4-06	3/8" ID	9.5mm ID	1.20"/1.48"	.63"	1.28"



ELBOW PTF PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
50ACX-PB10-04	50ACV-PB10-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.33"/1.48"	.63"	1.15"
50AC-PB10-06	50ACV-PB10-06	3/8" OD, .25" ID	9.5mm OD, 6.4mm ID	1.34"/1.50"	.63"	1.30"



ELBOW MALE THREAD PLUG

Non-Valved	Valved	Thread Size	L (nv/v)	Width	Height
50AC-PB16-04	50ACV-PB16-04	1/4" NPT	1.29"/1.45"	.70"	1.47"



IN LINE PUSH-IN PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L (nv/v)	Width	Height
50AC-PB17-04	50ACV-PB17-04	1/4" OD	6.4mm OD	1.91"/2.08"	.70"	.70"

**See Accessories for Push-In fittings on page 44.*



50PP Series couplings offer 1/4" flow and are produced from medical grade gamma sterilizable polypropylene. The 50PP Series polypropylene couplings offer greater chemical resistance and they are available in both valved and non-valved configurations. All 50PP couplings interconnect with all other 50 Series couplings as well as other similar industry thumb-latch type couplings.

Performance Ratings:

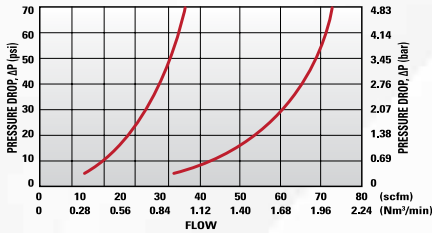
- Operating Pressure: Vacuum to 100 psi; (7.2bar)
- Temperature: 32°F to 160°F (0°C to 71°C)
- Flow Capacity: 1/4" Size

Materials & Construction:

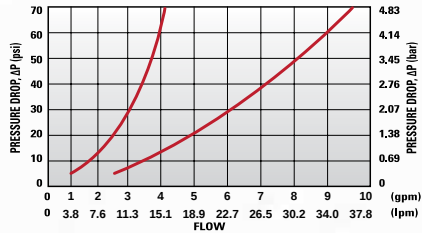
- Bodies & Terminations: Medical Grade Polypropylene
- Internal Valves: Medical Grade Polypropylene
- Internal Valve Springs: 316 Stainless Steel
- External Springs & Pins: Stainless Steel
- O-rings: Peroxide-cured EPDM (others available)
- Thumb-latch: Medical Grade Polypropylene



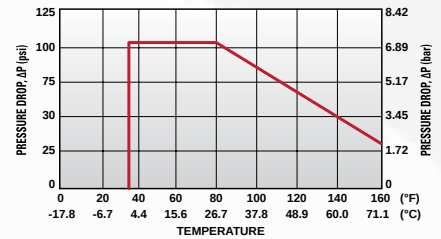
50PP Series Air Flow



50PP Series Water Flow



50PP Series Temperature



FLOW RATES

The data below shows liquid flow rates for LinkTech couplings. Each coupling combination was tested at 70°F (21°C).

Cv Values for 50PP Series Couplings

Specific coupling combination flow rates can be determined by using this formula:

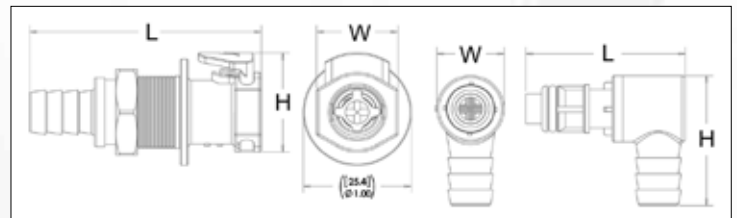
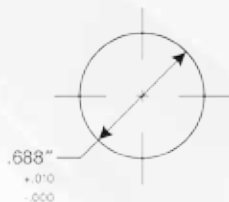
$$Q = C_v \sqrt{\frac{\Delta P}{S}}$$

Q = Flow rate in gallons per minute
C_v = Average flow rates (see chart)
ΔP = Pressure drop across coupling (psi)
S = Specific gravity of liquid.

SOCKETS	50PPX-PE2-04	50PPV-PE2-04	50PPX-PE2-06	50PPV-PE2-06	50PPX-PE4-04	50PPV-PE4-04	50PPX-PE4-06	50PPV-PE4-06	50PPV-PE1-04	50PPV-PE1-06
50PPV-SE2-04	0.51	0.51	0.51	0.51	0.5	0.45	0.5	0.5	0.51	0.51
50PPV-SE2-06	0.61	0.51	1.13	0.72	0.5	0.45	0.81	0.69	0.51	0.72
50PPV-SE3-04	0.51	0.51	0.51	0.51	0.5	0.45	0.5	0.5	0.51	0.51
50PPV-SE3-06	0.61	0.51	1.13	0.72	0.5	0.45	0.81	0.69	0.51	0.72

	PANEL OPENING	MAX PANEL THICKNESS	MIN PANEL THICKNESS
SOCKETS	See Drawing	0.5"	0.05"

PANEL NUT HEX SIZE	PANEL NUT THREAD
13/16"	11/16" - 24 UNS



Reference Dimensions: L = Length, W = Width, H = Height

50PP Series Socket

Tubing Size 1/4" - 3/8"
1/4" Flow Polypropylene



IN-LINE HOSE BARB SOCKET

Valved	Tube Size	Metric Tube	Length	Width	Height
50PPV-SE2-04	1/4" ID	6.4mm ID	2.01"	0.76"	0.94"
50PPV-SE2-06	3/8" ID	9.5mm ID	2.01"	0.76"	0.94"



PANEL MOUNT HOSE BARB SOCKET (GASKET SEAL INCLUDED)

Valved	Tube Size	Metric Tube	Length	Width	Height
50PPV-SE3-04	1/4" ID	6.4mm ID	2.14"	1.00"	0.94"
50PPV-SE3-06	3/8" ID	9.5mm ID	2.14"	1.00"	0.94"



PANEL MOUNT SOCKET SEALING GASKET

Part No.	Material	Diameter	Thickness
C11376	EPDM	1.00" OD	0.08"

