

# Cole-Parmer® Sanitary Fittings

## 316L Stainless Steel

Cole-Parmer®



### Before Choosing a Fixture, Consider the Following

Sanitary fittings are crafted to prevent contamination, ensuring the highest standards of purity and reliability in fluid handling systems. A sanitary fitting consists of three key components: two fittings, a gasket, and a clamp. The gasket is placed between the two fittings, and the clamp holds the assembly together. This design provides a highly sanitary connection that is easy to assemble and disassemble, making it perfect for processes requiring regular maintenance and cleaning.

316L stainless steel sanitary fittings provide excellent chemical compatibility and corrosion resistance while offering a leakproof connection. Easily remove to clean or use Clean-in-Place (CIP) process to reduce the chances of dirt and bacteria contaminating the process.



#### CERTIFICATION

3-A and FDA

#### FITTINGS

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

#### FITTINGS BY TYPE – GENERAL OVERVIEW



90° Elbow



Straight



Tee



Y

#### APPLICATIONS

- Great for food, beverage, and dairy applications
- Ideal for cell culture media, aseptic fill and transfer, and sterile filling

#### FEATURES/BENEFITS

- 316L stainless steel offers excellent chemical resistance against corrosive acids and bases
- Compatible with Tri-Clamp® fittings
- Pair with sanitary gasket and clamp for a hygienic connection
- Free technical application support available to assist with fitting and gasket selection

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Canada	+1.800.363.5900
China	+86.21.5109.9909
India	+1.800.266.1244

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All others	+1.847.549.7600

Cole-Parmer®

[coleparmer.com](http://coleparmer.com)

\*Inquiries from Germany and France are now handled in our St. Neots office by native-speaking experts.

## Sanitary Fitting Types Overview

### Straight Concentric Reducer

- Seamlessly connect two different sanitary connection sizes
- Concentric design provides an even flow due to the centerline alignment

### Straight Eccentric Reducer

- Offset centerline and flat side provide a horizontal line for proper drainage and prevent air bubbles
- Maintain the same top or bottom level with different connection sizes

### Straight Sanitary x Hose Barb Adapter

- Easily transition from sanitary fitting to flexible tubing
- Straight design ensures a secure tubing connection with minimal flow turbulence

### Straight Sanitary x Threaded NPT(M) Adapter

- Join a sanitary fitting to a threaded pipe using the NPT(M) thread connection
- Perfect for connecting a sanitary system to threaded equipment

### 45° Elbow Union

- Gently change flow direction with a 45° angled fitting
- Great for tight spaces of equal connection sizes

### 90° Elbow Union

- Redirect your flow or fit in tight spaces with a 90° bend
- Ensure smooth flow with two equal connection sizes

### Tee Union

- Combine or split flow with three equal connection sizes
- Ideal for complex piping systems requiring multiple flow directions

### Cross Union

- Four equal connection sizes to combine or split fluid flow
- Suitable for systems distributing flow to multiple points

