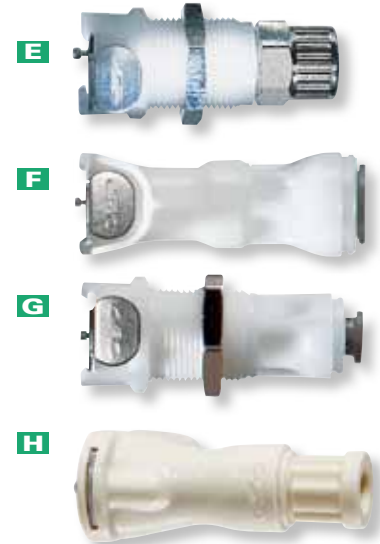
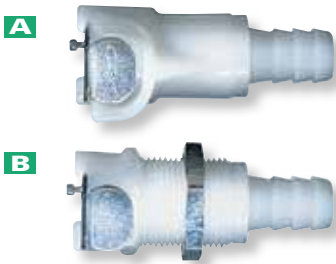


Quick-Disconnect Couplings

Available in acetal or polypropylene construction

- Choose from four styles—hose barb, compression, push-to-connect, and NPT threaded adapter—for either standard in-line or panel-mount configurations

For each complete quick-disconnect fitting, order one body (below) and one insert (page 551) with the same flow size. Plug insert into body to connect fitting—fitting halves lock in place immediately. To disconnect fitting halves, simply press the thumb latch on the coupling body; a spring-operated valve in each fitting half seals the flow path. ("Straight-through" fittings without shutoff valves are also available.) All fitting bodies have 316 stainless steel springs and latches.



Quick-Disconnect Bodies (Female Coupling Halves)

A Hose Barb Bodies

Catalog number	Tube ID	Flow size	Length	Resin	Price/pk of 1
Valved fittings					
TW-06360-19	1/16"	1/8"	1.41"	Acetal	\$ 12.50
TW-06360-20	1/8"	1/8"	1.65"	Acetal	12.25
TW-06360-22	3/16"	1/8"	1.85"	Acetal	11.25
TW-06360-25	1/4"	1/8"	1.85"	Acetal	12.50
TW-06360-65	1/4"	1/4"	1.95"	Acetal	11.75
TW-06360-67	5/16"	1/4"	1.95"	Acetal	11.75
TW-06360-70	3/8"	1/4"	1.95"	Acetal	11.75
TW-06364-19	1/16"	1/8"	1.41"	PP	20.75
TW-06364-20	1/8"	1/8"	1.67"	PP	17.50
TW-06364-25	1/4"	1/8"	1.87"	PP	20.00
TW-06364-65	1/4"	1/4"	1.97"	PP	20.00
TW-06364-70	3/8"	1/4"	1.97"	PP	18.75
Straight-through fittings					
TW-06361-09	1/16"	1/8"	1.41"	Acetal	13.75
TW-06361-11	1/8"	1/8"	1.65"	Acetal	10.75
TW-06361-12	3/16"	1/8"	1.85"	Acetal	9.40
TW-06361-13	1/4"	1/8"	1.85"	Acetal	10.75
TW-06361-51	1/4"	1/4"	1.95"	Acetal	10.75
TW-06361-52	5/16"	1/4"	1.95"	Acetal	10.50
TW-06361-53	3/8"	1/4"	1.95"	Acetal	10.75

B Panel-Mount Hose Barb Bodies

Catalog number	Tube ID	Flow size	Thread	Resin	Price/pk of 1
Valved fittings					
TW-06360-09	1/16"	1/8"	1/2-24	Acetal	\$20.00
TW-06360-10	1/8"	1/8"	1/2-24	Acetal	17.50
TW-06360-12	3/16"	1/8"	1/2-24	Acetal	17.50
TW-06360-15	1/4"	1/8"	1/2-24	Acetal	17.50
TW-06360-55	1/4"	1/4"	11/16-24	Acetal	22.50
TW-06360-57	5/16"	1/4"	11/16-24	Acetal	26.00
TW-06360-60	3/8"	1/4"	11/16-24	Acetal	22.50
TW-06364-09	1/16"	1/8"	1/2-24	PP	22.00
TW-06364-10	1/8"	1/8"	1/2-24	PP	17.50
TW-06364-15	1/4"	1/8"	1/2-24	PP	20.75
TW-06364-55	1/4"	1/4"	11/16-24	PP	22.00
TW-06364-60	3/8"	1/4"	11/16-24	PP	23.25
Straight-through fittings					
TW-06361-03	1/16"	1/8"	1/2-24	Acetal	17.00
TW-06361-04	1/8"	1/8"	1/2-24	Acetal	15.75
TW-06361-05	3/16"	1/8"	1/2-24	Acetal	15.75
TW-06361-06	1/4"	1/8"	1/2-24	Acetal	18.75
TW-06361-46	1/4"	1/4"	11/16-24	Acetal	20.00
TW-06361-47	5/16"	1/4"	11/16-24	Acetal	22.00
TW-06361-48	3/8"	1/4"	11/16-24	Acetal	18.75

C NPT(M) Threaded Adapter Bodies

Catalog number	NPT(M)	Flow size	Resin	Price/pk of 1
Valved fittings				
TW-06359-70	1/8"	1/8"	Acetal	\$ 12.50
TW-06359-71	1/4"	1/8"	Acetal	12.50
TW-06359-72	1/4"	1/4"	Acetal	11.00
TW-06359-73	3/8"	1/4"	Acetal	11.00
TW-06359-80	1/8"	1/8"	PP	12.50
TW-06359-81	1/4"	1/8"	PP	13.25
TW-06359-82	1/4"	1/4"	PP	13.75
TW-06359-83	3/8"	1/4"	PP	18.25
Straight-through fittings				
TW-06361-00	1/8"	1/8"	Acetal	9.10
TW-06361-01	1/4"	1/8"	Acetal	9.10
TW-06361-42	1/4"	1/4"	Acetal	14.50
TW-06361-43	3/8"	1/4"	Acetal	11.00

D Compression Bodies

Catalog number	Tube OD	Flow size	Length	Resin	Price/pk of 1
Valved fittings					
TW-06360-98	1/4"	1/8"	1.73"	Acetal	\$ 12.25
TW-06359-90	1/4"	1/4"	1.82"	Acetal	19.50
TW-06359-91	3/8"	1/4"	1.95"	Acetal	16.25
TW-06364-90	1/4"	1/8"	1.74"	PP	17.50
TW-06364-91	3/8"	1/4"	1.97"	PP	22.50
Straight-through fittings					
TW-06361-08	1/4"	1/8"	1.73"	Acetal	10.75
TW-06361-49	3/8"	1/4"	1.95"	Acetal	18.75

E Panel-Mount Compression Bodies

Catalog number	Tube OD	Flow size	Thread	Resin	Price/pk of 1
Valved fittings					
TW-06360-05	1/4"	1/8"	1/2-24	Acetal	\$17.50
TW-06360-49	1/4"	1/4"	11/16-24	Acetal	20.00
TW-06360-50	3/8"	1/4"	11/16-24	Acetal	20.00
TW-06364-05	1/4"	1/8"	1/2-24	PP	22.00
TW-06364-50	3/8"	1/4"	11/16-24	PP	23.75
Straight-through fittings					
TW-06361-02	1/4"	1/8"	1/2-24	Acetal	20.00
TW-06361-44	1/4"	1/4"	11/16-24	Acetal	25.00
TW-06361-45	3/8"	1/4"	11/16-24	Acetal	26.00

Specifications

Body material	Acetal	Polypropylene (PP)
Seal material	Buna N	EPR
Max temp	180°F (82°C)	160°F (71°C)
Max pressure at 70°F (21°C)	120 psi	100 psi
Max vacuum	28" Hg	28" Hg
Sterilization	Autoclave or ETO	Gamma or ETO

F Push-to-Connect Bodies

Catalog number	Tube OD	Flow size	Length	Resin	Price/pk of 1
Valved fittings					
TW-31304-00	1/4"	1/4"	1.95"	Acetal	\$21.25
TW-31304-02	3/8"	1/4"	2.08"	Acetal	21.25
Straight-through fittings					
TW-31304-10	1/4"	1/4"	1.95"	Acetal	23.25
TW-31304-12	3/8"	1/4"	2.08"	Acetal	20.00

