

## Quick-Disconnect Fittings

High-Flow, Low-Flow, Micro-Flow, Hose Barb Insert/Adapter,  
Twist-to-Connect, Back-to-Back, Sanitary Body, Plug and Cap



### Before Choosing a Fitting, Consider the Following

Barbed fittings are designed for quick and easy assembly without tools. Combine these simple, economical fittings with our flexible tubing for use in your low-pressure applications (generally less than 30 psi).

Barbed connectors are most effective when paired with flexible tubing like silicone, whereas compression fittings are suited for use with rigid tubing such as PTFE or polypropylene.

When temperature and pressure are essential, ensure that the fittings you select are suitable for your operating conditions. It's important to note that most fittings cannot operate at their maximum temperature and maximum pressure ratings simultaneously.

Use these high-quality PVC-free fittings in biomedical, pharmaceutical, electronic, and other critical-use applications.



### CERTIFICATION

Cole-Parmer will provide a certificate of compliance FREE at your request where applicable.

### APPLICATIONS

- Bioprocess, life science, and pharmaceutical industries
- General-purpose, laboratory, and single-use applications to connect tubing with the rest of your system

### FEATURES/BENEFITS

- Free technical application support available to determine which connector type is needed for your application
- Simple “flip, click, and pull” design minimizes operator error
- Create quick and easy sterile connections, even in nonsterile environment!
- Robust construction provides reliable and repeatable fluid transfer
- 0.5” nominal flow path size

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	+1.847.549.7600
Canada	+1.800.363.5900
China	86.21.5109.9909
France	+33 (0) 1486 37800

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## Materials

### Polycarbonate

- Good chemical resistance
- Operating temperature range: -20 to 147 °C (-29 to 297 °F)
- Sterilized using steam at 120 °C, gamma radiation, or by the ethylene oxide (EtO)

Polycarbonate is resistant to mineral acids, many organic acids, oxidizing and reducing agents, neutral and acid salt solutions, many greases, waxes and oils, and saturated, aliphatic, and cycloaliphatic hydrocarbons and alcohols, except methyl alcohol. For example, Lexan polycarbonate sheet has good chemical resistance to various dilute organic and inorganic acids at room temperature.

### High-Temperature Polycarbonate

- Good chemical resistance
- Operating temperature range: -20 °C to 232 °C (450 °F)
- Sterilize using steam at 120 °C (248 °F), gamma radiation, or by ethylene oxide (EtO)

### Polyphenylsulfone (PPSU)

- Excellent chemical resistance
- Operating temperature range: up to 1340 °C (2444 °F)
- Sterilize by steam, autoclave, or gamma irradiation

Radel® PPSU displays excellent resistance to many chemicals, including aqueous systems, caustics, inorganic acids, aliphatic hydrocarbons, detergents and soaps, and certain alcohols

### Polysulfone

- Excellent chemical resistance
- Operating temperature range: -100 °C to 150 °C (-148 to 302 °F)

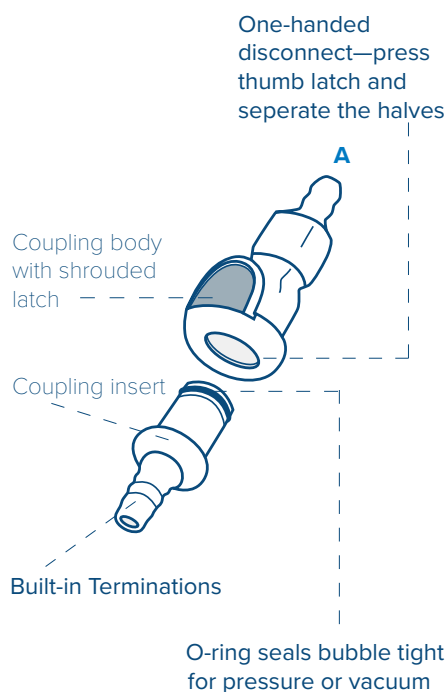
Polysulfone is highly resistant to mineral acids, alkali, and electrolytes in pH ranging from 2 to 13. It is resistant to oxidizing agents and can be cleaned with bleach. Polysulfones are transparent, amorphous polymers with high strength and high heat resistance. Their glass transition temperatures range from 180 to 250 °C. They are hydrolytically stable and (along with their heat resistance) are very stable to repeated steam sterilization cycles.

## Fittings

For additional options and complete offering, visit [coleparmer.com](http://coleparmer.com).

