

Fittings Solutions You Can Trust!

Your fluid handling system isn't complete without fittings to connect tubing lines, equipment, and containers. Cole-Parmer has one of the largest selections in the industry—we have the right fitting for your needs. If you can't find the right fitting in the catalog, you can check our web site at www.coleparmer.com; we constantly update our product offering to add new items. You

can also contact our Applications Specialists—with a stunning **99.97%** accuracy rate, they can help you find the fitting you need.

For specific sizes and materials available, please see each section:



Barbed fittings
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Threaded fittings
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Push-to-connect fittings
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High-pressure chromatography fittings (4000 to 10,000 psi)
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Flare compression fittings
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Luer fittings
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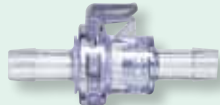
Sanitary clamp fittings
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Low-pressure chromatography (PTFE) fittings and filters (1000 psi max)
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MORE online!

To check the chemical compatibility of your application, go to... ColeParmer.com/chemchart



Scan the code!
Use your mobile device to scan this QR code and go directly to the URL above.
For details see page vii.



Certificates of Compliance

Cole-Parmer will provide a certificate of resin or elastomer compliance FREE at your request with each order of fittings, gaskets, or tubing. Certificates list your company's PO number, order reference number, catalog number, formulation, compound number, lot number (where applicable), and the regulations and agencies the fitting, gasket, or tubing complies with, including FDA, USP, USDA, National Formulary, NSF International, GMP, and 3A. Look for the "certification ribbon" throughout this catalog to identify when a certificate of compliance is available.



Material Specifications

Fittings material	Color	Temperature range	Resin certificate available	Sterilize by	Chemical compatibility [†]			
					WA	SA	WB	SB
Black PP	Black	0 to 275°F (-17 to 235°C)	—	Ethylene oxide or autoclave	B ¹	B ¹	A ²	A
Brass	Opaque	0 to 275°F (-17 to 235°C)	—	Autoclave	D	D	B	D
Clear PP	Clear	32 to 275°F (0 to 135°C)	USP Class VI and FDA 21 CFR 177.1520	Ethylene oxide or autoclave	A	B ¹	A	A
High-density PE	Black	-65 to 150°F (-53 to 87°C)	FDA 21 CFR 177.1520 AND NSF	Ethylene oxide only	B	D	A	C
Natural PP	Opaque	9 to 180°F (-13 to 66°C)	USP Class VI and FDA 21 CFR 177.1520	Ethylene oxide or gamma irradiation	A	B ¹	A	A
Nylon	Opaque	-50 to 250°F (-46 to 121°C)	FDA 21 CFR 177.1520 AND NSF	Ethylene oxide or autoclave	D	D	A ¹	C
PFA	Opaque	-10 to 400°F (-17 to 204°C)	FDA 21 CFR 177	Ethylene oxide or autoclave	A	A	A	A
PharmaFluor® PTFE	White	0 to 200°F (17 to 93°C)	FDA 21 CFR 177.1550	Ethylene oxide or autoclave	A	A	A	A ¹
Polycarbonate	Clear	-211 to 275°F (-135 to 135°C)	—	Ethylene oxide only	B ¹	D	B ¹	D
PVC	Gray	0 to 140°F (-23 to 60°C)	—	Ethylene oxide only	A	D	A ²	A
PVDF	Opaque	-80 to 265°F (-62 to 129°C)	USP Class VI and FDA 21 CFR 177.1520 AND NSF	Ethylene oxide or autoclave	A	A	A	D
Stainless steel	Gray	-40 to 200°F (-40 to 93°C)	—	ETO, autoclave, gamma irradiation	B	D	B	B ¹
White PP	White	0 to 275°F (-17 to 135°C)	—	Autoclave only	A	B ¹	A	A

[†]Ratings: A—No effect B—Minor effect C—Moderate effect D—Severe effect; Not recommended. 1. Satisfactory to 72°F (22°C) 2. Satisfactory to 120°F (48°C)
WA—Weak Acid; SA—Strong Acid; WB—Weak Base; SB—Strong Base.