G Panel-Mount Push-to-Connect Bodies

Catalog number	Tube OD	Flow size	Length	Resin	Price/pk of 1
Valved fitting					
TW-31304-50	1/4"	1/4"	1.95"	Acetal	\$22.00
Straight-through fitting					
TW-31304-40	1/4"	1/4"	1.95"	Acetal	18.75

H 1/4-28 Flat-Bottom Port Valved Bodies

Catalog number	UNF (F)	Flow size	Length	Resin	Price/pk of 1
In-line body					
TW-06368-69	1/4-28	1/8"	1.57"	PP	\$17.50
Panel-mount body					
TW-06368-70	1/4-28	1/8"	1.57"	PP	19.50

Fittings

Quick-Disconnect, Standard Inserts



Quick-Disconnect Inserts

(Male Coupling Halves)

I Hose Barb Inserts

Catalog number	Tube ID	Flow size	Length	Resin	Price/pk of 1
Valved fittings					
TW-06360-36	1/16"	1/8"	1.35"	Acetal	\$ 14.50
TW-06360-40	1/8"	1/8"	1.55"	Acetal	12.25
TW-06360-43	3/16"	1/8"	1.75"	Acetal	12.25
TW-06360-45	1/4"	1/8"	1.58"	Acetal	11.00
TW-06360-80	1/4"	1/4"	1.86"	Acetal	11.25
TW-06360-83	5/16"	1/4"	1.86"	Acetal	11.25
TW-06360-85	3/8"	1/4"	1.86"	Acetal	11.25
TW-06364-38	1/16"	1/8"	1.35"	PP	21.25
TW-06364-40	1/8"	1/8"	1.55"	PP	13.75
TW-06364-45	1/4"	1/8"	1.58"	PP	16.25
TW-06364-80	1/4"	1/4"	1.86"	PP	13.25
TW-06364-85	3/8"	1/4"	1.67"	PP	17.50
Straight-through fittings					
TW-06360-38	1/16"	1/8"	0.80"	Acetal	5.00
TW-06360-42	1/8"	1/8"	1.05"	Acetal	4.10
TW-06360-44	3/16"	1/8"	1.25"	Acetal	3.75
TW-06360-47	1/4"	1/8"	1.25"	Acetal	3.75
TW-06360-82	1/4"	1/4"	1.35"	Acetal	3.45
TW-06360-84	5/16"	1/4"	1.35"	Acetal	3.45
TW-06360-87	3/8"	1/4"	1.35"	Acetal	3.75
TW-06364-39	1/16"	1/8"	0.80"	PP	8.15
TW-06364-42	1/8"	1/8"	1.05"	PP	6.25
TW-06364-47	1/4"	1/8"	1.25"	PP	7.50
TW-06364-82	1/4"	1/4"	1.35"	PP	5.95
TW-06364-87	3/8"	1/4"	1.35"	PP	5.95

J Panel-Mount Hose Barb Inserts

Catalog number	Tube ID	Flow size	Length	Resin	Price/pk of 1
Valved fittings					
TW-06361-33	1/16"	1/8"	1.38"	Acetal	\$19.50
TW-06361-34	1/8"	1/8"	1.63"	Acetal	14.50
TW-06361-35	3/16"	1/8"	1.83"	Acetal	17.50
TW-06361-36	1/4"	1/8"	1.83"	Acetal	13.75
TW-06361-71	1/4"	1/4"	1.91"	Acetal	22.00
TW-06361-72	5/16"	1/4"	1.91"	Acetal	17.50
TW-06361-73	3/8"	1/4"	1.91"	Acetal	20.75
TW-06361-92	1/4"	1/4"	1.91"	PP	18.75
TW-06361-93	3/8"	1/4"	1.91"	PP	25.00
Straight-through fittings					
TW-06361-21	1/16"	1/8"	1.38"	Acetal	12.50
TW-06361-22	1/8"	1/8"	1.63"	Acetal	10.75
TW-06361-23	3/16"	1/8"	1.83"	Acetal	11.00
TW-06361-24	1/4"	1/8"	1.83"	Acetal	13.25
TW-06361-58	1/4"	1/4"	1.91"	Acetal	9.40
TW-06361-59	5/16"	1/4"	1.91"	Acetal	11.00
TW-06361-61	3/8"	1/4"	1.91"	Acetal	10.75
TW-06361-82	1/4"	1/4"	1.91"	PP	13.75
TW-06361-83	3/8"	1/4"	1.91"	PP	14.50

K Hose Barb Elbow Inserts

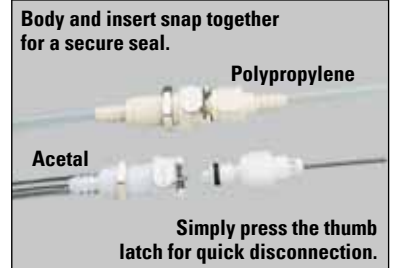
Catalog number	Tube ID	Flow size	Length	Resin	Price/pk of 1
Valved fittings					
TW-06361-39	1/16"	1/8"	1.09"	Acetal	\$ 14.50
TW-06361-41	1/4"	1/8"	1.09"	Acetal	14.50
TW-06361-75	1/4"	1/4"	1.22"	Acetal	15.75
TW-06361-76	3/8"	1/4"	1.22"	Acetal	15.75
TW-06361-98	1/8"	1/8"	1.09"	PP	20.75
TW-06361-99	1/4"	1/8"	1.09"	PP	17.00
TW-06362-00	1/4"	1/4"	1.21"	PP	17.00
TW-06362-01	3/8"	1/4"	1.21"	PP	19.50
Straight-through fittings					
TW-06361-27	1/8"	1/8"	0.85"	Acetal	8.75
TW-06361-28	1/4"	1/8"	1.00"	Acetal	10.75
TW-06361-63	1/4"	1/4"	1.10"	Acetal	10.75
TW-06361-64	3/8"	1/4"	1.20"	Acetal	10.75
TW-06361-85	1/8"	1/8"	1.09"	PP	12.50
TW-06361-86	1/4"	1/8"	1.09"	PP	12.50
TW-06361-87	1/4"	1/4"	1.21"	PP	11.75
TW-06361-88	3/8"	1/4"	1.21"	PP	17.00

L NPT(M) Threaded Adapter Inserts

Catalog number	NPT(M)	Flow size	Resin	Price/pk of 1
Valved fittings				
TW-06361-29	1/8"	1/8"	Acetal	\$ 11.00
TW-06361-31	1/4"	1/8"	Acetal	13.25
TW-06361-65	1/4"	1/4"	Acetal	11.75
TW-06361-66	3/8"	1/4"	Acetal	11.75
TW-06361-89	1/8"	1/8"	PP	24.50
TW-06361-91	1/4"	1/4"	PP	15.75
Straight-through fittings				
TW-06361-17	1/8"	1/8"	Acetal	5.95
TW-06361-18	1/4"	1/8"	Acetal	4.10
TW-06361-54	1/4"	1/4"	Acetal	5.95
TW-06361-55	3/8"	1/4"	Acetal	5.95
TW-06361-79	1/8"	1/8"	PP	7.85
TW-06361-81	1/4"	1/4"	PP	10.75

M Compression Inserts

Catalog number	Tube OD	Flow size	Length	Resin	Price/pk of 1
Valved fittings					
TW-06360-30	1/4"	1/8"	1.45"	Acetal	\$ 12.00
TW-06360-35	3/8"	1/8"	1.40"	Acetal	17.00
TW-06360-74	1/4"	1/4"	1.75"	Acetal	12.00
TW-06360-75	3/8"	1/4"	1.68"	Acetal	12.00
TW-06364-30	1/4"	1/8"	1.45"	PP	14.50
TW-06364-75	3/8"	1/4"	1.68"	PP	19.50
Straight-through fittings					
TW-06360-32	1/4"	1/8"	1.15"	Acetal	8.15
TW-06360-37	3/8"	1/8"	1.30"	Acetal	9.70
TW-06360-76	1/4"	1/4"	1.25"	Acetal	8.75
TW-06360-77	3/8"	1/4"	1.38"	Acetal	7.20
TW-06364-32	1/4"	1/8"	1.15"	PP	7.85
TW-06364-77	3/8"	1/4"	1.38"	PP	10.75