50PP Series Plug

Tubing Size 1/4" - 3/8"
1/4" Flow Polypropylene



MALE THREAD PLUG

Non-Valved	Valved	Thread Size	Length	Width	Height
50PPX-PE1-04	50PPV-PE1-04	1/4" NPT	1.60"/1.75"	0.63"	0.63"
50PPX-PE1-06	50PPV-PE1-06	3/8" NPT	1.60"/1.75"	0.75"	0.75"



IN-LINE HOSE BARB PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
50PPX-PE2-04	50PPV-PE2-04	1/4" ID	6.4mm ID	1.89" / 2.04"	0.70"	0.70"
50PPX-PE2-06	50PPV-PE2-06	3/8" ID	9.5mm ID	1.76" / 1.91"	0.70"	0.70"



ELBOW HOSE BARB PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
50PPX-PE4-04	50PPV-PE4-04	1/4" ID	6.4mm ID	1.29" / 1.44"	0.63"	1.23"
50PPX-PE4-06	50PPV-PE4-06	3/8" ID	9.5mm ID	1.33" / 1.48"	0.63"	1.23"

LinkTech's patented breakaway connectors improve safety by allowing users to make a fast and leakfree disconnect with a simple pull of the coupling. The 50BAC Series couplings utilize a new patented design that facilitates two methods of disconnects. These innovative couplings are designed to disconnect when pull force is applied to the coupling or the user can simply depress the thumb-latch. LinkTech's unique 50BAC couplings interconnect with all standard 50AC and 50GP Plugs allowing for reverse field compatibility.

Performance Ratings:

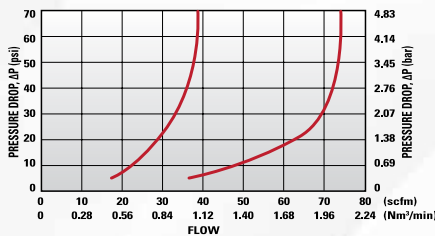
- Operating Pressure: 0psi to 20psi
- Temperature: 0°F to 180°F; (-18°C to 82°C)
- Flow Capacity: 1/4" Size

Materials & Construction:

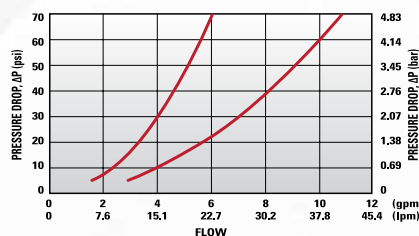
- Bodies & Terminations: Acetal (POM)
- Internal Valves: Acetal (POM)
- Internal Valve Springs: 316 Stainless Steel
- O-rings: FDA & NSF Grade Buna-N (others available)
- Thumb-latch: Acetal (POM)



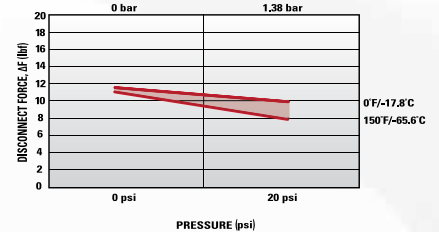
50BAC Series Air Flow



50BAC Series Water Flow



50BAC DISCONNECT FORCE



FLOW RATES

The data below shows liquid flow rates for LinkTech couplings. Each coupling combination was tested at 70°F (21°C).

C_v Values for 50BAC Series Couplings

SOCKETS	50ACV-PB2-04	50AC-PB2-04	50ACV-PB2-06	50AC-PB2-06	50ACV-PB9-04	50AC-PB9-04	50ACV-PB9-06	50AC-PB9-06	50ACV-PB1-04	50AC-PB1-04	50ACV-PB1-06	50AC-PB1-06
50BACV-SB2-04	0.42	0.58	0.45	0.78	0.31	0.38	0.45	0.6	0.43	0.79	0.45	0.75
50BAC-S2-04	0.52	0.95	0.7	1	0.38	0.39	0.55	0.87	0.65	0.95	0.65	1
50BACV-SB2-06	0.43	0.63	0.5	0.89	0.33	0.39	0.62	0.5	0.45	0.95	0.5	0.92
50BAC-S2-06	0.53	0.95	0.8	1.4	0.38	0.39	0.57	1	0.7	1.4	0.73	1.4
50BACV-SB3-04	0.42	0.58	0.45	0.78	0.31	0.38	0.45	0.6	0.43	0.79	0.45	0.75
50BAC-S3-04	0.52	0.95	0.7	1	0.38	0.39	0.55	0.87	0.65	0.95	0.65	1
50BACV-SB3-06	0.43	0.63	0.5	0.89	0.33	0.39	0.62	0.5	0.45	0.95	0.5	0.92
50BAC-S3-06	0.53	0.95	0.8	1.4	0.38	0.39	0.57	1	0.7	1.4	0.73	1.4
50BACV-SB1-04	0.41	0.65	0.5	0.81	0.31	0.35	0.48	0.74	0.45	0.8	0.45	0.8
50BAC-S1-04	0.56	0.84	0.83	1.4	0.35	0.4	0.58	1.04	0.75	1.4	0.78	1.4
50BACV-SB1-06	0.43	0.7	0.5	1.03	0.3	0.36	0.7	0.48	0.45	0.97	0.48	1
50BAC-S1-06	0.57	0.84	0.82	1.4	0.35	0.4	0.6	1.05	0.75	1.4	0.75	1.4

Specific coupling combination flow rates can be determined by using this formula:

$$Q = C_v \sqrt{\frac{\Delta P}{S}}$$

Q = Flow rate in gallons per minute

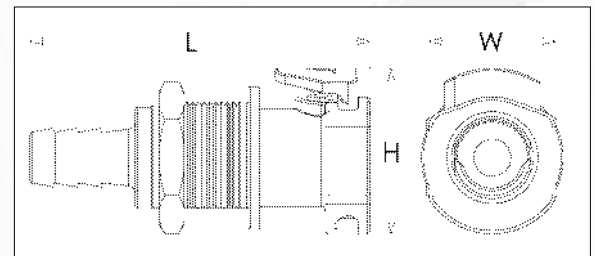
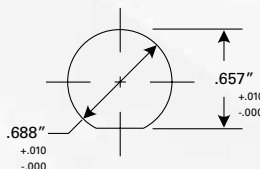
C_v = Average flow rates (see chart)

ΔP = Pressure drop across coupling (psi)

S = Specific gravity of liquid.

