



# Fluid Connectors for the Food and Dairy Markets

Bulletin QRG-Food & Dairy  
August 2005



**FOOD AND DAIRY**

PLANT NO. 55-307

**BUTTER**

4 OZ. NET WEIGHT (113.4g)



### Teflon® Products

Smooth bore and convoluted style hoses made of TFE or FEP. Convoluted core provides maximum flexibility. Temperature range from -100°F to +450°F. FDA-compliant and meets or exceeds 3A requirements.

Teflon's® low-friction, non-stick, and high-purity characteristics mean minimal deposit buildup. TFE, FEP, and PFA tubing also available. Full line of stainless steel fittings including sanitary flanges, clamps and cam and groove.



### Stainless Steel Adapters and Fittings

O-ring face seal fittings and adapters manufactured in brass, plated steel and 316 stainless steel. Provides optimum resistance to chemicals, water and foodstuffs. High sealing reliability for demanding applications such as high pressure, vibration, shock and impulse. Zero-clearance feature allows for ease of routing in food processing systems and equipment.

Adapters and fittings can be attached to tubing by brazing or utilizing Parker's patented Parflange™ tube forming process. Readily adaptable to flexible hose connections.



### Ball Valves

Sizes from 1/8" to 2". Pressure range up to 3,000 psi. Optimum flow design. Available in brass, stainless steel, carbon steel, and thermoplastic. Stainless steel and thermoplastic ball valves are ideal for transfer of foodstuffs and other food and dairy applications requiring FDA-compliant materials.



### Metal and Specialty Hoses

Ideal for high temperature applications (over 450°F) and where permeation is a concern. Metal core and flexible metal hose made of stainless steel are available in 316 or 321 grade. Standard products include Multitube®, Temptube®, and Temtrace™.

Heattrace tubing bundles maintain a constant tube temperature for consistent flow of food products. **Polyflex®** hoses solve higher pressure needs up to 60,000 psi including water jet cutting applications in the frozen food industry.





### Quick Couplings

Double shut-off, single shut-off and non-valved quick couplings are available for hydraulic, pneumatic or fluid transfer requirements. Sizes from 1/8" to 2" in stainless steel, polypropylene, acetal, PVDF and FDA-compliant and NSF-listed materials. Pressure range up to 6,700 psi. Products feature a wide variety of interchanges and configurations to meet every application.



### Pneumatic and Hydraulic Hose

540P for potable and deionized water. GPH-8-FDA has an FDA-compliant core tube. Thermoplastic hydraulic hoses for use on all processing equipment.



### Thermoplastic Tubing and Bundles

Vacuum to medium pressure up to 625 psi. Temperature range -80°F to +200°F. Sizes from 1/8" to 3/4", 4mm to 12mm O.D. Standard products offered in polyethylene, nylon, polypropylene, polyurethane, Teflon®, and vinyl. All products are available in a variety of colors. FDA-compliant and NSF-listed products are available.



### Plastic Fittings

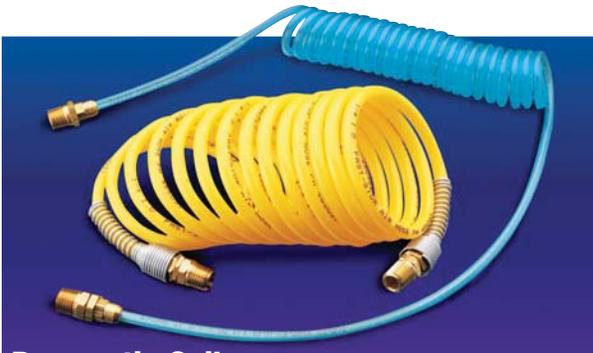
Available in sizes 1/8" to 5/8". Push-to-connect, barb and compression styles are designed for use with thermoplastic and metal tubing. Fittings are FDA-compliant and NSF 51 listed for food and dairy processing applications.





### Tube Fittings

A wide variety of tube fitting products is available for hydraulic, pneumatic, instrumentation and food processing applications. Products include flare, compression, push-in and O-ring face seal fittings. EO-2 fittings feature a soft seal technology that provides a complete leak-free connection in the most demanding applications. Fittings are available in steel, brass and stainless steel as a standard product. Additional materials are also available.



### Pneumatic Coils

Self-retracting air coils offer working pressures up to 170 psi. Sizes from 3/16" to 1/2" I.D. Available in a wide range of working lengths up to 100 ft. Feature long-lasting, abrasion-resistant service for a wide variety of applications.



### Equipment and Hand Tools

Complete line of tools for bending, flaring, cutting, and flanging. For tube sizes from 1/8" to 2" or 4mm to 42mm.

The latest technology in hose crimping equipment is also available for on-site hose assembly fabrication to reduce processing equipment downtime.