Polypropylene (PP) and PVDF Sanitary Clamp Fittings

- Meet USP Class VI for pharmaceutical use and FDA, USDA, and 3A standards for food contact
- All fittings are compatible with Tri-Clamp® fittings
- Excellent chemical resistance; low leachable characteristics

Note: Though both materials may be autoclaved, PVDF tolerates high temperatures better than PP does and will perform more consistently after repeated autoclaving.

Clamp size	PP		PVDF	
	Cat. no.	Price	Cat. no.	Price
A Eccentric reducers				
1½" x ¾" mini	SN-31805-01		SN-31808-01	
B Concentric reducers				
1" ladish x ¾" mini	SN-31805-05		SN-31808-05	
1½" x ¾" mini	SN-31805-06		SN-31808-06	
1½" x 1" ladish	SN-31805-10		SN-31808-10	
2" x 1" ladish	SN-31805-11		SN-31808-11	
2" x 1½"	SN-31805-14		SN-31808-14	
C Barbed adapters, clamp x tubing ID				
¾" mini x ⅛"	SN-31805-24		SN-31808-24	
¾" mini x ¼"	SN-31805-25		SN-31808-25	
¾" mini x ⅜"	SN-31805-26		SN-31808-26	
¾" mini x ½"	SN-31805-27		SN-31808-27	
¾" mini x ⅝"	SN-31805-28		SN-31808-28	
¾" mini x ¾"	SN-31805-29		SN-31808-29	
1" ladish x ⅝"	SN-31805-30		SN-31808-30	
1" ladish x ¾"	SN-31805-31		SN-31808-31	
1" ladish x ⅞"	SN-31805-32		SN-31808-32	
1" ladish x 1"	SN-31805-33		SN-31808-33	
1" ladish x 1¼"	SN-31805-34		SN-31808-34	
1" ladish x 1½"	SN-31805-35		SN-31808-35	
1½" x 1"	SN-31805-41		SN-31808-41	
2" x 1"	SN-31805-47		SN-31808-47	
D Pipe thread adapters, clamp x NPT(M)				
1" ladish x ⅛"	SN-31805-56		SN-31808-56	
1" ladish x ¼"	SN-31805-57		SN-31808-57	
1" ladish x ⅜"	SN-31805-58		SN-31808-58	
1" ladish x ½"	SN-31805-59		SN-31808-59	
1" ladish x ¾"	SN-31805-60		SN-31808-60	
1" ladish x 1"	SN-31805-61		SN-31808-61	
1" ladish x 1¼"	SN-31805-62		SN-31808-62	
1" ladish x 1½"	SN-31805-63		SN-31808-63	
1½" x ¾"	SN-31805-68		SN-31808-68	
1½" x 1"	SN-31805-69		SN-31808-69	
1½" x 1¼"	SN-31805-70		SN-31808-70	
1½" x 1½"	SN-31805-71		SN-31808-71	
2" x 1"	SN-31805-77		SN-31808-77	
2" x 1¼"	SN-31805-78		SN-31808-78	
2" x 1½"	SN-31805-79		SN-31808-79	
2" x 2"	SN-31805-80		SN-31808-80	
E Pipe thread adapters, clamp x NPT(F)				
1" ladish x ¾"	SN-31806-04		SN-31809-04	
1" ladish x 1"	SN-31806-05		SN-31809-05	
1½" x 1½"	SN-31806-15		SN-31809-15	
F 90° elbows				
¾" mini	SN-31806-41		SN-31809-41	
1" ladish	SN-31806-42		SN-31809-42	
1½"	SN-31806-43		SN-31809-43	
2"	SN-31806-44		SN-31809-44	
G 45° elbows				
¾" mini	SN-31806-51		SN-31809-51	
1" ladish	SN-31806-52		SN-31809-52	
1½"	SN-31806-53		SN-31809-53	
2"	SN-31806-54		SN-31809-54	
H Standard tees				
¾" mini	SN-31806-61		SN-31809-61	
1" ladish	SN-31806-62		SN-31809-62	
1½"	SN-31806-63		SN-31809-63	
2"	SN-31806-64		SN-31809-64	
I Clamps				
¾" mini	—	—	SN-31811-00	
1" and 1½"	—	—	SN-31811-01	
2"	—	—	SN-31811-02	
2½"	—	—	SN-31811-03	