**Automatic Latching:** to connect coupling, slide insert into body, feel the latch engage and hear the “click”—it’s secure!

**Coupling Materials:** ABS, acetal, chrome-plated brass, polycarbonate, polypropylene, polysulfone, PVDF and stainless steel



**Cole-Parmer®**  
an antylia scientific company

## Specification and Ordering Table

Tubing ID	Material	Type	Item number	Pack Size
1/8"	High-Temperature Polycarbonate	Low-Flow Genderless Hose Barb	50111-91	1/ea
1/4"	High-Temperature Polycarbonate	Low-Flow Genderless Hose Barb	50111-93	1/ea
3/4"	High-Temperature Polycarbonate	Low-Flow Genderless Sanitary Adapter	50112-01	1/ea
1/16"	Polycarbonate	Micro-Flow Genderless Hose Barb	50112-14	1/ea
1/8"	Polycarbonate	Micro-Flow Genderless Hose Barb	50112-15	1/ea
3/32"	Polycarbonate	Micro-Flow Genderless Hose Barb	50112-16	1/ea
1/4"	Polycarbonate	Genderless Hose Barb	50111-54	1/ea
1/4"	High-Temperature Polycarbonate	Genderless Hose Barb	50111-55	1/ea
3/8"	Polycarbonate	Genderless Hose Barb	50111-56	1/ea
3/8"	High-Temperature Polycarbonate	Genderless Hose Barb	50111-57	1/ea
1/2"	Polycarbonate	Genderless Hose Barb	50111-58	1/ea
1/2"	High-Temperature Polycarbonate	Genderless Hose Barb	50111-59	1/ea
3/4"	Polycarbonate	Genderless Hose Barb	50111-60	1/ea
3/4"	High-Temperature Polycarbonate	Genderless Hose Barb	50111-61	1/ea
1/8"	Polycarbonate	Low-Flow Genderless Hose Barb	50111-90	1/ea
1/4"	Polycarbonate	Low-Flow Genderless Hose Barb	50111-92	1/ea
3/8"	Polycarbonate	Low-Flow Genderless Hose Barb	50111-94	1/ea
3/8"	High-Temperature Polycarbonate	Low-Flow Genderless Hose Barb	50111-95	1/ea
1/4"	Polyphenylsulfone	Genderless Hose Barb	50111-62	1/ea
3/8"	Polyphenylsulfone	Genderless Hose Barb	50111-63	1/ea
1/2"	Polyphenylsulfone	Genderless Hose Barb	50111-64	1/ea
3/4"	Polyphenylsulfone	Genderless Hose Barb	50111-65	1/ea
3/4"	Polycarbonate	High-Flow Genderless Hose Barb	50111-81	1/ea
3/4"	High-Temperature Polycarbonate	High-Flow Genderless Hose Barb	50111-82	1/ea
1"	Polycarbonate	High-Flow Genderless Hose Barb	50111-83	1/ea
1"	High-Temperature Polycarbonate	High-Flow Genderless Hose Barb	50111-84	1/ea
1-1/2"	Polycarbonate	High-Flow Genderless Sanitary Adapter	50111-87	1/ea
1-1/2"	High-Temperature Polycarbonate	High-Flow Genderless Sanitary Adapter	50111-88	1/ea
1/4"	Polycarbonate	Hose Barb Body	50112-41	1/ea
3/8"	Polycarbonate	Hose Barb Body	50112-45	1/ea
1/2"	Polycarbonate	Hose Barb Body	50113-07	1/ea
1/4"	Polycarbonate with Silicone O-Ring	Hose Barb Insert	50112-61	1/ea
3/8"	Polycarbonate with Silicone O-Ring	Hose Barb Insert	50112-67	1/ea
1/2"	Polycarbonate	Hose Barb Insert	50113-17	1/ea