	PANEL OPENING	MAX PANEL THICKNESS	MIN PANEL THICKNESS
SOCKETS	See Drawing	0.5"	0.05"
PLUGS	0.688"	0.3"	0.05"

PANEL NUT HEX SIZE	PANEL NUT THREAD
13/16"	11/16" - 24 UNS



Reference Dimensions: L = Length, W = Width, H = Height

50BAC Series Breakaway Sockets

Tubing Size 1/4" - 3/8"
1/4" Flow Acetal (POM)



MALE THREAD SOCKET

Non-Valved	Valved	Thread Size	Length	Width	Height
50BAC-S1-04	50BACV-SB1-04	1/4" NPT	1.40"	.75"	.94"
50BAC-S1-06	50BACV-SB1-06	3/8" NPT	1.40"	.75"	.94"



IN-LINE HOSE BARB SOCKET, SHORT BODY

Non-Valved	Tube Size	Metric Tube	Length	Width	Height
50BAC-S2-04	1/4" ID	6.4mm ID	1.35"	.75"	.94"
50BAC-S2-06	3/8" ID	9.5mm ID	1.35"	.75"	.94"



IN-LINE HOSE BARB SOCKET, LONG BODY

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
50BAC-S2-04LB	50BACV-SB2-04	1/4" ID	6.4mm ID	2.02"	.75"	.94"
50BAC-S2-05LB	50BACV-SB2-05	5/16" ID	7.9mm ID	2.02"	.75"	.94"
50BAC-S2-06LB	50BACV-SB2-06	3/8" ID	9.5mm ID	2.02"	.75"	.94"



IN-LINE PTF SOCKET, LONG BODY

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
50BAC-S9-04LB	50BACV-SB9-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.95"	.75"	.93"
50BAC-S9-06LB	50BACV-SB9-06	3/8" OD, .25" ID	9.5mm OD, 6.4mm ID	2.05"	.75"	.93"



PANEL MOUNT HOSE BARB SOCKET (GASKET SOLD SEPARATELY)

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
50BAC-S3-04	50BACV-SB3-04	1/4" ID	6.4mm ID	2.10"	.90"	1.05"
50BAC-S3-05	50BACV-SB3-05	5/16" ID	7.9mm ID	2.10"	.90"	1.05"
50BAC-S3-06	50BACV-SB3-06	3/8" ID	9.5mm ID	2.10"	.90"	1.05"



PANEL MOUNT PTF SOCKET (GASKET SOLD SEPARATELY)

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
50BAC-S8-04	50BACV-SB8-04	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	1.97"	.90"	1.05"
50BAC-S8-06	50BACV-SB8-06	3/8" OD, .25" ID	9.5mm OD, 6.4mm ID	2.10"	.90"	1.05"



PANEL MOUNT SOCKET SEALING GASKET

Part No.	Material	Diameter	Thickness
C11027	Buna-N	0.88" OD	0.050"
C11073	EPDM	0.88" OD	0.050"

50GP Series couplings are manufactured from a high performance glass filled polypropylene. With excellent chemical resistance properties, these couplings are well suited for applications in acid and chemical transfer. All 50GP couplings interconnect with the 50AC Series product range.

Performance Ratings:

- Operating Pressure: Vacuum to 120psi; (8.3bar)
- Temperature: -40°F to 180°F; (-40°C to 82°C)
- Flow Capacity: 1/4" Size

Materials & Construction:

- Bodies & Terminations: Glass Filled Polypropylene
- Thumb-latch: Acetal (POM)
- Springs: Stainless Steel
- O-rings: EPDM (others available)
- Internal Valves: Acetal (POM)



MALE THREAD SOCKET

Non-Valved	Thread Size	Length	Width	Height
50GP-S1-04	1/4" NPT	1.40"	.75"	.93"



IN-LINE HOSE BARB SOCKET, SHORT BODY

Non-Valved	Tube Size	Metric Tube	Length	Width	Height
50GP-S5-04	1/4" ID	6.4mm ID	1.35"	.75"	.93"
50GP-S5-06	3/8" ID	9.5mm ID	1.35"	.75"	.93"



IN-LINE HOSE BARB SOCKET, LONG BODY

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
50GP-S5-06LB	50GPV-SF5-06	3/8" ID	9.5mm ID	2.00"	.83"	.94"



ELBOW HOSE BARB SOCKET

Non-Valved	Tube Size	Metric Tube	Length	Width	Height
50GP-S7-06	3/8" ID	9.5mm ID	1.23"	.75"	1.50"

50GP Series Plug

Tubing Size 1/4" - 3/8"
1/4" Flow Glass Filled Polypropylene



MALE THREAD PLUG

Non-Valved	Thread Size	Length	Width	Height
50GP-PF1-04	1/4" NPT	1.35"	.62"	.62"



IN-LINE HOSE BARB PLUG

Non-Valved	Tube Size	Metric Tube	Length	Width	Height
50GP-PF5-04	1/4" ID	6.4mm ID	1.35"	.62"	.62"
50GP-PF5-06	3/8" ID	9.5mm ID	1.35"	.62"	.62"



ELBOW HOSE BARB PLUG

Non-Valved	Tube Size	Metric Tube	Length	Width	Height
50GP-PF7-06	3/8" ID	9.5mm ID	1.25"	.62"	1.26"



END STOP PLUG

Non-Valved	Length	Width	Height
50GP-PF6	1.20"	.69"	.69"

These New 60PP Series couplings bring the highest available 3/8" flow with both valved and non-valved configurations. They are manufactured from medical grade, gamma sterilizable polypropylene. The cost efficient high flow couplings offer a larger, more robust thumb-latch and greater chemical resistance. The New and Improved Panel Mount couplings offer a stronger, more reliable design for thicker wall panels and other various applications. All 60PP couplings interconnect with all other 60 Series couplings as well as other similar industry thumb-latch type high flow couplings.