Specifications



Clamp size	Inner dimension (based on SS tube ID)
¾" mini	9/16"
1" maxi	7/8"
1" ladish†	7/8"
1½"	1 1/8"
2"	1 7/8"
2½"	2 3/8"
3"	2 7/8"

†Choose 1" ladish fittings for a direct match with 1" stainless steel sanitary connections.

Chemical resistance

PP: very good PVDF: excellent

Temperature range

PP: 15 to 180°F (-9 to 82°C)
PVDF: -40 to 280°F (-40 to 138°C)

Max pressure

In ambient conditions, using plastic true union style clamp
PP: 125 psi PVDF: 150 psi

Sterilization: ETO or autoclave

J Nylon Clamps

Clamp size	Catalog number	Price
½" to ¾"	SN-30508-21	
1" to 1½"	SN-30508-23	
2"	SN-30508-25	
3"	SN-30508-27	
4"	SN-30508-29	

Gaskets (not shown)

Gasket size	Catalog number	Price
Platinum-cured silicone		
¾" mini	SN-30548-00	
1" ladish	SN-30548-02	
1½"	SN-30548-04	
2"	SN-30548-06	
2½"	SN-30548-08	
Viton®		
¾" mini	SN-30548-20	
1" ladish	SN-30548-22	
1½"	SN-30548-24	
2"	SN-30548-26	
2½"	SN-30548-28	
Buna N		
¾" mini	SN-30548-40	
1" ladish	SN-30548-42	
1½"	SN-30548-44	
2"	SN-30548-46	
2½"	SN-30548-48	

¾" mini	SN-30548-60	
1" ladish	SN-30548-62	
1½"	SN-30548-64	
2"	SN-30548-66	
2½"	SN-30548-68	

¾" mini	SN-30548-80	
1" ladish	SN-30548-82	
1½"	SN-30548-84	
2"	SN-30548-86	
2½"	SN-30548-88	

¾" mini	SN-30548-80	
1" ladish	SN-30548-82	
1½"	SN-30548-84	
2"	SN-30548-86	
2½"	SN-30548-88	

¾" mini	SN-30548-80	
1" ladish	SN-30548-82	
1½"	SN-30548-84	
2"	SN-30548-86	
2½"	SN-30548-88	



PFA Sanitary Clamp Fittings

Ideal for extremely corrosive materials—PFA will not rouge or pit

- Inert, nonstick surfaces—perfect for fragile and metal-sensitive proteins
- Employ regular steam-in-place cycles without worry
- Fully compatible with other Tri-Clamp® connections
- Protective overmolding reinforces clamp connection sites
- Full static vacuum capability at 300°F (149°C)

Sanitary applications that use highly corrosive chemicals require fittings that can endure the punishment. These food and pharmaceutical quality PFA fittings are easily cleaned so you will minimize downtime, cross contamination, and yield loss. Autoclavable.

Specifications



Pressure ratings:

- 100 psig @ ambient temperature
- 60 psig @ 180°F (82°C)
- 60 psig @ 35°F (1.66 °C)

Maximum temperature for normal

operating parameters: 180°F (82°C) @ 14.7 psig

Vacuum: full static vacuum capability at 300°F (149°C)

Autoclavability: 255°F (124°C) autoclave temperature while components are not under load or bolted together in a valve assembly

Approvals: FDA, USP Class VI, 3A, and USDA Sanitary Standards



A 90° Elbows, PFA

Clamp size	Catalog number	Price
1/2"	SN-31530-01	
3/4"	SN-31530-02	
1"	SN-31530-03	
1 1/2"	SN-31530-04	