## Specification and Ordering Table

Tubing ID	Material	Type	Item number	Pack Size
1/4"	Polycarbonate	Hose Barb Body with Lock	50112-89	1/ea
3/8"	Polycarbonate	Hose Barb Body with Lock	50112-93	1/ea
	Polycarbonate	Cap with Lock	50112-97	1/ea
	Polycarbonate	Cap	50112-77	1/ea
	Polycarbonate	Plug	50112-73	1/ea
	Polycarbonate	Cap	50113-26	1/ea
	Polycarbonate	Plug	50113-22	1/ea
1/4"	Polysulfone	Hose Barb Body	50112-43	1/ea
3/8"	Polysulfone	Hose Barb Body	50112-47	1/ea
1/2"	Polysulfone	Hose Barb Body	50113-09	1/ea
1/4"	Polysulfone	Hose Barb Insert	50112-63	1/ea
3/8"	Polysulfone	Hose Barb Insert	50112-69	1/ea
1/2"	Polysulfone	Hose Barb Insert	50113-19	1/ea
3/8"	Polysulfone	Hose Barb Body with Lock	50112-95	1/ea
1/2"	Polysulfone	Hose Barb Body with Lock	50113-35	1/ea
	Polysulfone	Cap with Lock	50112-99	1/ea
	Polysulfone	Cap	50112-79	1/ea
	Polysulfone	Plug	50112-75	1/ea
3/4"	Polysulfone	Sanitary Body	50112-81	1/ea
3/4"	Polysulfone	Sanitary Body	50113-30	1/ea
1"	Polysulfone	Sanitary Body	50112-82	1/ea
3/4"	Polysulfone	Twist-to-Connect Hose Barb Body	50113-01	1/ea
3/4"	Polysulfone	Twist-to-Connect Hose Barb Insert	50113-03	1/ea
Cap	Polysulfone	Twist-to-Connect	50113-06	1/ea
Plug	Polysulfone	Twist-to-Connect	50113-05	1/ea
	Polysulfone	MPC™ Back-to-Back Body Adapter	50112-50	1/ea
1/2"	Polycarbonate	Hose Barb Body with Lock	50113-33	1/ea
1/4"	Polysulfone	Hose Barb Body with Lock	50112-91	1/ea
1/4"	Polysulfone with Stainless Steel Valve	Hose Barb Body	50112-22	1/ea
3/8"	Polysulfone with Stainless Steel Valve	Hose Barb Body	50112-24	1/ea
1/2"	Polysulfone with Stainless Steel Valve	Hose Barb Body	50112-26	1/ea
1/4"	Polysulfone	Hose Barb Insert	50112-17	1/ea
3/8"	Polysulfone	Hose Barb Insert	50112-18	1/ea
1/2"	Polysulfone	Hose Barb Insert	50112-19	1/ea

## Specification and Ordering Table

Tubing ID	Material	Type	Item number	Pack Size
1/4"	Polysulfone with Stainless Steel Valve	Hose Barb Insert	50112-28	1/ea
3/8"	Polysulfone with Stainless Steel Valve	Hose Barb Insert	50112-30	1/ea
1/2"	Polysulfone with Stainless Steel Valve	Hose Barb Insert	50112-32	1/ea
	Polysulfone	Cap	50113-28	1/ea
	High-Temperature Polycarbonate	Low-Flow Genderless Insert	50111-97	1/ea
1/8"	Polysulfone	Hose Barb Insert	50112-58	25/pk
1/8"	Polysulfone	Hose Barb Body	50112-40	25/pk
	Polycarbonate	MPC™ Back-to-Back Body Adapter	50112-49	1/ea
	Polycarbonate	Genderless Insert	50111-66	1/ea
	High-Temperature Polycarbonate	Genderless Insert	50111-67	1/ea
3/4"	Polycarbonate	Genderless Sanitary	50111-68	1/ea
3/4"	High-Temperature Polycarbonate	Genderless Sanitary	50111-69	1/ea
1-1/2"	Polycarbonate	Genderless Sanitary	50111-70	1/ea
1-1/2"	High-Temperature Polycarbonate	Genderless Sanitary	50111-71	1/ea
3/4"	Polyphenylsulfone	Genderless Sanitary	50111-72	1/ea
1-1/2"	Polyphenylsulfone	Genderless Sanitary	50111-73	1/ea
1/4"	Polycarbonate	Genderless Hose Barb	50111-74	1/ea
3/8"	Polycarbonate	Genderless Hose Barb	50111-75	1/ea
1/2"	Polycarbonate	Genderless Hose Barb	50111-76	1/ea
3/4" x 3/4"	Polycarbonate	Genderless Sanitary Adapter with AseptiQuik G®	50111-77	1/ea
3/4" x 3/4"	High-Temperature Polycarbonate	Genderless Sanitary Adapter with AseptiQuik G®	50111-78	1/ea
3/4" x 1-1/2"	Polycarbonate	Genderless Sanitary Adapter with AseptiQuik G®	50111-79	1/ea
3/4" x 1-1/2"	High-Temperature Polycarbonate	Genderless Sanitary Adapter with AseptiQuik G®	50111-80	1/ea
3/4"	Polyphenylsulfone	High-Flow Genderless Hose Barb	50111-85	1/ea
1"	Polyphenylsulfone	High-Flow Genderless Hose Barb	50111-86	1/ea
1-1/2"	Polyphenylsulfone	High-Flow Genderless Sanitary Adapter	50111-89	1/ea
	Polycarbonate	Low-Flow Genderless Insert	50111-96	1/ea
1/4"	Polycarbonate	Low-Flow Genderless Sanitary Adapter	50111-98	1/ea
1/4"	High-Temperature Polycarbonate	Low-Flow Genderless Sanitary Adapter	50111-99	1/ea
3/4"	Polycarbonate	Low-Flow Genderless Sanitary Adapter	50112-00	1/ea
3/4" x 3/4"	Polycarbonate	Genderless Sanitary Adapter with AseptiQuik S®	50112-02	1/ea