Performance Ratings:

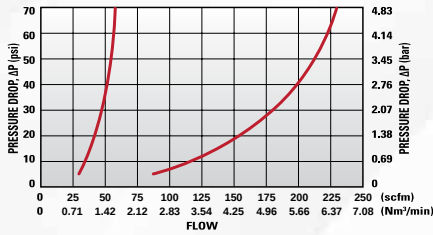
- Operating Pressure: Vacuum to 60 psi; (4.2bar)
- Temperature: 32°F to 160°F (0°C to 71°C)
- Flow Capacity: 3/8" Size

Materials & Construction:

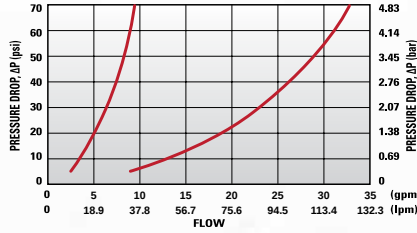
- Bodies & Terminations: Medical Grade Polypropylene
- Internal Valves: Medical Grade Polypropylene
- Internal Valve Springs: 316 Stainless Steel
- External Springs & Pins: Stainless Steel
- O-rings: Peroxide-cured EPDM (others available)
- Thumb-latch: Medical Grade Polypropylene



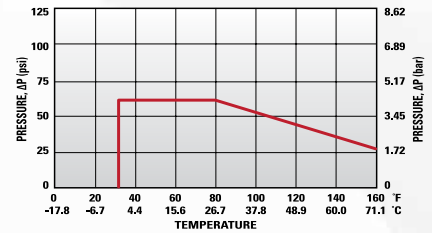
60PP Series Air Flow



60PP Series Water Flow



60PP Series Temperature



FLOW RATES

The data below shows liquid flow rates for LinkTech couplings. Each coupling combination was tested at 70°F (21°C).

C_v Values for 60PP Series Couplings

SOCKETS	60PP- PE2-06	60PPV- PE2-06	60PP- PE2-08	60PPV- PE2-06	60PP- PE4-06	60PPV- PE4-06	60PP- PE4-08	60PPV- PE4-08	60PP- PE1-06	60PPV- PE1-06	60PP- PE1-08	60PPV- PE1-08	60PP- PE2-12	60PPV- PE2-12
60PPV-SE1-06	1.27	1.27	1.62	1.51	1.14	1.14	1.46	1.36	1.80	1.58	1.70	1.65	-	-
60PPV-SE1-08	1.28	1.34	1.62	1.51	1.15	1.24	1.46	1.36	1.81	1.54	1.72	1.56	-	-
60PPV-SE3-06	1.07	1.00	1.17	1.14	0.96	0.90	1.05	1.03	1.33	1.26	1.30	1.24	-	-
60PPV-SE3-08	1.25	1.23	1.61	1.52	1.13	1.11	1.45	1.37	1.79	1.60	1.68	1.56	-	-
60PPV-SE2-06	1.07	1.00	1.17	1.14	0.96	0.90	1.05	1.03	1.33	1.26	1.30	1.24	-	-
60PPV-SE2-08	1.25	1.23	1.61	1.52	1.13	1.11	1.45	1.37	1.79	1.60	1.68	1.56	-	-
60PP-S2-12	-	-	-	-	-	-	-	-	-	-	-	-	3.94	-
60PPV-SE2-12	-	-	-	-	-	-	-	-	-	-	-	-	-	2.04

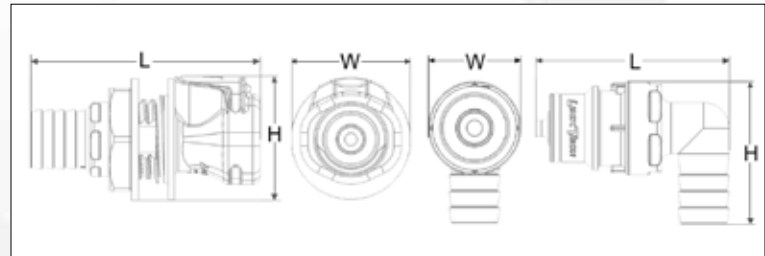
Specific coupling combination flow rates can be determined by using this formula:

$$Q = C_v \sqrt{\frac{\Delta P}{S}}$$

Q = Flow rate in gallons per minute
C_v = Average flow rates (see chart)
ΔP = Pressure drop across coupling (psi)
S = Specific gravity of liquid.

	PANEL OPENING	MAX PANEL THICKNESS	MIN PANEL THICKNESS
SOCKETS	See Drawing	0.3"	0.03"
PLUGS	1.21"	0.3"	0.03"

PANEL NUT HEX SIZE
1.375"



Reference Dimensions: L = Length, W = Width, H = Height

60PP Series Sockets

Tubing Size 3/8" - 3/4"
3/8" Flow Polypropylene



MALE THREAD SOCKET

Non-Valved	Valved	Thread Size	Length	Width	Height
60PP-S1-06	60PPV-SE1-06	3/8" NPT	2.78"	1.36"	1.44"
60PP-S1-08	60PPV-SE1-08	1/2" NPT	2.93"	1.36"	1.44"
60PP-S1-12	60PPV-SE1-12	3/4" NPT	3.13"	1.36"	1.44"



IN-LINE HOSE BARB SOCKET

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
60PP-S2-06	60PPV-SE2-06	3/8" ID	9.5mm ID	2.78"	1.36"	1.44"
60PP-S2-08	60PPV-SE2-08	1/2" ID	12.7mm ID	2.88"	1.36"	1.44"
60PP-S2-12	60PPV-SE2-12	3/4" ID	19.0mm ID	2.93"	1.36"	1.44"



PANEL MOUNT HOSE BARB SOCKET (GASKET SEAL INCLUDED)

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
60PP-S3-06	60PPV-SE3-06	3/8" ID	9.5mm ID	2.86"	1.62"	1.65"
60PP-S3-08	60PPV-SE3-08	1/2" ID	12.7mm ID	3.03"	1.62"	1.65"
60PP-S3-12	60PPV-SE3-12	3/4" ID	19.0mm ID	3.08"	1.62"	1.65"



PANEL MOUNT HOSE BARB ELBOW SOCKET (GASKET SEAL INCLUDED)

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
60PP-S22-06	60PPV-SE22-06	3/8" ID	9.5mm ID	2.96"	1.62"	1.73"
60PP-S22-08	60PPV-SE22-08	1/2" ID	12.7mm ID	2.96"	1.62"	1.83"



PANEL MOUNT SEALING GASKET

Part No.	Material	Diameter	Thickness
C11416	EPDM	1.62" OD	0.06"