B Tees, PFA

Clamp size	Catalog number	Price
1/4"	SN-31530-09	
1/2"	SN-31530-10	
3/4"	SN-31530-11	
1"	SN-31530-12	
1 1/2"	SN-31530-13	
2"	SN-31530-14	

C Eccentric Reducer, PFA

Clamp size	Catalog number	Price
3/4" x 1/2"	SN-31530-19	

D Concentric Reducers, PFA

Clamp size	Catalog number	Price
3/4" x 1/2"	SN-31530-27	
1" x 3/4"	SN-31530-28	
1 1/2" x 1"	SN-31530-29	
2" x 1 1/2"	SN-31530-30	

E End Caps, PFA

Clamp size	Catalog number	Price
1/4", 1/2", 3/4"	SN-31530-34	
1", 1 1/2"	SN-31530-35	
2"	SN-31530-36	

F Ferrules, PFA

Clamp size	Catalog number	Price
1/4"	SN-31530-40	
1/2"	SN-31530-41	
3/4"	SN-31530-42	
1"	SN-31530-43	
1 1/2"	SN-31530-44	
2"	SN-31530-45	

G Clamps, 304L SS

Clamp size	Catalog number	Price
1/2" to 3/4"	SN-30562-01	
1" to 1 1/2"	SN-30562-02	
2"	SN-30562-03	
2 1/2"	SN-30562-04	
3"	SN-30562-05	
4"	SN-30562-06	

H Clamps, Nylon **NEW**

Clamp size	Catalog number	Price
1/2" to 3/4"	SN-30508-21	
1" to 1 1/2"	SN-30508-23	
2"	SN-30508-25	
3"	SN-30508-27	
4"	SN-30508-29	

Cole-Parmer 316L 和 304 不锈钢消毒纵向夹紧连轴器

符合FDA要求和3A消毒标准

Cole-Parmer隆重向您推荐该类消毒纵向夹紧连轴器。所有连轴器都配有304L标准接头夹。316L不锈钢和304不锈钢两种材质可选。

316L不锈钢连轴器更适合制药业使用，具有出色的化学相容性，可用于处理腐蚀性酸和碱。

304不锈钢连轴器更适合食品，饮料和牛奶业，具有良好的化学相容性，价格也更便宜。



A
30700-52



B
30701-00



C
30800-50



D
30800-60



E
30700-82



F
30800-66



G
30700-90



H
30800-71



I
30800-76

编码	夹尺寸	316L 不锈钢	304 不锈钢	
		目录号	目录号	
通心大小头				
A	1" x 3/4"	TM-30700-50	—	
	1 1/2" x 1"	TM-30700-51	TM-30700-95	
	2" x 1"	TM-30700-52	TM-30700-96	
	2 x 1 1/2"	TM-30700-53	TM-30700-97	
偏心异径管接头				
B	1" x 3/4"	TM-30700-54	—	
	1 1/2" x 1"	TM-30700-55	TM-30700-98	
	2" x 1"	TM-30700-56	TM-30700-99	
	2 x 1 1/2"	TM-30700-57	TM-30701-00	
倒刺接头				
C	3/4" x 1/8"	TM-30700-58	—	
	3/4" x 1/4"	TM-30700-59	—	
	3/4" x 3/8"	TM-30700-60	—	
	3/4" x 1/2"	TM-30700-61	—	
	3/4" x 3/4"	TM-30700-62	—	
	1" x 1"	TM-30700-63	TM-30800-50	
	1 1/2" x 1 1/2"	TM-30700-64	TM-30800-51	
	2" x 2"	TM-30700-65	TM-30800-52	
	螺纹接头, 夹 x NPT(公)			
	D	3/4" x 1/8"	TM-30700-66	—
3/4" x 1/4"		TM-30700-67	—	
3/4" x 3/8"		TM-30700-68	—	
3/4" x 1/2"		TM-30700-69	—	
3/4" x 3/4"		TM-30700-70	—	
1" x 3/4"		TM-30700-71	TM-30800-53	
1" x 1"		TM-30700-72	TM-30800-54	
1" x 1 1/2"		TM-30700-74	TM-30800-55	
1" x 2"		TM-30700-75	TM-30800-56	
1 1/2" x 3/4"		TM-30700-76	TM-30800-57	
1 1/2" x 1"		TM-30700-77	TM-30800-58	
1 1/2" x 1 1/4"		TM-30700-78	TM-30800-59	
1 1/2" x 1 1/2"		TM-30700-79	TM-30800-60	
1 1/2" x 2"		—	TM-30800-61	
直角弯管				
E		3/4"	TM-30700-80	—
	1"	TM-30700-81	TM-30800-62	
	1 1/2"	TM-30700-82	TM-30800-63	
	2"	TM-30700-83	TM-30800-64	
45° 弯管				
F	3/4"	TM-30700-84	—	
	1"	TM-30700-85	TM-30800-65	
	1 1/2"	TM-30700-86	TM-30800-66	
	2"	TM-30700-87	TM-30800-67	
T型				
G	3/4"	TM-30700-88	—	
	1"	TM-30700-89	TM-30800-68	
	1 1/2"	TM-30700-90	TM-30800-69	
	2"	TM-30700-91	TM-30800-70	
十字型				
H	1"	TM-30700-92	TM-30800-71	
	1 1/2"	TM-30700-93	TM-30800-72	
	2"	TM-30700-94	TM-30800-73	
夹型				
I	1/2" ~ 3/4"	—	TM-30800-74	
	1" ~ 1 1/2"	—	TM-30800-75	
	2"	—	TM-30800-76	
	2 1/2"	—	TM-30800-77	
	3" ~ 4"	—	TM-30800-78	
			TM-30800-80	