## Specification and Ordering Table

Tubing ID	Material	Type	Item number	Pack Size
3/4" x 3/4"	High-Temperature Polycarbonate	Genderless Sanitary Adapter with AseptiQuik S®	50112-03	1/ea
3/4" x 1-1/2"	Polycarbonate	Genderless Sanitary Adapter with AseptiQuik S®	50112-04	1/ea
3/4" x 1-1/2"	High-Temperature Polycarbonate	Genderless Sanitary Adapter with AseptiQuik S®	50112-05	1/ea
1"	High-Temperature Polycarbonate	High-Flow Large-Bore Genderless Hose Barb	50112-10	1/ea
1-1/4"	High-Temperature Polycarbonate	High-Flow Large-Bore Genderless Hose Barb	50112-11	1/ea
1-1/2"	High-Temperature Polycarbonate	High-Flow Large-Bore Genderless Hose Barb	50112-12	1/ea
1-1/2"	High-Temperature Polycarbonate	High-Flow Large-Bore Genderless Sanitary	50112-13	1/ea
Plug	Polysulfone		50112-20	1/ea
Cap	Polysulfone		50112-21	1/ea
1/4"	Polysulfone with Alloy C-276 Valve	Hose Barb Body	50112-23	1/ea
3/8"	Polysulfone with Alloy C-276 Valve	Hose Barb Body	50112-25	1/ea
1/2"	Polysulfone with Alloy C-276 Valve	Hose Barb Body	50112-27	1/ea
1/4"	Polysulfone with Alloy C-276 Valve	Hose Barb Insert	50112-29	1/ea
3/8"	Polysulfone with Alloy C-276 Valve	Hose Barb Insert	50112-31	1/ea
1/2"	Polysulfone with Alloy C-276 Valve	Hose Barb Insert	50112-33	1/ea
1/4"	Polysulfone with Alloy C-276 Valve	Hose Barb Coupling Set	50112-34	1/ea
3/8"	Polysulfone with Alloy C-276 Valve	Hose Barb Coupling Set	50112-35	1/ea
1/2"	Polysulfone with Alloy C-276 Valve	Hose Barb Coupling Set	50112-36	1/ea
1/8"	Polycarbonate	Hose Barb Body	50112-37	1/ea
1/8"	Polycarbonate	Hose Barb Body	50112-38	25/pk
1/8"	Polysulfone	Hose Barb Body	50112-39	1/ea
1/4"	Polycarbonate	Hose Barb Body	50112-42	25/pk
1/4"	Polysulfone	Hose Barb Body	50112-44	25/pk
3/8"	Polycarbonate	Hose Barb Body	50112-46	25/pk
3/8"	Polysulfone	Hose Barb Body	50112-48	25/pk
	Polycarbonate	MPC™ to MPX® Back-to-Back Body Adapter	50112-51	1/ea
	Polysulfone	MPC™ to MPX® Back-to-Back Body Adapter	50112-52	1/ea
1/8"	Polycarbonate with Buna-N O-Ring	Hose Barb Insert	50112-53	1/ea
1/8"	Polycarbonate with Buna-N O-Ring	Hose Barb Insert	50112-54	25/pk
1/8"	Polycarbonate with Silicone O-Ring	Hose Barb Insert	50112-55	1/ea
1/8"	Polycarbonate with Silicone O-Ring	Hose Barb Insert	50112-56	25/pk
1/8"	Polysulfone	Hose Barb Insert	50112-57	1/ea
1/4"	Polycarbonate with Buna-N O-Ring	Hose Barb Insert	50112-59	1/ea
1/4"	Polycarbonate with Buna-N O-Ring	Hose Barb Insert	50112-60	25/pk