MALE THREAD PLUG

Non-Valved	Valved	Thread Size	L(nv/v)	Width	Height
60PP-PE1-06	60PPV-PE1-06	3/8" NPT	1.87"/2.01"	1.14"	1.00"
60PP-PE1-08	60PPV-PE1-08	1/2" NPT	2.02"/2.16"	1.14"	1.00"
60PP-PE1-12	60PPV-PE1-12	3/4" NPT	2.22"/2.36"	1.21"	1.05"



IN-LINE HOSE BARB PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
60PP-PE2-06	60PPV-PE2-06	3/8" ID	9.5mm ID	1.87"/2.01"	1.00"	1.00"
60PP-PE2-08	60PPV-PE2-08	1/2" ID	12.7mm ID	1.97"/2.11"	1.00"	1.00"
60PP-PE2-12	60PPV-PE2-12	3/4" ID	19.0mm ID	2.02"/2.16"	1.00"	1.00"



PANEL MOUNT HOSE BARB PLUG (GASKET SEAL INCLUDED)

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
60PP-PE3-06	60PPV-PE3-06	3/8" ID	9.5mm ID	2.74"/2.88"	1.62"	1.62"
60PP-PE3-08	60PPV-PE3-08	1/2" ID	12.7mm ID	2.84"/2.98"	1.62"	1.62"
60PP-PE3-12	60PPV-PE3-12	3/4" ID	19.0mm ID	2.89"/3.03"	1.62"	1.62"



PANEL MOUNT HOSE BARB ELBOW PLUG (GASKET SEAL INCLUDED)

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
60PP-PE22-06	60PPV-PE22-06	3/8" ID	9.5mm ID	2.86"/3.00"	1.62"	1.73"
60PP-PE22-08	60PPV-PE22-08	1/2" ID	12.7mm ID	2.86"/3.00"	1.62"	1.83"



ELBOW HOSE BARB PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
60PP-PE4-06	60PPV-PE4-06	3/8" ID	9.5mm ID	1.94"/2.08"	1.00"	1.40"
60PP-PE4-08	60PPV-PE4-08	1/2" ID	12.7mm ID	1.94"/2.08"	1.00"	1.50"

60PS Series Couplings

Tubing Size 3/8" - 3/4"
3/8" Flow Polysulfone

Produced in high performance thermoplastic Udel® Polysulfone, these 3/8" flow size couplings are more durable and stable at higher temperatures. The 60PS Series couplings offer a new and improved Panel Mount design that has a more reliable, thumb-latch which makes it more durable, easier and faster to use. All 60PS couplings interconnect with all other 60 Series couplings as well as other similar industry thumb-latch type high flow couplings.

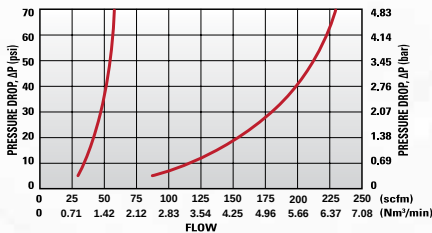
Performance Ratings:

- Operating Pressure: Vacuum to 125 psi; (8.6bar)
- Temperature: -40°F to 280°F (-40°C to 138°C)
- Flow Capacity: 3/8" Size

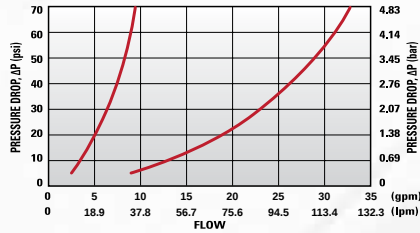
Materials & Construction:

- Bodies & Terminations: Udel® Polysulfone
- Internal Valves: Udel® Polysulfone
- Internal Valve Springs: 316 Stainless Steel
- External Springs & Pins: Stainless Steel
- O-rings: Peroxide-cured EPDM (others available)
- Thumb-latch: Udel® Polysulfone

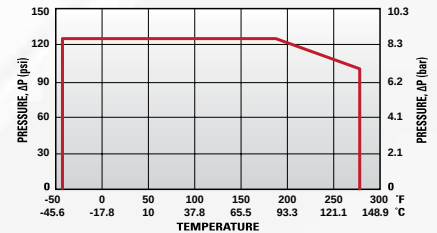
60PS Series Air Flow



60PS Series Water Flow



60PS Series Temperature



FLOW RATES

The data below shows liquid flow rates for LinkTech couplings. Each coupling combination was tested at 70°F (21°C).

C_v Values for 60PS Series Couplings

SOCKETS	60PS-PE2-06	60PSV-PE2-06	60PS-PE2-08	60PSV-PE2-06	60PS-PE4-06	60PSV-PE4-06	60PS-PE4-08	60PSV-PE4-08	60PS-PE1-06	60PSV-PE1-06	60PS-PE1-08	60PSV-PE1-08	60PS-PE2-12	60PSV-PE2-12
60PSV-SE1-06	1.27	1.27	1.62	1.51	1.14	1.14	1.46	1.36	1.80	1.58	1.70	1.65	-	-
60PSV-SE1-08	1.28	1.34	1.62	1.51	1.15	1.24	1.46	1.36	1.81	1.54	1.72	1.56	-	-
60PSV-SE3-06	1.07	1.00	1.17	1.14	0.96	0.90	1.05	1.03	1.33	1.26	1.30	1.24	-	-
60PSV-SE3-08	1.25	1.23	1.61	1.52	1.13	1.11	1.45	1.37	1.79	1.60	1.68	1.56	-	-
60PSV-SE2-06	1.07	1.00	1.17	1.14	0.96	0.90	1.05	1.03	1.33	1.26	1.30	1.24	-	-
60PSV-SE2-08	1.25	1.23	1.61	1.52	1.13	1.11	1.45	1.37	1.79	1.60	1.68	1.56	-	-
60PS-S2-12	-	-	-	-	-	-	-	-	-	-	-	-	3.94	-
60PSV-SE2-12	-	-	-	-	-	-	-	-	-	-	-	-	-	2.04

Specific coupling combination flow rates can be determined by using this formula:

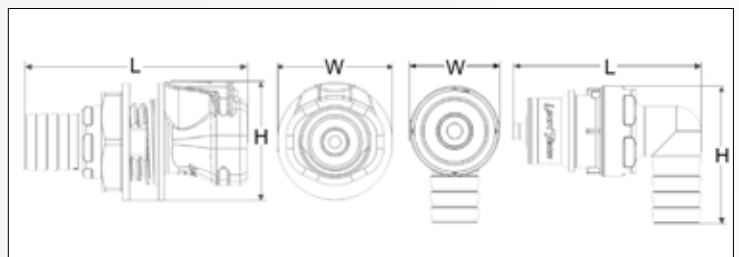
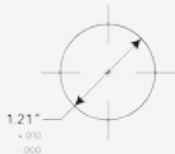
$$Q = C_v \sqrt{\frac{\Delta P}{S}}$$

Q = Flow rate in gallons per minute
C_v = Average flow rates (see chart)
ΔP = Pressure drop across coupling (psi)
S = Specific gravity of liquid.