ASME-BPE BioPharm Fittings

For your critical applications—fittings meet ASME-BPE 2002 specifications

- Interior surface finishes available in both 20Ra Mechanical and 15Ra Electropolished
- All fittings are pin-stamped with material grade, heat number(s) and appropriate ASME-BPE surface finish designation
- Mill Test Reports (MTRs) available on all BPE sanitary fittings

MORE online!

For sizes up to 4", additional styles, and connection types, go to ...
ColeParmer.com



MORE information!

Roughness Average (Ra) is the arithmetic mean of the peaks and valleys on the surface of the fitting. The lower the Ra reading, the smoother the surface.



A
30606-05



B
30606-09



C
30606-13



D
30606-20



E
30606-29



F
30606-33



G
30606-40



H
30606-51

Biopharm products are designed and built to meet the most stringent requirements of ultra-pure processing, including the ASME BPE 2002 specifications for dimensions, surface finishes and tolerances. These fittings are ideal for pharmaceutical, biotechnological and other ultra-pure applications. Biopharm fittings are subjected to rigorous quality control inspections then capped and shrink-wrapped to ensure safe storage and shipping. All Biopharm fittings are constructed of 316L stainless steel.

Key	Clamp size	Surface finish		Surface finish	
		20RA ID/32RA OD		15RA ID/MILL OD	
		Catalog number	Price	Catalog number	Price
90 degree elbow					
A	1/2"	SN-30606-01		SN-30607-01	
	3/4"	SN-30606-02		SN-30607-02	
	1"	SN-30606-03		SN-30607-03	
	1 1/2"	SN-30606-04		SN-30607-04	
	2"	SN-30606-05		SN-30607-05	
	2 1/2"	SN-30606-06		SN-30607-06	
45 degree elbow					
B	1/2"	SN-30606-07		SN-30607-07	
	3/4"	SN-30606-08		SN-30607-08	
	1"	SN-30606-09		SN-30607-09	
	1 1/2"	SN-30606-10		SN-30607-10	
	2"	SN-30606-11		SN-30607-11	
	2 1/2"	SN-30606-12		SN-30607-12	
Equal tee					
C	1/2"	SN-30606-13		SN-30607-13	
	3/4"	SN-30606-14		SN-30607-14	
	1"	SN-30606-15		SN-30607-15	
	1 1/2"	SN-30606-16		SN-30607-16	
	2"	SN-30606-17		SN-30607-17	
	2 1/2"	SN-30606-18		SN-30607-18	
Reducing tee					
D	3/4" x 1/2"	SN-30606-19		SN-30607-19	
	1" x 1/2"	SN-30606-20		SN-30607-20	
	1" x 3/4"	SN-30606-21		SN-30607-21	
	1 1/2" x 1/2"	SN-30606-22		SN-30607-22	
	1 1/2" x 3/4"	SN-30606-23		SN-30607-23	
	1 1/2" x 1"	SN-30606-24		SN-30607-24	
	2" x 1/2"	SN-30606-25		SN-30607-25	
	2" x 3/4"	SN-30606-26		SN-30607-26	
	2" x 1"	SN-30606-27		SN-30607-27	
	2" x 1 1/2"	SN-30606-28		SN-30607-28	
Solid end cap					
E	1/2" and 3/4"	SN-30606-29		SN-30607-29	