**The leader in leak-free connections  
is at work in your business.**

No matter what your application, Parker has products designed exclusively for the food and dairy markets. Products that are FDA-compliant and NSF-listed. Innovative products that meet or exceed industry standards and industry expectations. In a variety of materials, designs, shapes, sizes, covers and capabilities as dictated by the stringent requirements of this exacting business.

From fittings, tubing, hose and adapters—to valves, couplings, quick-disconnects and expert systems—Parker delivers. Offering you a system of reliable, leak-free connectors that work in a wide range of temperatures and pressures.

For more than 50 years, Parker has been a world-class supplier of hydraulic, pneumatic and fluid-systems and components. Now we bring that expertise to you. Our people are building meaningful relationships at both the food and dairy OEM and aftermarket levels, tailoring our products and our programs to the unique needs of both audiences.



From high-purity stainless steel sanitary flanges and Teflon® hoses to temperature-sensitive transfer lines, your local Parker distributor has the off-the-shelf solutions you need for both industrial and food-grade leak-free connections. And they are right where you need them: around the corner.

Our 2100-plus distributors give you more places to go for more help more quickly. We offer you the convenience of single-source availability, as well as the kind of knowledgeable support that can help you streamline your food and dairy operations in a hurry.

In fact, no other company can offer you a larger base of qualified distributors and technicians. From fast phone or on-site service—to application-specific prototype development—Parker people are the people to talk to for the answers you need. All over the world. And right around the corner.

Parker is bringing a world of experience to food and dairy. Experience that makes us the one company worth plugging in to.

## Fluid Connectors Group Regional Sales Office & Service Centers

**Your complete source** for quality tube fittings, hose & hose fittings, brass fittings & valves, quick-connect couplings, and assembly tools, locally available from a worldwide network of authorized distributors.

**Fittings & Couplings:** Available in inch and metric sizes covering SAE, BSP, DIN, GAZ, JIS and ISO thread configurations, manufactured from steel, stainless steel, brass, aluminum, nylon and thermoplastic.

**Hose, Tubing and Bundles:** Available in a wide variety of sizes and materials including rubber, wire-reinforced thermoplastic, hybrid and custom compounds.

**Worldwide Availability:** Parker operates Fluid Connectors manufacturing locations and sales offices throughout North America, South America, Europe and Asia-Pacific.

**For information,** contact the nearest Regional Sales Office listed, call toll-free 1-800-C-PARKER (1-800-272-7537) or e-mail [c-parker@parker.com](mailto:c-parker@parker.com).

**OEM Sales Office & Service Center**  
Hiawatha, IA  
(319) 393-1221  
(319) 393-1224 FAX

**Cleveland Region Sales Office**  
Cleveland, OH  
(216) 896-2404  
(216) 896-4022 FAX

**Service Center**  
Toledo, OH  
(419) 878-7000  
(419) 878-7001 FAX

**Service Center**  
Louisville, KY  
(502) 937-1322  
(502) 937-4180 FAX

**Great Lakes Region Sales Office**  
Otsego, MI  
(269) 694-2550  
(269) 694-6634 FAX

**Minneapolis Region Sales Office**  
Minneapolis, MN  
(763) 513-3535  
(763) 544-3418 FAX

**Service Center**  
Minneapolis, MN  
(952) 469-5000  
(952) 469-5729 FAX

**Service Center**  
Oshkosh, WI  
(920) 426-8471  
(920) 426-8570 FAX

**Northeast Region Sales Office**  
Trenton, NJ  
(609) 586-5151  
(609) 586-3149 FAX

**Pacific Region Sales Office & Service Center**  
Portland, OR  
(503) 283-1020  
(503) 283-2201 FAX

**Service Center**  
Buena Park, CA  
(714) 522-8840  
(714) 994-1183 FAX

**Southeast Region Sales Office**  
Greensboro, NC  
(336) 373-1761  
(336) 378-0913 PSC FAX  
(336) 373-9069 Sales FAX

**Service Center**  
Conyers, GA  
(770) 929-0330  
(770) 929-0230 FAX

**Southwest Region Sales Office**  
Mansfield, TX  
(682) 518-8370  
(817) 453-8022 FAX

**Service Center**  
Thibodaux, LA  
(985) 448-0706  
(985) 448-0708 FAX

**Canada Sales Office & Service Center**  
Grimsby, ON  
(905) 945-2274  
(905) 945-3946 FAX  
**(Contact Grimsby for other Service Center locations.)**



**Parker Hannifin Corporation**  
Fluid Connectors Group  
6035 Parkland Boulevard  
Cleveland, Ohio 44124  
[www.parker.com/fcg](http://www.parker.com/fcg)

© 2005 Parker Hannifin Corporation