	PANEL OPENING	MAX PANEL THICKNESS	MIN PANEL THICKNESS
SOCKETS	See Drawing	0.3"	0.03"
PLUGS	1.21"	0.3"	0.03"

PANEL NUT HEX SIZE

1.375"



Reference Dimensions: L = Length, W = Width, H = Height

Tubing Size 1/4" - 3/8"
3/8" Flow Polysulfone

60PS Series Sockets



MALE THREAD SOCKET

Non-Valved	Valved	Thread Size	Length	Width	Height
60PS-S1-06	60PSV-SE1-06	3/8" NPT	2.78"	1.36"	1.44"
60PS-S1-08	60PSV-SE1-08	1/2" NPT	2.93"	1.36"	1.44"



IN-LINE HOSE BARB SOCKET

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
60PS-S2-06	60PSV-SE2-06	3/8" ID	9.5mm ID	2.82"	1.36"	1.44"
60PS-S2-08	60PSV-SE2-08	1/2" ID	12.7mm ID	2.92"	1.36"	1.44"
60PS-S2-12	60PSV-SE2-12	3/4" ID	19.0mm ID	2.97"	1.36"	1.44"



PANEL MOUNT HOSE BARB SOCKET (GASKET SEAL INCLUDED)

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
60PS-S3-06	60PSV-SE3-06	3/8" ID	9.5mm ID	2.90"	1.62"	1.65"
60PS-S3-08	60PSV-SE3-08	1/2" ID	12.7mm ID	3.07"	1.62"	1.65"
60PS-S3-12	60PSV-SE3-12	3/4" ID	19.0mm ID	3.12"	1.62"	1.65"



PANEL MOUNT HOSE BARB ELBOW SOCKET (GASKET SEAL INCLUDED)

Non-Valved	Valved	Tube Size	Metric Tube	Length	Width	Height
60PS-S22-06	60PSV-SE22-06	3/8" ID	9.5mm ID	2.96"	1.62"	1.73"
60PS-S22-08	60PSV-SE22-08	1/2" ID	12.7mm ID	2.96"	1.62"	1.83"



PANEL MOUNT SEALING GASKET

Part No.	Material	Diameter	Thickness
C11416	EPDM	1.62" OD	0.06"

60PS Series Plugs

Tubing Size 1/4" - 3/8"
3/8" Flow Polysulfone



MALE THREAD PLUG

Non-Valved	Valved	Thread Size	L(nv/v)	Width	Height
60PS-PE1-06	60PSV-PE1-06	3/8" NPT	2.82"/2.92"	1.14"	1.00"
60PS-PE1-08	60PSV-PE1-08	1/2" NPT	2.82"/2.92"	1.14"	1.00"



IN-LINE HOSE BARB PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
60PS-PE2-06	60PSV-PE2-06	3/8" ID	9.5mm ID	1.91"/2.05"	1.00"	1.00"
60PS-PE2-08	60PSV-PE2-08	1/2" ID	12.7mm ID	2.01"/2.15"	1.00"	1.00"
60PS-PE2-12	60PSV-PE2-12	3/4" ID	19.0mm ID	2.01"/2.20"	1.00"	1.00"



PANEL MOUNT HOSE BARB PLUG (GASKET SEAL INCLUDED)

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
60PS-PE3-06	60PSV-PE3-06	3/8" ID	9.5mm ID	2.78"/2.92"	1.62"	1.62"
60PS-PE3-08	60PSV-PE3-08	1/2" ID	12.7mm ID	2.88"/3.02"	1.62"	1.62"
60PS-PE3-12	60PSV-PE3-12	3/4" ID	19.0mm ID	2.93"/3.07"	1.62"	1.62"



PANEL MOUNT HOSE BARB ELBOW PLUG (GASKET SEAL INCLUDED)

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
60PS-PE22-06	60PSV-PE22-06	3/8" ID	9.5mm ID	2.86"/3.00"	1.62"	1.73"
60PS-PE22-08	60PSV-PE22-08	1/2" ID	12.7mm ID	2.86"/3.00"	1.62"	1.83"



ELBOW HOSE BARB PLUG

Non-Valved	Valved	Tube Size	Metric Tube	L(nv/v)	Width	Height
60PS-PE4-06	60PSV-PE4-06	3/8" ID	9.5mm ID	1.98"/2.12"	1.00"	1.43"
60PS-PE4-08	60PSV-PE4-08	1/2" ID	12.7mm ID	1.98"/2.12"	1.00"	1.53"

65GP Series couplings offer 1/2" flow capacity and are manufactured from a high performance glass filled polypropylene. 65GP couplings have a full flow, non-valved, smooth internal bore that allows for maximum flow with minimal turbulence. 65GP couplings are extremely durable and are well suited for applications that require chemical resistance. 65GP Series couplings interconnect with and are compatible with many other plastic latch type couplings.