## Specification and Ordering Table

Flow Pattern	Connection Type	Dimensions: in. (mm)	Item Number	Pack Size
Straight	Sanitary Concentric Reducer	1" x 3/4" mini	<a href="#">50118-00</a>	1
Straight	Sanitary Concentric Reducer	1-1/2" x 1"	<a href="#">50118-01</a>	1
Straight	Sanitary Concentric Reducer	2" x 1"	<a href="#">50118-02</a>	1
Straight	Sanitary Concentric Reducer	2" x 1-1/2"	<a href="#">50118-03</a>	1
Straight	Sanitary Eccentric Reducer	1" x 3/4" mini	<a href="#">50118-04</a>	1
Straight	Sanitary Eccentric Reducer	1-1/2" x 1"	<a href="#">50118-05</a>	1
Straight	Sanitary Eccentric Reducer	2" x 1"	<a href="#">50118-06</a>	1
Straight	Sanitary x Hose Barb	3/4" mini x 1/8" (3.2) Hose Barb	<a href="#">50118-07</a>	1
Straight	Sanitary x Hose Barb	3/4" mini x 1/4" (6.4) Hose Barb	<a href="#">50118-08</a>	1
Straight	Sanitary x Hose Barb	3/4" mini x 3/8" (9.5) Hose Barb	<a href="#">50118-09</a>	1
Straight	Sanitary x Hose Barb	3/4" mini x 1/2" (12.7) Hose Barb	<a href="#">50118-10</a>	1
Straight	Sanitary x Hose Barb	3/4" mini x 3/4" (19.1) Hose Barb	<a href="#">50118-11</a>	1
Straight	Sanitary x Hose Barb	1" x 1" (25.4) Hose Barb	<a href="#">50118-12</a>	1
Straight	Sanitary x Hose Barb	1-1/2" x 1-1/2" (38.1) Hose Barb	<a href="#">50118-13</a>	1
Straight	Sanitary x Hose Barb	2" x 2" (50.8) Hose Barb	<a href="#">50118-14</a>	1
Straight	Sanitary x Threaded NPT(M)	3/4" mini x 1/8" NPT(M)	<a href="#">50115-15</a>	1

## Specification and Ordering Table

Flow Pattern	Connection Type	Dimensions: in. (mm)	Item Number	Pack Size
Straight	Sanitary x Threaded NPT(M)	3/4" mini x 1/4" NPT(M)	<a href="#">50115-16</a>	1
Straight	Sanitary x Threaded NPT(M)	3/4" mini x 3/8" NPT(M)	<a href="#">50115-17</a>	1
Straight	Sanitary x Threaded NPT(M)	3/4" mini x 1/2" NPT(M)	<a href="#">50115-18</a>	1
Straight	Sanitary x Threaded NPT(M)	3/4" mini x 3/4" NPT(M)	<a href="#">50115-19</a>	1
Straight	Sanitary x Threaded NPT(M)	1" x 3/4" NPT(M)	<a href="#">50115-20</a>	1
Straight	Sanitary x Threaded NPT(M)	1" x 1" NPT(M)	<a href="#">50115-21</a>	1
Straight	Sanitary x Threaded NPT(M)	1" x 1-1/2" NPT(M)	<a href="#">50115-22</a>	1
Straight	Sanitary x Threaded NPT(M)	1-1/2" x 3/4" NPT(M)	<a href="#">50115-23</a>	1
Straight	Sanitary x Threaded NPT(M)	1-1/2" x 1" NPT(M)	<a href="#">50115-24</a>	1
Straight	Sanitary x Threaded NPT(M)	1-1/2" x 1-1/4" NPT(M)	<a href="#">50115-25</a>	1
Straight	Sanitary x Threaded NPT(M)	1-1/2" x 1-1/2" NPT(M)	<a href="#">50115-26</a>	1
45° Elbow	Sanitary Union	3/4"	<a href="#">50118-31</a>	1
45° Elbow	Sanitary Union	1"	<a href="#">50118-32</a>	1
45° Elbow	Sanitary Union	1-1/2"	<a href="#">50118-33</a>	1
45° Elbow	Sanitary Union	2"	<a href="#">50118-34</a>	1
90° Elbow	Sanitary Union	3/4"	<a href="#">50118-27</a>	1
90° Elbow	Sanitary Union	1"	<a href="#">50118-28</a>	1
90° Elbow	Sanitary Union	1-1/2"	<a href="#">50118-29</a>	1
90° Elbow	Sanitary Union	2"	<a href="#">50118-30</a>	1
Tee	Sanitary Union	3/4"	<a href="#">50118-35</a>	1
Tee	Sanitary Union	1"	<a href="#">50118-36</a>	1
Tee	Sanitary Union	1-1/2"	<a href="#">50118-37</a>	1
Tee	Sanitary Union	2"	<a href="#">50118-38</a>	1
Cross	Sanitary Union	1"	<a href="#">50118-39</a>	1
Cross	Sanitary Union	1-1/2"	<a href="#">50118-40</a>	1
Cross	Sanitary Union	2"	<a href="#">50118-41</a>	1