N Panel-Mount Compression Inserts

Catalog number	Tube OD	Flow size	Length	Resin	Price/pk of 1
Valved fittings					
TW-06361-32	1/4"	1/8"	1.70"	Acetal	\$17.50
TW-06361-68	1/4"	1/4"	1.78"	Acetal	20.75
TW-06361-69	3/8"	1/4"	1.91"	Acetal	17.00
Straight-through fittings					
TW-06361-19	1/4"	1/8"	1.70"	Acetal	15.00
TW-06361-56	1/4"	1/4"	1.78"	Acetal	15.00
TW-06361-57	3/8"	1/4"	1.91"	Acetal	14.50

O Compression Elbow Inserts

Catalog number	Tube OD	Flow size	Length	Resin	Price/pk of 1
Valved fittings					
TW-06361-38	1/4"	1/8"	1.20"	Acetal	\$17.50
TW-06361-74	3/8"	1/4"	1.22"	Acetal	15.75
TW-06361-96	1/4"	1/8"	1.09"	PP	25.00
TW-06361-97	3/8"	1/4"	1.22"	PP	24.50
Straight-through fittings					
TW-06361-26	1/4"	1/8"	1.17"	Acetal	12.50
TW-06361-62	3/8"	1/4"	1.22"	Acetal	12.25
TW-06361-84	3/8"	1/4"	1.29"	PP	15.75

P Standard Push-to-Connect Inserts

Catalog number	Tube OD	Flow size	Length	Resin	Price/pk of 1
Valved fittings					
TW-31304-30	1/4"	1/4"	1.81"	Acetal	\$18.75
TW-31304-32	3/8"	1/4"	1.96"	Acetal	18.75
Straight-through fittings					
TW-31304-20	1/4"	1/4"	1.35"	Acetal	11.00
TW-31304-22	3/8"	1/4"	1.48"	Acetal	15.75

Q Panel-Mount Push-to-Connect Inserts

Catalog number	Tube OD	Flow size	Thread	Resin	Price/pk of 1
Valved fitting					
TW-31304-70	1/4"	1/4"	1 1/16-24	Acetal	\$25.00
Straight-through fitting					
TW-31304-60	1/4"	1/4"	1 1/16-24	Acetal	20.75

R 1/4-28 Flat-Bottom Port Panel-Mount Valved Insert

Catalog number	UNF (F)	Flow size	Length	Resin	Price/pk of 1
TW-06368-71	1/4-28	1/8"	1.55"	PP	\$19.50

CPC Plastic Quick-Disconnect Fittings

100 percent metal-free flow path on select models!

- Acetal fittings are ideal for use with corrosive fluids
- Polycarbonate and polysulfone materials meet USP Class VI requirements

Simply press the thumb latch to disconnect coupling halves. Polycarbonate and polysulfone materials meet USP Class VI requirements and pass all physicochemical, cytotoxicity, leachables, and extractables tests. Certificate of Compliance is available for polycarbonate and polysulfone fittings on this page. Order complete couplings or separate bodies and inserts from the tables below. **Note:** Standard bodies and inserts fit together; won't work with large bodies and inserts and vice versa. For one complete coupling, order one fitting body and one insert. As an alternative, complete couplings are available below.

FREE certificate of compliance is available for PC and PSF fittings on this page.

See page 509.

Specifications

Body material	Acetal	Polycarbonate (PC)	Polysulfone (PSF)
Temperature range	-40 to 180°F (-40 to 82°C)	-40 to 250°F (-40 to 121°C)	-40 to 300°F (-40 to 148°C)
Max pressure	120 psi (8.3 bar)	125 psi [†] (8.6 bar)	120 psi (8.6 bar)
Max vacuum	28" Hg (711.2 torr)	25" Hg (635 torr)	25" Hg (635 torr)
Sterilization	Autoclave or ETO	Autoclave, ETO, or gamma irradiation	Autoclave, ETO, or gamma irradiation

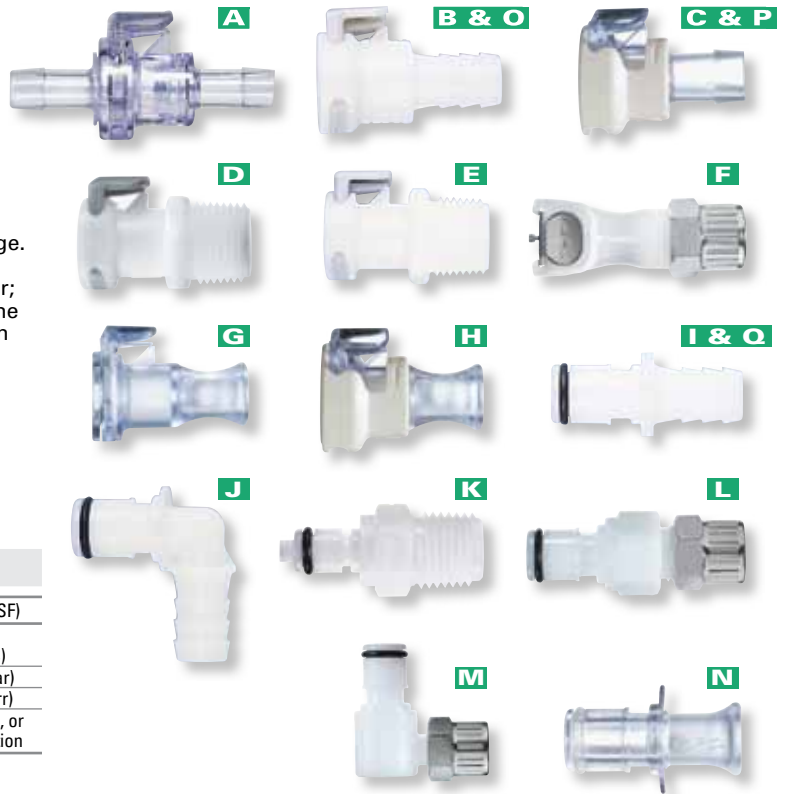
[†]Max pressure for 1/2" polycarbonate fittings is 60 psi.

Complete Couplings

Key	Catalog number	Size	Material	Length	Qty/pk	Price/pk
A	TW-06360-90	1/4" tubing ID	Acetal	—	10	\$51.50
	TW-31305-00		PC	—	10	66.50
	TW-06360-91	3/8" tubing ID	Acetal	—	10	50.00
	TW-31305-05		PC	—	10	66.50
	TW-31306-05		PSF	—	10	107.00

Standard Bodies and Caps

Key	Catalog number	Size	Material	Length	Qty/pk	Price/pk
Barbed bodies						
B	TW-06360-94	1/4" tubing ID	Acetal	1.31"	10	\$40.00
	TW-31311-11		PC		5	24.50
	TW-31311-21		PSF		5	31.50
	TW-06360-95	3/8" tubing ID	Acetal		10	39.00
	TW-31311-12		PC		5	24.50
	TW-31311-22		PSF		5	31.50
Hose barb coupling bodies with lock						
C	TW-31311-16	1/4" tubing ID	PC	1.31"	5	34.00
	TW-31311-26		PSF		5	71.50
	TW-31311-17	3/8" tubing ID	PC		5	34.00
	TW-31311-27		PSF		5	74.00
BSP straight-through bodies						
D	TW-06360-01	1/4" BSP	Acetal	1.31"	10	56.00
	TW-06360-02	3/8" BSP			10	58.50
NPT(M) bodies						
E	TW-06360-00	1/4" NPT	Acetal	1.31"	10	44.00
	TW-06360-96	3/8" NPT			10	44.00
Compression coupling bodies						
F	TW-06360-06	1/4" OD	Acetal	1.31"	10	138.00
	TW-06360-08	3/8" OD			10	132.00
Sealing caps						
G	TW-31311-64	1/4"	PC	1.31"	5	23.25
	TW-31311-74	1/4"	PSF		5	51.50
Sealing caps with lock						
H	TW-31311-67	1/4"	PC	1.31"	5	49.00
	TW-31311-77	1/4"	PSF		5	56.00