Features:

- Audible "click" when connected
- Connects with other plastic latch type couplings
- Extremely durable
- Integral end terminations
- Small and compact
- One hand operation
- Resistant to acids and chemicals
- Latch guard eliminates accidental disconnects
- Stainless steel latch spring
- Large push button

Performance Ratings:

- Operating Pressure: Vacuum to 120psi; (8.3bar)
- Temperature: -40°F to 180°F; (-40C to 82C)
- Flow Capacity: 1/2" Size

Materials & Construction:

- Bodies & Terminations: Glass Filled Polypropylene
- Thumb-latch: Acetal copolymer
- Springs: Stainless Steel
- O-rings: EPDM (others available)



IN-LINE HOSE BARB SOCKET

Non-Valved	Tube Size	Length	Width	Height
65GP-S2-12	3/4" H.B.	2.93"	1.37"	1.45"



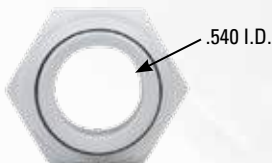
MALE THREAD PLUG

Non-Valved	Thread Size	Length	Width	Height
65GP-PF1-08	1/2" NPT	1.95"	1.00"	1.00"



IN-LINE HOSE BARB PLUG

Non-Valved	Tube Size	Length	Width	Height
65GP-PF2-08	1/2" H.B.	1.95"	1.00"	1.00"



Accessories



EXTERNAL PLUG O-RINGS

Coupling Series	Buna-N Part No.	EPDM Part No.	Viton Part No.
20 SERIES	C115	1-00823711	1-0089746
40 SERIES	C116	1-01123711	1-0119746
50 SERIES	C116	1-01123711	1-0119746



PANEL MOUNT SEALING GASKET

Coupling Series	Buna-N Part No.	EPDM Part No.
20 SERIES	C11040	C11105
40 SERIES	C11027	C11073
50 SERIES	C11027	C11073
50PP SERIES	N/A	C11376
60 SERIES	N/A	C11416



PLASTIC PANEL MOUNT NUTS

Coupling Series	Material	Part No.
40/50 SERIES	Acetal	C11252
60PP SERIES	Polypropylene	C11372
60PS SERIES	Polysulfone	C11398



PANEL MOUNT NUTS

Coupling Series	Plated Brass Part No.	316 Stainless Steel Part No.
20 SERIES	C377	C11085
40 SERIES	C131	C11044
50 SERIES	C131	C11044



PLATED BRASS PTF NUTS (FERRULELESS POLYTUBE FITTING)

Tube Size	Metric Tube Size	Part No.
5/32" OD	4.0mm OD	C11031
1/4" OD	6.4mm OD	C176
3/8" OD	9.5mm OD	C187



PUSH-IN COLLET CLIP

Coupling Series	Description	Part No.
40AC & 50AC SERIES	Red Collet Clip	PIL250R



PUSH-IN COLLET COVERS

Coupling Series	Description	Part No.
40AC & 50AC SERIES	Red Collet Cover	PIC250R
40AC & 50AC SERIES	Black Collet Cover	PIC250BL
40AC & 50AC SERIES	Yellow Collet Cover	PIC250Y
40AC & 50AC SERIES	Blue Collet Cover	PIC250B
40AC & 50AC SERIES	Grey Collet Cover	PIC250GRY
40AC & 50AC SERIES	Green Collet Cover	PIC250GN

LinkTech is committed to our customers and helps them by offering custom designed and manufactured couplings. LinkTech has developed hundreds of custom connection solutions for challenging applications. Our engineering staff is ready to work with your designers to solve application problems beyond the scope of our standard product offering. Whether it is a simple o-ring, color change, or a completely new and unique design, LinkTech offers its customers the best possible solution at the lowest possible cost.

LinkTech Custom Designs Include:

- Non-standard coupling materials
- Multi-port couplings
- Custom end terminations
- Application specific O-rings
- Molded color couplings
- Unique packaging



***Molded & Dyed color
couplings available
upon request***



PART NUMBER GUIDE

Flow Size / Latch Type	Material	Valve	Config.	O-ring (std Buna-N)	Type	Connection Size	Part Options
10 = 1/16" Flow (Twist Lock)	AC = Acetal AL = Aluminum	V = Valved (default is non-valved)	S = Socket	B = Buna-N (NSF/Food Grade)	1 = In Line MNPT 2 = In Line Hose Barb	01 = 1/16" 02 = 1/8"	NL = No Latch NN = No Nuts
20 = 1/8" Flow (Metal Latch)	CB = Chrome Plated Brass NB = Nickel Plated Brass	X = No Valve (in Valved Body)	P = Plug	V = Viton	3 = Panel Mount H.B. 4 = Elbow H.B.	03 = 3/16" 04 = 1/4"	NLN = No Latch/Nuts
40 = 1/4" Flow (Metal Latch)	RB = Raw Brass GP = Glass Filled Polypro.			E = Peroxide Cured EPDM	5 = Single Barb H.B. 6 = End Stop	05 = 5/16" 06 = 3/8"	XL = No O-ring Lube
42 = 3/32" Flow (Dual Tube Metal Latch)	PP = Polypropylene AB = ABS			F = Food Grade EPDM	7 = Elbow, Single H.B. 8 = Panel Mount PTF	08 = 1/2" 10 = 5/8"	XX = No End Termination
50 = 1/4" Flow (Plastic Latch)	PS = Polysulfone RD = Radel			S = Silicone K = Kalrez	9 = In Line PTF 10 = Elbow PTF	12 = 3/4" 16 = 1"	
50B = 1/4" Flow (Breakaway Latch)					12 = Panel Mount Male Thread 13 = In Line Female Thread		
60 = 3/8" Flow (Plastic Latch)					16 = Elbow MNPT 17 = Push In Term In-line		
65 = 1/2" Free Flow (Plastic Latch)					18 = Push In Term Panel Mt. 19 = Panel Mount Female Thread		
					20 = Anti Rotate PM Plug H.B. 21 = Anti Rotate PM Plug PTF		
					22 = Panel Mount H.B. Elbow		

STERILIZATION & DISINFECTANT COMPATIBILITY

Material	Formalin	Isopropyl Alcohol	Ethyl Alcohol	Ethylene Oxide	Autoclave	E-Beam (50 Kilograys)	Gamma 5 (50 Kilograys)	Dry Heat (250°F)
Acetal	Y	Y	Y	Y	Y	N	N	N
ABS	N	N/A	Y	Y	N	Y	Y	N
Polypropylene	Y	Y	Y	Y	N	Y	Y	N
Polysulfone	Y	Y	Y	Y	Y	Y	Y	Y
Glass Filled Polypro.	Y	Y	Y	Y	N	N	N	N
Chrome/Brass	N	Y	Y	Y	Y	Y	Y	Y
Buna-N/Nitrile	Y	Y	Y	N	N	Y	Y	Y
EPR/EPDM	Y	Y	Y	Y	Y	Y	Y	Y
Viton/FKM	Y	Y	Y	N	N	N	N	Y
Silicon	Y	Y	Y	Y	Y	Y	Y	Y
Kalrez	Y	Y	Y	Y	Y	N	N	Y

Key: Y = Excellent, recommended, N = Not recommended, N/A = Not applicable

Sterilization Methods:

Disinfectants: Sterilized coupled or uncoupled at 70°F (20°C)

Ethylene Oxide, EtO: Sterilized coupled or uncoupled, up to 5 repetitions, four hours max, 100% EtO at 110°F (43°C)

Autoclave: Sterilize uncoupled only, 30 min. max, 10 repetitions max, 250°F (121°C) max.