	1" and 1 1/2"	SN-30606-30		SN-30607-30	
	2"	SN-30606-31		SN-30607-31	
	2 1/2"	SN-30606-32		SN-30607-32	
Equal cross					
F	1/2"	SN-30606-33		SN-30607-33	
	3/4"	SN-30606-34		SN-30607-34	
	1"	SN-30606-35		SN-30607-35	
	1 1/2"	SN-30606-36		SN-30607-36	
	2"	SN-30606-37		SN-30607-37	
	2 1/2"	SN-30606-38		SN-30607-38	
Concentric reducer					
G	3/4" x 1/2"	SN-30606-39		SN-30607-39	
	1" x 1/2"	SN-30606-40		SN-30607-40	
	1" x 3/4"	SN-30606-41		SN-30607-41	
	1 1/2" x 1/2"	SN-30606-42		SN-30607-42	
	1 1/2" x 3/4"	SN-30606-43		SN-30607-43	
	1 1/2" x 1"	SN-30606-44		SN-30607-44	
	2" x 1/2"	SN-30606-45		SN-30607-45	
	2" x 3/4"	SN-30606-46		SN-30607-46	
	2" x 1"	SN-30606-47		SN-30607-47	
	2" x 1 1/2"	SN-30606-48		SN-30607-48	
Eccentric reducer					
H	3/4" x 1/2"	SN-30606-49		SN-30607-49	
	1" x 3/4"	SN-30606-50		SN-30607-50	
	1 1/2" x 1"	SN-30606-51		SN-30607-51	
	2" x 1"	SN-30606-52		SN-30607-52	
	2" x 1 1/2"	SN-30606-53		SN-30607-53	

SaniSure™ Single-Use Sanitary Clamps

Fast, safe, secure, and cost-effective connections!

- Even 360-degree compression to prevent leakage
- Withstands pressures up to 100 psi
- Reduces installation time

NEW



30562-21

SaniSure clamps feature an innovative design for fast, safe, secure connections and offer a cost-effective solution for connecting single-use installations. Made of USP Class VI-approved nylon, these clamps are designed for single use applications but are durable enough to withstand repetitive use. Unlike traditional two-point load stainless steel sanitary clamps, the design of these clamps ensure even 360-degree compression over the entire fitting surface—no more leaks and no gasket intrusion in your process line! Their low-profile rounded edges reduce the risk of penetrating bag assemblies, and the evenly controlled compression allows easy connection for plastic-to-plastic, plastic-to-stainless steel, or stainless steel-to-stainless steel coupling joints.

To use, simply insert the cable tie end in its mate a couple clicks; position clamp on ferrule; hold both clamp parts together; move clamp around the tri-clamp fitting joint and slide clamp closed. Complete the closure by using the clamping tool to bring it to the proper tension. The easy-to-use design reduces chances of risk associated with carpal tunnel or other wrist injuries and yields a tamper-proof connection that is not operator dependent. As a single-use device, they eliminate need for cleaning validations and reduce your overall downtime for installation.