Standard Inserts and Plugs

Key	Catalog number	Size	Material	Length	Qty/pk	Price/pk
Barbed inserts						
I	TW-06360-92	1/4" tubing ID	Acetal	1.28"	10	\$18.25
	TW-31311-61		PC		5	24.50
	TW-31311-71		PSF		5	22.50
	TW-06360-93	3/8" tubing ID	Acetal		10	18.25
	TW-31311-62		PC		5	24.50
	TW-31311-72		PSF		5	22.50
BSP straight-through bodies						
J	TW-06360-27	1/4" BSP	Acetal	1.28"	10	34.00
	TW-06360-97	3/8" BSP			10	31.50
NPT(M) inserts						
K	TW-06360-16	1/4" NPT	Acetal	1.28"	10	23.25
	TW-06360-18	3/8" NPT			10	42.50
Compression coupling bodies						
L	TW-06360-21	1/4" OD	Acetal	1.28"	10	70.00
	TW-06360-24	3/8" OD			10	62.00
Compression elbow bodies						
M	TW-06360-31	1/4" OD	Acetal	1.28"	10	108.00
	TW-06360-34	3/8" OD			10	112.00
Plugs with lock						
N	TW-31311-68	1/4"	PC	1.20"	5	24.50
	TW-31311-78	1/4"	PSF		5	31.50

Large Bodies and Inserts (use these bodies and inserts together)

Key	Catalog number	Size	Material	Length	Qty/pk	Price/pk
Barbed bodies						
O	TW-31311-13	1/2" tubing ID	PC	1.96"	5	\$25.00
	TW-31311-23		PSF		5	66.50
Hose barb coupling bodies with lock						
P	TW-31311-18	3/8" tubing ID	PC	1.96"	5	76.00
	TW-31311-28		PSF		5	64.00
Barbed inserts						
Q	TW-31311-63	1/2" tubing ID	PC	1.90"	5	23.75
	TW-31311-73		PSF	1.40"	5	56.00

CPC High-Flow Quick-Disconnect Couplings

Valved models offer automatic flow shutoff

A complete quick-disconnect fitting consists of a body and an insert (order fitting halves separately). Plug insert into coupling body to connect—fitting halves lock into place immediately. To disconnect fitting halves, simply press the button on the coupling body.

Valved models have a spring-operated 316 SS valve that seals the flow path when fitting halves are disengaged. All fitting bodies have 316 SS latch springs and EPDM seals.

Specifications

	Polypropylene	Polysulfone
Body material	Polypropylene	Polysulfone
Temperature range	0 to 71°C (32 to 160°F)	-40 to 137°C (-40 to 280°F)
Max pressure	60 psi (4.14 bar)	125 psi (8.62 bar)
Max vacuum	27.5" Hg (698.5 torr)	27.5" Hg (698.5 torr)
Sterilisation	ETO or gamma	Autoclave, ETO, or gamma



Quick-Disconnect Bodies (Female Coupling Halves)

A Threaded Adapter Bodies

Flow size	NPT(M)	Polypropylene		Polysulfone	
		Cat. no.	Price/pk of 1	Cat. no.	Price/pk of 1
Valved fittings					
3/8"	3/8"	TW-31303-00	\$20.00	TW-31307-00	\$24.50
3/8"	1/2"	TW-31303-01	20.00	TW-31307-01	24.50
3/8"	3/4"	TW-31303-02	20.75	TW-31307-02	24.50
Straight-through fittings					
3/8"	3/8"	TW-31303-05	17.50	TW-31307-05	24.50
3/8"	1/2"	TW-31303-06	17.50	TW-31307-06	24.50
3/8"	3/4"	TW-31303-07	20.00	TW-31307-07	23.75

B Hose Barb Bodies

Flow size	Tube ID	Polypropylene		Polysulfone	
		Cat. no.	Price/pk of 1	Cat. no.	Price/pk of 1
Valved fittings					
3/8"	3/8"	TW-31303-10	\$20.00	TW-31307-10	\$24.50
3/8"	1/2"	TW-31303-11	20.00	TW-31307-11	24.50
3/8"	5/8"	TW-31303-12	24.50	TW-31307-12	29.00
3/8"	3/4"	TW-31303-13	20.00	TW-31307-13	24.50
Straight-through fittings					
3/8"	3/8"	TW-31303-15	18.75	TW-31307-15	21.25
3/8"	1/2"	TW-31303-16	18.75	TW-31307-16	21.25
3/8"	5/8"	TW-31303-17	23.25	TW-31307-17	22.00
3/8"	3/4"	TW-31303-18	22.50	TW-31307-18	30.00

C Bulkhead Panel Mount Hose Barb Bodies

Flow size	Tube ID	Polypropylene		Polysulfone	
		Cat. no.	Price/pk of 1	Cat. no.	Price/pk of 1
Valved fittings					
3/8"	3/8"	TW-31303-20	\$26.00	TW-31307-20	\$32.50
3/8"	1/2"	TW-31303-21	26.00	TW-31307-21	39.00
3/8"	5/8"	TW-31303-22	32.50	TW-31307-22	34.00
3/8"	3/4"	TW-31303-23	32.50	TW-31307-23	45.00
Straight-through fittings					
3/8"	3/8"	TW-31303-25	25.00	TW-31307-25	24.50
3/8"	1/2"	TW-31303-26	25.00	TW-31307-26	30.00
3/8"	5/8"	TW-31303-27	30.00	TW-31307-27	28.50
3/8"	3/4"	TW-31303-28	26.00	TW-31307-28	30.00



Quick-Disconnect Inserts (Male Coupling Halves)

D Male Threaded Inserts

Flow size	NPT(M)	Polypropylene		Polysulfone	
		Cat. no.	Price/pk of 1	Cat. no.	Price/pk of 1
Valved fittings					
3/8"	3/8"	TW-31303-35	\$ 15.00	TW-31307-35	\$20.00
3/8"	1/2"	TW-31303-36	15.00	TW-31307-36	19.50
3/8"	3/4"	TW-31303-37	17.50	TW-31307-37	20.00
Straight-through fittings					
3/8"	3/8"	TW-31303-30	8.45	TW-31307-30	14.50
3/8"	1/2"	TW-31303-31	8.45	TW-31307-31	11.25
3/8"	3/4"	TW-31303-32	10.00	TW-31307-32	14.50

E Hose Barb Inserts

Flow size	Tube ID	Polypropylene		Polysulfone	
		Cat. no.	Price/pk of 1	Cat. no.	Price/pk of 1
Valved fittings					
3/8"	3/8"	TW-31303-45	\$17.00	TW-31307-45	\$18.75
3/8"	1/2"	TW-31303-46	17.00	TW-31307-46	18.75
3/8"	5/8"	TW-31303-47	20.75	TW-31307-47	23.25
3/8"	3/4"	TW-31303-48	17.00	TW-31307-48	18.75
Straight-through fittings					
3/8"	3/8"	TW-31303-40	8.45	TW-31307-40	10.50
3/8"	1/2"	TW-31303-41	8.45	TW-31307-41	10.00
3/8"	5/8"	TW-31303-42	8.75	TW-31307-42	10.75
3/8"	3/4"	TW-31303-43	8.45	TW-31307-43	12.25

F Elbow Hose Barb Inserts

Flow size	Tube ID	Polypropylene		Polysulfone	
		Cat. no.	Price/pk of 1	Cat. no.	Price/pk of 1
Valved fittings					
3/8"	3/8"	TW-31303-55	\$18.75	TW-31307-55	\$21.25
3/8"	1/2"	TW-31303-56	18.75	TW-31307-56	21.25
Straight-through fittings					
3/8"	3/8"	TW-31303-50	11.00	TW-31307-50	16.25
3/8"	1/2"	TW-31303-51	11.00	TW-31307-51	15.75

CPC Miniature Quick-Disconnect Couplings

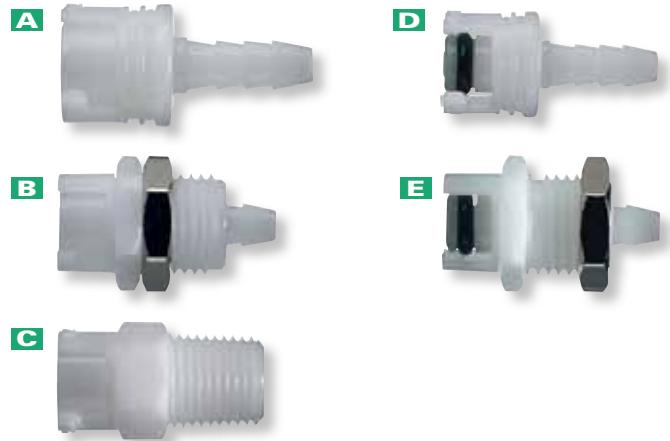
Able to handle 1/16" inner-diameter tubing, these fittings offer a more secure connection alternative to luer fittings. Fittings halves engage and seal with a twist. Once engaged, the coupling allows the tubing to rotate freely to help prevent kinked tubing and accidental disconnections.