Electron Beam (E-Beam): Sterilize coupled or uncoupled, 50 kilograys max cumulative exposure.

GAMMA: Sterilize coupled or uncoupled, 50 kilograys max cumulative exposure.

Dry Heat: Sterilize uncoupled only, 250°F (121°C) 12 hours max.

Regulatory Approvals

The F.D.A. publishes, through the Code of Federal Regulations, standardized criteria which govern the acceptability of materials used in food contact. The U.S. Department of Agriculture publishes similar standards that mirror F.D.A. criteria. Neither agency approves or disapproves products.

With the exception of the 50GP and 65GP Series products, most LinkTech couplings comply with applicable F.D.A. and U.S.D.A.

NSF Compliance

NSF International develops and publishes consensual criteria that govern the acceptability of materials and equipment used in food and beverage processing.

With the exception of the 50GP and 65GP Series products, most LinkTech couplings are produced from materials that comply with most NSF standards for potable water and food contact applications.

Questions?

If you have any questions at all concerning our products, compliance and specs, please feel free to call us at 805-339-0055 or visit our website.

Solid model files available for easy download.



CHEMICAL COMPATIBILITY											
Chemical	Polymers				Metals		Elastomers				
	Acetal	ABS	Polypropylene	Polysulfone	Chrome Plated Brass	Aluminum	Buna-N (Nitril)	EPR/EPDM	Fluorocarbon (Viton)	Silicon	KALREZ
Acetic Acid	D	C	B	A	D	B	D	A	D	B	A
Acetone	A	D	A	A	A	A	D	A	D	C	A
Air	A	A	A	A	A	A	A	A	A	A	A
Ammonia Anhydrous	D	B	A	C	A	A	B	A	D	C	A
Benzene	A	D	D	D	N/A	B	D	D	A	D	A
Carbon Dioxide	A	B	A	N/A	A	B	A	B	B	B	A
Chlorine Water	D	A	D	D	D	D	D	C	A	D	N/A
Ethanol (Ethyl Alcohol)	A	A	A	A	A	B	A	A	A	A	A
Ethylene Glycol	B	A	A	A	A	A	A	A	A	A	A
Gasoline, Unleaded	A	D	C	A	A	A	B	D	A	D	A
Hydrochloric Acid	C	C	B	A	D	D	D	C	A	D	A
Hydrofluoric Acid	D	C	C	A	D	D	D	D	B	D	A
Isopropyl Alcohol	A	A	A	A	B	B	B	B	B	A	A
Methyl Ethyl Ketone (MEK)	C	D	B	D	A	B	D	A	D	D	A
Methanol	A	D	A	A	A	A	A	A	D	A	A
Oxygen	A	B	A	A	A	A	B	A	A	A	A
Ozone	C	B	B	A	N/A	B	D	A	A	A	A
Sodium Hypochlorite	D	N/A	B	A	D	D	C	B	A	B	A
Steam	C	N/A	N/A	N/A	A	B				C	A
Sulfuric Acid, Air Free	N/A	B	C	B	C	D	D	D	A	D	A
Toluene	C	D	C	C	A	A	D	D	C	D	A
Trichloroethylene	D	D	C	C	B	D	D	D	A	D	B
Water, Fresh	A	A	A	A	C	B	A	A	B	A	A

Key: A = Excellent - no effect, B = Good - little or no effect, C = Fair - some effect, D = Not recommended, N/A = Not available.

Chemical Compatibility

Chemicals can affect the strength, appearance, color, dimensions, and weight of plastics. Because many factors affect the chemical resistance of a given material it is the customer's responsibility to test LinkTech's couplings in their own application conditions. Please Contact LinkTech for further assistance with your application needs.

COUPLING PERFORMANCE RATINGS				
Series	Coupling Material	O-ring Material	Pressure Rating	Temp. Rating
10AC 1/16" Flow	Acetal	Buna-N	Vacuum to 100psi	-40°F to 180°F
10PP 1/16" Flow	Polypropylene	EPDM	Vacuum to 100psi	32°F to 180°F
20AC 1/8" Flow	Acetal	Buna-N	Vacuum to 120psi	-40°F to 180°F
20PP 1/8" Flow	Polypropylene	EPDM	Vacuum to 120psi	32°F to 160°F
20CB 1/8" Flow	Chrome/Brass	Buna-N	Vacuum to 250psi	-40°F to 180°F
40AC 1/4" Flow	Acetal	Buna-N	Vacuum to 120psi	-40°F to 180°F
40PP 1/4" Flow	Polypropylene	EPDM	Vacuum to 120psi	32°F to 160°F
40CB 1/4" Flow	Chrome/Brass	Buna-N	Vacuum to 250psi	-40°F to 180°F
42AB 3/32" Flow	ABS	Buna-N	Vacuum to 120psi	-40°F to 180°F
50AC 1/4" Flow	Acetal	Buna-N	Vacuum to 120psi	-40°F to 180°F
50PP 1/4" Flow	Polypropylene	EPDM	Vacuum to 100psi	32°F to 160°F
50BAC 1/4" Flow	Acetal	Buna-N	0psi to 20psi	-40°F to 180°F
50GP 1/4" Flow	Glass Filled Polypropylene	EPDM	Vacuum to 120psi	32°F to 180°F
60PP 3/8" Flow	Polypropylene	EPDM	Vacuum to 60psi	32°F to 160°F
60PS 3/8" Flow	Polysulfone	EPDM	Vacuum to 125psi	-40°F to 280°F
65GP 1/2" Flow	Glass Filled Polypropylene	EPDM	Vacuum to 120psi	32°F to 180°F

For our latest products visit www.LinkTechCouplings.com



Applications for LinkTech Products:



Surgical Devices



Food & Beverage



Patient Monitors



Electronic Cooling



*Medical Beds /
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Fuel Cells



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*Interchangeable with all other
thumb-latch couplings in the market place.*

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