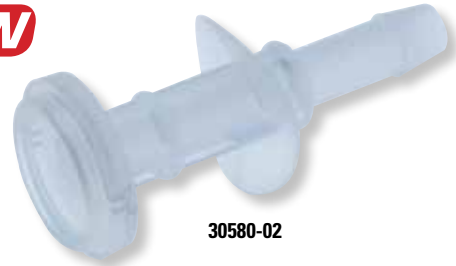
Clamp size	Catalog number	Price	Replacement tie 50/pk	
			Cat. no.	Price
½ to ¾"	SN-30562-21		SN-30562-31	
1 to 1½"	SN-30562-22		SN-30562-32	

- SN-30562-20 Preset installation tool
- SN-30562-41 Calibrated preset installation tool
- SN-30562-42 Removal tool

Sterilenz® Pregasketed Sanitary Connectors

- Meet USP Class VI requirements for pharmaceutical use and FDA, USDA, and 3A standards for food contact
- All fittings are compatible with Tri-Clamp® fittings
- Excellent chemical resistance with low leachable characteristics

NEW



30580-02

These sanitary flange connectors come pregasketed with a medical-grade platinum-cured silicone gasket. All materials are certified animal-free and are noncytotoxic and nonhemolytic. Other sizes and styles are available—call our Application Specialists for details.

Specifications



Body material: polypropylene, certified animal-derived component-free

Gasket material: platinum-cured silicone

Max pressure: 75 psi (5.17 bar) at ambient

Temperature range: -4 to 167°F (-20 to 75°C)

Sterilization: autoclave or gamma irradiation

Catalog number	Clamp size	Tube ID	Price/pk of 10
SN-30580-01	¾" mini	¼"	
SN-30580-02		⅜"	
SN-30580-03		½"	
SN-30580-04	1" to 1½"	¼"	
SN-30580-05		⅜"	
SN-30580-06		½"	
SN-30580-07		¾"	

SN-30580-91 Replacement sanitary gasket:
¾" mini, platinum-cured silicone. Pack of 10

SN-30580-94 Replacement sanitary gasket:
1½", platinum-cured silicone. Pack of 10

Kleenpak™ Connectors

- Maintain sterile integrity and ensure a secure connection
- Easy connections in seconds to reduce fluid line downtime
- Accommodate full system sterilization

With the Kleenpak connector, system sterility is ensured when connecting two separate presterilized lines. Each connector system consists of presterilized male and female halves. Barbed ends connect to ½" (13 mm) nominal tubing. Made from polycarbonate, the connectors are designed to withstand autoclaving or gamma irradiation. All Kleenpak connectors come with a Certificate of Test confirming the quality standards and quality control tests performed.

To use, install the connector half in your tubing line, and sterilize the assembly. Mate to the corresponding connector half; an audible snap ensures a tight union. Peel away the strips on the connector halves. Rotate the thumb rest on the male connector half, then push the thumb rest down to the base of the barrel to complete actuation.



20002-01, -02

Specifications

Construction
Body material: PC
O-ring: EPDM
Protective cap: PP
Peel-away strip: PES

Temperature range:
37 to 104°F (3 to 40°C)
Max pressure: 43.5 psi (3 bar)
Sterilize: gamma irradiation, autoclave

Catalog number	Description	Tube ID	Price/ea
DY-20002-01	Female connector	½" (13 mm)	
DY-20002-02	Male connector		

Plastic Sanitary Couplings

Meet USP Class VI and FDA requirements for food contact



Tapered funnel design reduces “dead space” for exceptionally smooth fluid flow. Smooth inner surface prevents particle entrapment; seamless construction prevents contamination by eliminating leaks and areas of potential bacterial growth. Sterilize by gamma irradiation. Choose from three polymers; order silicone gasket and PVDF push/pull clamp separately below.