For a complete coupling, order one fitting body and one insert. As an alternative, complete couplings are available below.

Note: All acetal fittings on this page are available in black as well as natural white. Please contact an Application Specialist for more information.

Find MORE!

Flexible tubing is available in sizes from 0.19 mm ID to 1 1/2" ID. For our complete selection of tubing, see pages 1823-1829.



Specifications

Body material	Acetal	Brass	Polypropylene (PP)	Polycarbonate (PC)
Color	Natural white	Chrome and black	Almond	Purple tint
Locking sleeve	Acetal	Acetal	Acetal	Polycarbonate
Valve	Acetal	Acetal	Acetal	Acetal
Valve spring	316 SS	316 SS	316 SS	316 SS
O-ring	Buna N	Buna N	EPDM	Buna N
Temperature range	-40 to 180°F (-40 to 82°C)	-40 to 180°F (-40 to 82°C)	32 to 180°F (0 to 82°C)	-40 to 160°F (-40 to 71°C)



Fitting Bodies (Female Fitting Halves)

A Hose Barb Bodies

Catalog number	Tube ID	Length	Material	Price/pk of 10
Valved fittings				
TW-06363-55	1/16"	0.90"	Acetal	\$138.00
TW-06363-61	3 mm	1.00"		123.00
TW-06363-57	1/8"	0.90"		110.00
Straight-through fittings				
TW-06363-54	1/16"	0.75"	Acetal	26.00
TW-06363-59	3 mm	1.00"		44.00
TW-06363-56	1/8"	0.90"		22.50
TW-06363-62	1/16"	0.75"	PP	27.50
TW-06363-86	1/8"	0.90"	PC	45.00

B Panel-Mount Hose Barb Bodies

Catalog number	Tube ID	Length	Material	Price/pk of 10
Valved fittings				
TW-06363-67	1/16"	0.90"	Acetal	\$188.00
TW-06363-63	3 mm	1.00"		150.00
TW-06363-69	1/8"	0.90"		188.00
Straight-through fittings				
TW-06363-66	1/16"	0.75"	Acetal	58.50
TW-06363-68	1/8"	1.00"		47.50
TW-06363-78	1/8"	0.90"		61.00
TW-06363-76	1/16"	0.75"	PP	65.00
TW-06363-97	3 mm	0.75"	PC	50.00

C Threaded Adapter Bodies

Catalog number	NPT (M)	Length	Material	Price/pk of 10
Valved fittings				
TW-06363-75	1/8"	0.86"	Acetal	\$132.00
Straight-through fittings				
TW-06363-66	1/8"	0.86"	Acetal	58.50
TW-06363-76	1/8"	0.86"	PP	65.00

Fitting Inserts (Male Fitting Halves)

D Hose Barb Inserts

Catalog number	Tube ID	Length	Material	Price/pk of 10
Straight-through fittings				
TW-06363-50	1/16"	0.75"	Acetal	\$45.00
TW-06363-65	3 mm	0.80"		32.50
TW-06363-52	1/8"	0.90"		23.75
TW-06363-77	1/8"	0.90"	Brass	150.00
TW-06363-58	1/16"	0.75"	PP	36.50
TW-06363-60	1/8"	0.90"		35.00
TW-06363-83	1/16"	0.75"		47.50
TW-06363-84	1/8"	0.90"	PC	47.50

E Panel-Mount Hose Barb Inserts

Catalog number	Tube ID	Length	Material	Price/pk of 10
Straight-through fittings				
TW-06363-70	1/16"	0.75"	Acetal	\$61.00
TW-06363-71	3 mm	0.80"		54.50
TW-06363-72	1/8"	0.90"		61.00
TW-06363-81	1/8"	0.90"	Brass	144.00
TW-06363-82	1/8"	0.90"	PP	69.00
TW-06363-80	1/16"	0.75"		69.00

Hose Barb Complete Couplings (not shown)

Catalog number	Tube ID	Length	Material	Price/pk of 10
Valved fittings				
TW-06363-87	1/16"	1.46"	Acetal	\$188.00
TW-06363-96	3 mm	1.62"		182.00
TW-06363-92	1/8"	1.61"		188.00
Straight-through fittings				
TW-06363-88	1/16"	1.32"	Acetal	65.00
TW-06363-95	3 mm	1.62"		66.50
TW-06363-91	1/8"	1.61"		67.50
TW-06363-89	1/16"	1.32"	PP	86.50
TW-06363-93	1/8"	1.61"		81.50
TW-06363-90	1/16"	1.32"	PC	82.50
TW-06363-94	1/8"	1.61"		94.00

CPC Non-Spill Quick-Disconnect Couplings

As little as 0.025 mL spillage

The patented design of these non-spill series of couplings ensure minimal leaks and air inclusions in your process line—protects process purity and minimizes loss due to accidental disconnects. The NS2 series non-spill couplings feature a twist-to-connect design for worry-free fit. The NS4 and NS6 series non-spill couplings confirm secure engagement with an audible click. Choose one body and one insert, each from the same coupling series (NS2, NS4, or NS6) for a fitting that will work in multiple applications.

Specifications

Series	NS2	NS4	NS6
Body material	Glass-filled polypropylene		
O-ring material	EPDM		
Temp range	32 to 120°F (0 to 49°C)	32 to 160°F (0 to 71°C)	
Max pressure	45 psi (3.1 bar)	120 psi (8.3 bar)	
Max flow	3.75 GPM (14.2 LPM)	3.75 GPM (14.2 LPM)	13.0 GPM (49.2 LPM)
Spillage	<0.025 mL	<0.10 mL	<0.3 mL

Bodies (Female coupling halves)

Catalog number	Series	Size	Price
In-line barbed bodies			
TW-31604-50	NS2	1/8" ID	\$ 9.70
TW-31604-51	NS2	1/4" ID	11.75
TW-31603-21	NS4	1/8" ID	19.50
TW-31603-23	NS4	1/4" ID	19.50
TW-31603-31	NS4	3/8" ID	19.50
TW-31603-22	NS6	3/8" ID	27.50
TW-31603-24	NS6	1/2" ID	27.50
Panel-mount barbed bodies			
TW-31604-52	NS2	1/8" ID	17.00
TW-31604-53	NS2	1/4" ID	17.00
In-line compression bodies			
TW-31604-54	NS2	1/4" OD	13.25
TW-31603-25	NS4	3/8" OD	26.00
TW-31603-20	NS6	1/2" OD	32.50
Panel-mount compression bodies			
TW-31604-55	NS2	1/4" OD	17.50
Threaded bodies			
TW-31604-56	NS2	1/8" NPT	11.75
TW-31603-27	NS4	1/4" NPT	23.25
TW-31603-26	NS6	1/2" NPT	24.50



Inserts (Male coupling halves)

Catalog number	Series	Size	Price
In-line barbed inserts			
TW-31604-57	NS2	1/8" ID	\$ 9.40
TW-31604-58	NS2	1/4" ID	11.75
TW-31603-38	NS4	1/8" ID	14.50
TW-31603-40	NS4	1/4" ID	14.50
TW-31603-35	NS4	3/8" ID	14.50
TW-31603-32	NS6	3/8" ID	20.75
TW-31603-34	NS6	1/2" ID	29.00
Panel-mount barbed inserts			
TW-31603-42	NS4	1/8" ID	21.25
TW-31603-44	NS4	1/4" ID	21.25
TW-31603-46	NS4	3/8" ID	30.00
TW-31604-51	NS6	3/8" ID	11.75
TW-31603-48	NS6	1/2" ID	23.75
In-line compression inserts			
TW-31604-59	NS2	1/4" OD	12.50
TW-31603-49	NS4	3/8" OD	19.50
TW-31603-30	NS6	1/2" OD	25.00
Panel-mount compression inserts			
TW-31603-47	NS4	3/8" OD	23.75
TW-31603-45	NS6	1/2" OD	35.00
Threaded inserts			
TW-31604-60	NS2	1/8" NPT	12.50
TW-31603-29	NS4	1/4" NPT	14.50
TW-31603-36	NS6	1/2" NPT	20.75

TW-31603-61 Optional panel-mount gasket, EPDM; for NS2 series \$72.50

TW-31603-18 Optional panel-mount gasket, EPDM; for NS4 series \$12.25

TW-31603-19 Optional panel-mount gasket, EPDM; for NS6 series \$13.25

CPC Polysulfone Quick-Disconnect Couplings

USP Class VI compliant

- Automatic shutoff valves
- BSE/TSE-free material

For a complete quick-disconnect fitting, order both a body and insert separately below. Body and seal materials are made of USP Class VI-compliant and BSE/TSE-free materials. An audible click when the body and insert are coupled confirms a secure, leak-free connection. The automatic shutoff valve closes off the flow path at disconnection, protecting valuable media while eliminating the need for pinch clamps. Thumb latch enables easy one-handed operation.