## Specification and Ordering Table

Tubing ID	Material	Type	Item number	Pack Size
1/4"	Polycarbonate with Silicone O-Ring	Hose Barb Insert	50112-62	25/pk
1/4"	Polysulfone	Hose Barb Insert	50112-64	25/pk
3/8"	Polycarbonate with Buna-N O-Ring	Hose Barb Insert	50112-65	1/ea
3/8"	Polycarbonate with Buna-N O-Ring	Hose Barb Insert	50112-66	25/pk
3/8"	Polycarbonate with Silicone O-Ring	Hose Barb Insert	50112-68	25/pk
3/8"	Polysulfone	Hose Barb Insert	50112-70	25/pk
	Polysulfone	MPC™ Back-to-Back Insert Adapter	50112-71	1/ea
	Polysulfone	MPC™ to MPX® Back-to-Back Insert Adapter	50112-72	1/ea
	Polycarbonate	Plug	50112-74	25/pk
	Polysulfone	Plug	50112-76	25/pk
	Polycarbonate	Cap	50112-78	25/pk
	Polysulfone	Cap	50112-80	25/pk
3/4"	Polysulfone	Sanitary Insert	50112-83	1/ea
1-1/2"	Polysulfone	Sanitary Insert	50112-84	1/ea
1/8"	Polycarbonate	Hose Barb Body with Lock	50112-85	1/ea
1/8"	Polycarbonate	Hose Barb Body with Lock	50112-86	25/pk
1/8"	Polysulfone	Hose Barb Body with Lock	50112-87	1/ea
1/8"	Polysulfone	Hose Barb Body with Lock	50112-88	25/pk
1/4"	Polycarbonate	Hose Barb Body with Lock	50112-90	25/pk
1/4"	Polysulfone	Hose Barb Body with Lock	50112-92	25/pk
3/8"	Polycarbonate	Hose Barb Body with Lock	50112-94	25/pk
3/8"	Polysulfone	Hose Barb Body with Lock	50112-96	25/pk
	Polycarbonate	Cap with Lock	50112-98	25/pk
	Polysulfone	Cap with Lock	50113-00	25/pk
1"	Polysulfone	Twist-to-Connect Hose Barb Body	50113-02	1/ea
1"	Polysulfone	Twist-to-Connect Hose Barb Insert	50113-04	1/ea
1/2"	Polycarbonate	Hose Barb Body	50113-08	25/pk
1/2"	Polysulfone	Hose Barb Body	50113-10	25/pk
	Polycarbonate	MPX® Back-to-Back Body Adapter	50113-11	1/ea
	Polysulfone	MPX® Back-to-Back Body Adapter	50113-12	1/ea
3/8	Polycarbonate	Hose Barb Insert	50113-13	1/ea
3/8"	Polycarbonate	Hose Barb Insert	50113-14	25/pk
3/8"	Polysulfone	Hose Barb Insert	50113-15	1/ea
3/8"	Polysulfone	Hose Barb Insert	50113-16	25/pk



## Specification and Ordering Table

Tubing ID	Material	Type	Item number	Pack Size
1/2"	Polycarbonate	Hose Barb Insert	50113-18	25/pk
1/2"	Polysulfone	Hose Barb Insert	50113-20	25/pk
	Polysulfone	Back-to-Back Insert Adapter	50113-21	1/ea
	Polycarbonate	Plug	50113-23	25/pk
	Polysulfone	Plug	50113-24	1/ea
	Polysulfone	Plug	50113-25	25/pk
	Polycarbonate	Cap	50113-27	25/pk
	Polysulfone	Cap	50113-29	25/pk
3/4"	Polysulfone	Sanitary Insert	50113-31	1/ea
1-1/2"	Polysulfone	Sanitary Insert	50113-32	1/ea
1/2"	Polycarbonate	Hose Barb Body with Lock	50113-34	25/pk
1/2"	Polysulfone	Hose Barb Body with Lock	50113-36	25/pk
	Polycarbonate	Cap with Lock	50113-37	1/ea
	Polycarbonate	Cap with Lock	50113-38	25/pk
	Polysulfone	Cap with Lock	50113-39	1/ea
	Polysulfone	Cap with Lock	50113-40	25/pk