Catalog number	Tubing ID	Material	Dimensions			Price
			a	b	Orifice	
SN-31512-00	1/4"	Polypropylene	1 9/16"	3 1/32"	3/16"	
SN-31512-01	3/8"		1 11/16"	3 1/32"	5/16"	
SN-31512-02	1/2"		1 13/16"	3 1/32"	3/8"	
SN-31512-03	1/4"	PVDF	1 9/16"	3 1/32"	3/16"	
SN-31512-04	3/8"		1 11/16"	3 1/32"	5/16"	
SN-31512-05	1/2"		1 13/16"	3 1/32"	3/8"	
SN-31512-06	1/4"	Polysulfone	1 9/16"	3 1/32"	3/16"	
SN-31512-07	3/8"		1 11/16"	3 1/32"	5/16"	
SN-31512-08	1/2"		1 13/16"	3 1/32"	3/8"	

SN-30548-00 Gasket, silicone. Pack of 10.
 SN-31201-88 Push/pull clamp, PVDF.



Animal-Derived Ingredient-Free Polypropylene Sanitary Adapters

No BSE documentation required!

These adapters are the perfect transition from sanitary clamp connections to a barb for flexible tubing. All adapters feature a radiused flow surface controlled to 15 micron Ra to ensure a smooth, uninterrupted flow and no particulate buildup. There are no sharp edges in the flow path, so cleaning is very easy.

Made from animal-derived ingredient-free polypropylene, these adapters offer good chemical resistance and may be sterilized by gamma irradiation. Material meets the requirements for USP Class VI. Available with 3/8" or 1/2" hose barb, and 3/4" mini or 1 1/2" standard sanitary clamp connections. Pair with Cole-Parmer® platinum-cured silicone sanitary gaskets for a connection that is completely free of animal-derived ingredients.



Catalog number	Clamp size	Tubing ID	Dimensions			Price
			a	b	Orifice	
SN-31513-13	1/2"	3/8"	1.64"	0.98"	0.30"	
SN-31513-14	1/2"	1/2"	1.87"	0.98"	0.42"	
SN-31513-15	1 1/2"	1/2"	1.64"	1.99"	0.30"	
SN-31513-16	1 1/2"	1/2"	1.87"	1.99"	0.44"	

SN-30548-00 Gasket, 1/2", platinum-cured silicone. Pack of 10.
 SN-30548-04 Gasket, 1 1/2", platinum-cured silicone. Pack of 10.
 SN-31201-88 Push/pull sanitary mini clamp, PVDF.
 SN-30508-23 Sanitary clamp, 1 1/2", nylon.

MORE information!

Roughness Average (Ra) is the arithmetic mean of the peaks and valleys on the surface of the fitting. The lower the Ra reading, the smoother the surface.



ReSeal® 316L SS Sanitary Couplings

Meet USDA and FDA requirements and 3A Sanitary Standards

Unlike permanent couplers, these couplers can be attached to a length of tubing when the old tubing wears out. Suitable for clean-in-place, steam-in-place, and autoclaving for reuse; compatible with Tri-Clamp® fittings. The internal stem is made of 316L stainless steel with an interior surface finish of 25Ra (roughness average) or better. Fittings also feature an external sleeve made from a high-temperature, high-strength polymer and a PTFE O-ring to protect against any external entrapment. Compression seal eliminates wicking between couplers and tubing. Use with flexible tubing (order on pages 1773-1814). Step-up couplers are available upon request—call our Application Specialists for details.



Coupling 31511-03



Catalog number	Clamp size	Tubing		Compatible with tubings					Price
		ID	OD	Norprene® food grade	PharMed® BPT	Silicone†	Reinforced silicone†	Tygon® food grade	
SN-31511-03	1/4"	1/4"	1/2"	95710-40	96880-12	06411-74	95623-03	—	
SN-31511-07	3/8"	3/8"	5/8"	95710-60	96880-16	06411-79	—	—	
SN-31511-08	3/8"	3/8"	1 1/16"	—	—	—	95623-05	—	
SN-31511-13	1/2"	1/2"	1 3/16"	—	—	—	95623-06	—	
SN-31511-15	3/4"	3/4"	1"	95710-90	96880-22	06411-83	—	95631-28	
SN-31511-16	3/4"	3/4"	1 1/8"	—	—	—	95623-08	—	
SN-31511-20	1"	1"	1 3/8"	—	—	—	95623-10	—	

†Listed silicone tubing is peroxide cured