Specifications

Body material	Polysulfone
O-ring material	Silicone, platinum-cured
Valve spring	316 stainless steel
Temperature range	-40 to 280°F (-40 to 138°C)
Pressure range	Vacuum to 125 psi (8.62 bar)
Sterilization	Autoclave or gamma irradiation

A Hose Barb Bodies

Catalog number	Tubing ID	Price/pk of 10
TW-31313-01	1/4"	\$288.00
TW-31313-02	3/8"	250.00
TW-31313-03	1/2"	288.00

B Hose Barb Inserts

Catalog number	Tubing ID	Price/pk of 10
TW-31313-21	1/4"	\$207.00
TW-31313-22	3/8"	194.00
TW-31313-23	1/2"	207.00



Fittings

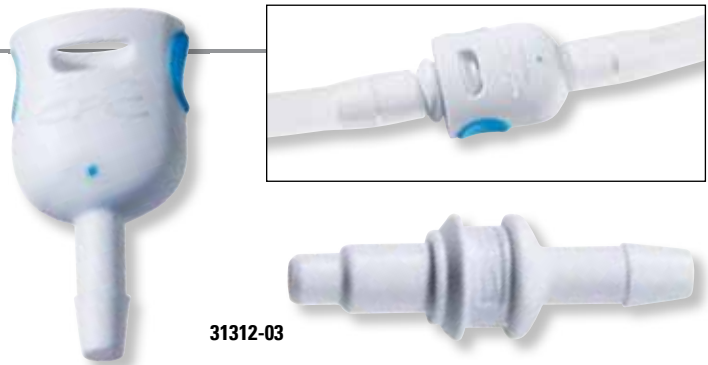
Quick-Disconnect, SRC / SnapQuik / Side Latch

CPC Quick-Click SRC Connectors

The quick-click SRC connectors eliminate the potential for mistakenly mating with a luer line, making it easier to manage multiple connections. To mate, simply press the insert into the body; an audible click confirms a secure connection. The innovative design allows the insert to rotate inside the coupling body, even when engaged, to prevent accidental disconnects or kinked tubing. The coupling is made from medical-grade polypropylene, meets the stringent requirements of USP Class VI, and passes all MEM elution, agarose overlay, hemolysis in vitro, and USP physicochemical tests.

Specifications

Body material	Polypropylene
Seal material	USP Class VI overmolded thermoplastic elastomer (TPE)
Temp range	32 to 120°F (0 to 49°C)
Pressure	Vacuum to 25 psi (1.7 bar)
Sterilization	EtO, gamma, e-beam



31312-03

Complete Couplings (includes body and insert)

Catalog number	Tubing ID	Price/pk of 25
TW-31312-03	1/8"	\$100.00
TW-31312-04	3/16"	77.00

CPC SnapQuik™ Connectors

High-flow fluid transfer in a small profile

The SnapQuik is the ideal quick-disconnect fitting for your small bore applications. The break-away latch mechanism allows for quick and easy disconnection, while the internal latch design allows for a streamlined exterior that is easy to clean. The audible click assures a reliable connection is made. A complete coupling consists of one body and one insert.

Specifications

Body material	Acetal
Seal material	Buna N
Temp range	32 to 122°F (0 to 50°C)
Pressure	Vacuum to 15 psi (1.0 bar)
Sterilization	Autoclave or ETO

NEW



31312-80

31312-90

Bodies (female coupling halves)

Catalog number	Tubing ID	Price/pk of 25
TW-31312-80	3/32"	\$10.00
TW-31312-81	1/8"	10.00

Inserts (male coupling halves)

Catalog number	Tubing ID	Price/pk of 25
TW-31312-90	3/32"	\$32.50
TW-31312-91	1/8"	32.50

Cole-Parmer Side-Latch Quick Connectors

Features an audible click—every hookup is simple, safe, and secure!

These reusable, cost-effective connectors are designed to meet your requirements for small-bore applications in all fluid delivery applications. Manufactured from durable nylon with a Buna N O-ring seal, these connectors are offered in contrasting colors. For a complete coupling, order one female and one male connector.

Specifications

Body material	Nylon
O-ring material	Buna N
Temperature range	-9.4 to 180°F (-23 to -82°C)
Pressure	up to 25 psi (1.72 bar)
Sterilization	Ethylene oxide or gamma irradiation

Catalog number	Tube ID	Color	Price/pk of 25
Female quick-connect bodies			
TW-30800-82	1/8"	Gray	\$43.50
TW-30800-84	1/8"	Dark blue	43.50
TW-30800-86	3/16"	Gray	44.00
TW-30800-88	3/16"	Dark blue	44.00
Male quick-connect inserts			
TW-30800-90	1/8"	Gray	18.75
TW-30800-92	1/8"	Dark blue	18.75
TW-30800-94	3/16"	Gray	19.50
TW-30800-96	3/16"	Dark blue	19.50



30800-82



CPC AseptiQuik™ Connectors

Provide easy, secure sterile connections even in nonsterile environments

- Quick, three-step connection process reduces risk of operator error
- Large housing size allows easy installation



Manufactured from sturdy polycarbonate, these connectors come clean and are for single-use and sanitary applications. Use connectors with filters, tubing, and process containers to create systems for upstream or downstream processes.

Simply fit the connector half in your tubing line. Push the male and female connectors together; an audible snap confirms a tight connection. Align and snap membrane connectors together; pull from connector. Twist blue lock ring clockwise to hear another audible click. Alignment of the ring rib with the body's arrow indicator confirms final, secure connection. Use high temperature fittings to sterilize via autoclave. Now three series to meet your needs; standard, S-low flow (genderless), and X-high flow.

Specifications

	Standard	High Temperature
Body material		Polycarbonate
Seal material		Platinum-cured silicone
Temp range		39 to 104°F (4 to 40°C)
Max pressure		60 psi (4.4 bar)
Sterilization	Gamma irradiation	Autoclave or gamma irradiation

CPC ChemQuik® Quick-Disconnect Couplings

- 100% metal-free couplings are ideal for ultrapure fluids, deionized water, and aggressive chemical applications

These quick-disconnect couplings provide easy single-handed disconnection. Valves provide flow shut-off. For a complete coupling, order one body and one insert of the same size.

In-line coupling body



Flared fitting 31603-00

Panel-mount coupling bodies



Pipe adapter 31603-05

Flared fitting 31603-03

Specifications

Body material	Polypropylene
O-rings and springs	Viton® seals; PEEK springs
Temperature range	32 to 225°F (0 to 107°C)
Max pressure	80 psi (5.5 bar)
Cv	1.6

In-line coupling inserts



Flared fitting 31603-06

Pipe adapter 31603-08

AseptiQuik-Standard

Bodies (female coupling halves)

Cat. no.	Description	Size	Price
TW-20002-90	Hose barb	3/8" ID	\$46.50
TW-20002-91	Hose barb high temperature		55.00
TW-20002-86	Hose barb	1/2" ID	269.00
TW-20002-87	Hose barb high temperature		54.00

Inserts (male coupling halves)

Cat. no.	Description	Size	Price
TW-20002-94	Hose barb	3/8" ID	\$56.50
TW-20002-95	Hose barb high temperature		49.00
TW-20002-88	Hose barb	1/2" ID	275.00
TW-20002-89	Hose barb high temperature		56.50

AseptiQuik S-low flow, genderless

Cat. no.	Description	Size	Price
TW-20002-92	Hose barb high temperature	1/8" ID	\$45.00
TW-20002-93		1/4" ID	45.00
TW-20002-96	Sanitary high temperature	3/4" Mini Tri-Clamp	46.50

AseptiQuik X-high flow

Bodies (female coupling halves)

Cat. no.	Description	Size	Price
TW-30003-21	Hose barb	3/4" ID	\$87.50
TW-30003-22	Hose barb high temperature		123.00
TW-30003-23	Hose barb	1"	87.50
TW-30003-24	Hose barb high temperature		123.00
TW-30003-25	Sanitary	1 1/2"	95.00
TW-30003-26	Sanitary high temperature	Tri-Clamp	95.00

Inserts (male coupling halves)

Cat. no.	Description	Size	Price
TW-30003-31	Hose barb	3/4" ID	\$132.00
TW-30003-32	Hose barb high temperature		169.00
TW-30003-33	Hose barb	1"	132.00
TW-30003-34	Hose barb high temperature		169.00
TW-30003-35	Sanitary	1 1/2"	138.00
TW-30003-36	Sanitary high temperature	Tri-Clamp	175.00

In-Line Coupling Bodies

(Female Coupling Halves)

Catalog number	Size	Material	Price
Flared fittings, valved			
TW-31603-15	1/4" OD	PP	\$ 125.00
TW-31603-00	3/8" OD		138.00
TW-31603-01	1/2" OD		125.00
Pipe adapters, valved			
TW-31603-02	3/8" NPT(M)	PP	157.00

Panel-Mount Coupling Bodies

(Female Coupling Halves)

Catalog number	Size	Material	Price
Flared fittings, valved			
TW-31603-16	1/4" OD	PP	\$150.00
TW-31603-03	3/8" OD		138.00
TW-31603-04	1/2" OD		150.00
Pipe adapters, valved			
TW-31603-05	3/8" NPT(M)	PP	169.00

In-Line Coupling Inserts

(Male Coupling Halves)

Catalog number	Size	Material	Price
Flared fittings, valved			
TW-31603-17	1/4" OD	PP	\$ 138.00
TW-31603-06	3/8" OD		138.00
TW-31603-07	1/2" OD		138.00
Pipe adapters, valved			
TW-31603-08	3/8" NPT(M)	PP	157.00

Fittings

Quick-Disconnect, Pharma Processing

CPC Steam-in-Place Connectors

One disposable connector for steam sterilization and microbial process

- Ensures a sterile connection
- Reduces downtime and cleaning expenses

As part of a single-use system, these disposable connectors enhance the sterility of your bioprocessing line. The innovative product design allows for a one-step process for sterilization and media transfer while eliminating dead spots, reducing the number of connections, and eliminating the need for a laminar flow hood. Terminations on these connectors are set to industry standards for bioreactors and are available in popular sizes of flexible tubing. All wetted surfaces meet requirements for USP Class VI, MEM elution, hemolysis in vitro, and physicochemical tests. All units are made of animal-free medical-grade polysulfone. Choose from two designs: the original Steam-Thru® Connection and Steam-Thru II.



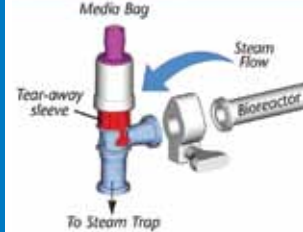
31604-10

The original Steam-Thru connectors feature a three-port design that allows steam to pass directly through the power ports to "steam on" to stainless equipment. Once the SIP cycle is completed, remove the tear-away sleeve to actuate the valve and create a sterile flow path. Once actuated, the connection cannot be reversed because valve actuation punctures the internal membrane to allow flow of media. When the process is complete, the connector may be safely disposed.

The Steam-Thru II connectors offer the additional benefit of both "steam on" and "steam off" functionality. The valve can return to the steam position to allow a second steam cycle after media transfer.

TECHNICAL info!

Steam Process (1)



Steam flows from the bioreactor through the connector to sterilize the connection. With the tear-away sleeve in place, the transfer of fluid to or from the bioreactor is prevented.

Flow Process (2)



When the tear-away sleeve is removed and the connector is actuated, the connection to the steam trap is disabled and the media flow bath to or from the bioreactor is accessible.

Specifications

Pressure rating

Steam position: 30 psi (2.1 bar)
Flow position: vacuum to 20 psi (1.4 bar)

Temperature rating

Steam position: 266°F (130°C) for up to 60 min
Flow position: 39 to 104°F (4 to 40°C)

Materials

Body: polysulfone body
Sleeve: PE (31604-10 thru -16) or PC (31604-18 thru -24)
Membrane: silicone membrane



Catalog number	Steam inlet	Connections		Sterilization methods ¹	Price
		Bioreactor	Hose barb		
Steam-Thru connectors (single cycle)					
TW-31604-10	3/4" Tri-Clamp®	3/4" Tri-Clamp	1/2"	SIP, G	\$79.00
TW-31604-12			3/8"		\$79.00
TW-31604-14	3/4" Tri-Clamp	1 1/2" Tri-Clamp	1/2"	SIP, G	\$79.00
TW-31604-16			3/8"		\$79.00
TW-31604-18	3/4" Tri-Clamp	3/4" Tri-Clamp	1/2"	SIP, G, A	\$79.00
TW-31604-20			3/8"		\$79.00
TW-31604-22	3/4" Tri-Clamp	1 1/2" Tri-Clamp	1/2"	SIP, G, A	\$79.00
TW-31604-24			3/8"		\$79.00
Steam-Thru II (two cycle)					
TW-31604-36	3/4" Tri-Clamp	3/4" Tri-Clamp	1/2"	SIP, G	\$112.00
TW-31604-38		1 1/2" Tri-Clamp	3/8"		\$112.00

¹SIP = steam-in-place process up to 266°F (130°C) for 60 minutes;
G = gamma radiation up to 50 kGy for one cycle;
A = autoclave at 265°F (128°C) for 30 minutes up to two cycles.

CPC Quick-Disconnect Sanitary Couplings

Attach directly to your sanitary hardware assemblies!

- USP Class IV materials
- Fully sterilizable

These couplings allow you to integrate disposables with your existing stainless steel processing equipment. Both couplings and inserts are available with standard sanitary terminations to attach to your system with a sanitary gasket and tri-clover clamps. Choose from polysulfone (PSF) or 316 stainless steel (SS) inserts to mate to polysulfone bodies. All models feature USP Class VI platinum-cured silicone gaskets. Mix and match these bodies and inserts with the polysulfone quick-disconnect coupling elements on page 552 for greater flexibility in your process system with fittings either standard or large.

Specifications

Body material	PSF or 316 stainless steel
O-ring material	USP Class VI platinum-cured silicone
Temp range	-40 to 300°F (-40 to 149°C)
Max pressure	60 psi (4.1 bar)
Sterilization	PSF: autoclave, gamma, ETO, or ebeam SS: autoclave or gamma irradiation

Bodies (Female Coupling Halves)

Catalog number	Size	Compatible	Material	Price
TW-31604-26	3/4" sanitary	Large	PSF	\$16.25
TW-31604-28	1" sanitary	Standard		\$18.25



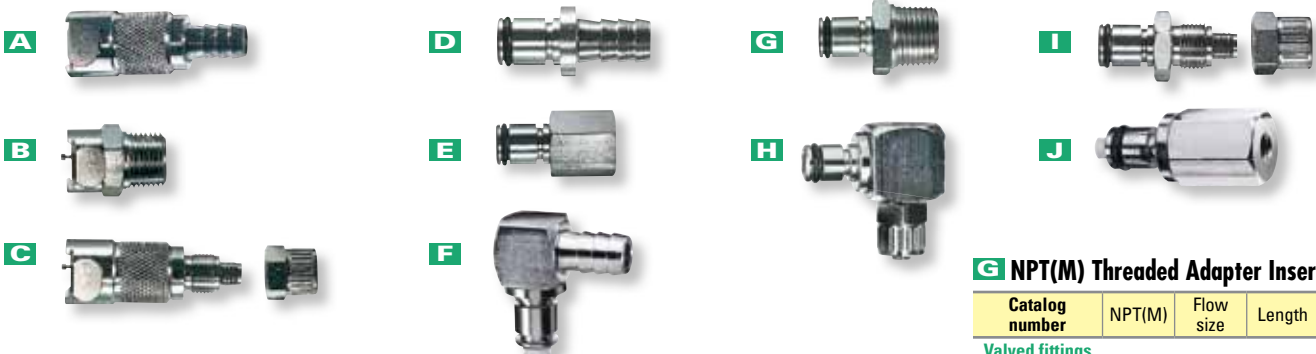
Inserts (Male Coupling Halves)

Catalog number	Size	Compatible	Material	Price
TW-31311-71	1/4" tubing ID	Standard	PSF	\$22.50
TW-31311-72	3/8" tubing ID			\$22.50
TW-31311-73	1/2" tubing ID	Large	SS	\$56.00
TW-31604-30	3/4" sanitary	Standard		\$194.00
TW-31604-32	1" sanitary	Large		\$194.00
TW-31604-34	1 1/2" sanitary			\$194.00

CPC Metal Quick-Disconnect Couplings

Rugged fittings are ideal for pressure and vacuum applications

These quick-disconnect fittings consist of two fitting halves—order coupling bodies (female halves) and inserts (male halves) with the same flow size. Fittings withstand pressures from vacuum to 250 psi (17.2 bar), temperatures from -40 to 180°F (-40 to 82°C). In addition to vacuum and pressure applications, these fittings can be used for liquids. Made of chrome-plated brass with stainless steel springs and latch. Valved fittings have acetal shutoff valves that seal the flow path when fitting halves are disconnected.



Quick-Disconnect Bodies

(Female Fitting Halves)

A Hose Barbs Bodies

Catalog number	Tube ID	Flow size	Length	Price
Valved fittings				
TW-31404-30	1/8"	1/8"	1.65"	\$39.00
TW-31404-31	3/16"	1/8"	1.65"	39.50
TW-31404-32	1/4"	1/8"	1.85"	38.50
TW-31403-20	1/4"	1/4"	2.00"	39.50
TW-31403-21	5/16"	1/4"	2.00"	48.50
TW-31403-22	3/8"	1/4"	2.00"	39.50
Straight-through fittings				
TW-31404-10	1/8"	1/8"	1.65"	37.50
TW-31404-11	3/16"	1/8"	1.65"	38.50
TW-31404-12	1/4"	1/8"	1.85"	38.50
TW-31403-25	1/4"	1/4"	2.00"	46.50
TW-31403-26	5/16"	1/4"	2.00"	46.50
TW-31403-27	3/8"	1/4"	2.00"	46.50

B NPT(M) Threaded Adapter Bodies

Catalog number	NPT(M)	Flow size	Length	Price
Valved fittings				
TW-31404-20	1/8"	1/8"	1.10"	\$20.75
TW-31404-21	1/4"	1/8"	1.10"	20.75
TW-31403-00	1/4"	1/4"	1.15"	26.00
TW-31403-01	3/8"	1/4"	1.15"	26.00
Straight-through fittings				
TW-31404-00	1/8"	1/8"	1.10"	19.50
TW-31404-01	1/4"	1/8"	1.10"	23.25
TW-31403-05	1/4"	1/4"	1.15"	24.50
TW-31403-06	3/8"	1/4"	1.15"	30.00

C Compression Fitting Bodies

Catalog number	Tube OD	Flow size	Length	Price
Valved fittings				
TW-31404-29	1/4"	1/8"	1.77"	\$38.50
TW-31403-10	1/4"	1/4"	1.87"	51.00
TW-31403-11	3/8"	1/4"	2.00"	56.00
Straight-through fittings				
TW-31404-09	1/4"	1/8"	1.77"	42.50
TW-31403-15	1/4"	1/4"	1.87"	50.00
TW-31403-16	3/8"	1/4"	2.00"	51.00

Quick-Disconnect Inserts

(Male Fitting Halves)

D Hose Barb Inserts

Catalog number	Tube ID	Flow size	Length	Price
Valved fittings				
TW-31404-71	1/8"	1/8"	1.55"	\$25.00
TW-31404-72	3/16"	1/8"	1.75"	28.50
TW-31404-73	1/4"	1/8"	1.58"	22.50
TW-31403-40	1/4"	1/4"	1.85"	23.75
TW-31403-41	5/16"	1/4"	1.85"	31.50
TW-31403-42	3/8"	1/4"	1.68"	23.75
Straight-through fittings				
TW-31404-51	1/8"	1/8"	1.55"	9.70
TW-31404-52	3/16"	1/8"	1.75"	13.75
TW-31404-53	1/4"	1/8"	1.58"	13.75
TW-31403-45	1/4"	1/4"	1.85"	11.75
TW-31403-46	5/16"	1/4"	1.85"	13.75
TW-31403-47	3/8"	1/4"	1.68"	14.50

E NPT(F) Threaded Adapter Inserts

Catalog number	NPT(F)	Flow size	Length	Price
Valved fittings				
TW-31404-62	1/8"	1/8"	1.57"	\$23.25
TW-31403-63	1/4"	1/8"	1.72"	41.50
TW-31403-52	1/4"	1/4"	1.75"	24.50
Straight-through fittings				
TW-31404-42	1/8"	1/8"	0.95"	13.75
TW-31404-43	1/4"	1/8"	1.15"	14.50
TW-31403-57	1/4"	1/4"	1.25"	12.50

F Hose Barb Elbow Inserts

Catalog number	Tube ID	Flow size	Length	Price
Valved fittings				
TW-31404-77	1/8"	1/8"	1.18"	\$28.50
TW-31404-78	1/4"	1/8"	1.18"	32.00
TW-31403-92	1/4"	1/4"	1.28"	32.00
TW-31403-93	3/8"	1/4"	1.28"	33.50
Straight-through fittings				
TW-31404-57	1/8"	1/8"	1.18"	23.25
TW-31404-58	1/4"	1/8"	1.18"	23.25
TW-31403-97	1/4"	1/4"	1.28"	25.00
TW-31403-98	3/8"	1/4"	1.28"	30.00

MORE info!

For a complete coupling, order a body (female half) and insert (male half) below, making sure to match the flow size of each.

G NPT(M) Threaded Adapter Inserts

Catalog number	NPT(M)	Flow size	Length	Price
Valved fittings				
TW-31404-60	1/8"	1/8"	1.33"	\$22.00
TW-31404-61	1/4"	1/8"	1.30"	23.25
TW-31403-50	1/4"	1/4"	1.53"	26.00
TW-31403-51	3/8"	1/4"	1.40"	31.50
Straight-through fittings				
TW-31404-40	1/8"	1/8"	1.03"	11.25
TW-31404-41	1/4"	1/8"	1.13"	14.50
TW-31403-55	1/4"	1/4"	1.25"	11.75
TW-31403-56	3/8"	1/4"	1.25"	16.25

H Compression Elbow Inserts

Catalog number	Tube OD	Flow size	Length	Price
Valved fittings				
TW-31404-75	5/32"	1/8"	1.18"	\$39.50
TW-31404-76	1/4"	1/8"	1.18"	34.50
TW-31403-90	1/4"	1/4"	1.28"	38.50
TW-31403-91	3/8"	1/4"	1.28"	39.00
Straight-through fittings				
TW-31404-55	5/32"	1/8"	1.18"	28.50
TW-31404-56	1/4"	1/8"	1.18"	30.00
TW-31403-95	1/4"	1/4"	1.28"	34.50
TW-31403-96	3/8"	1/4"	1.28"	34.50

I Compression Inserts

Catalog number	Tube OD	Flow size	Length	Price
Valved fittings				
TW-31404-68	5/32"	1/8"	1.53"	\$32.00
TW-31404-69	1/4"	1/8"	1.45"	24.50
TW-31404-70	3/8"	1/8"	1.40"	33.50
TW-31403-30	1/4"	1/4"	1.72"	35.00
TW-31403-31	3/8"	1/4"	1.68"	37.00
Straight-through fittings				
TW-31404-48	5/32"	1/8"	1.13"	28.50
TW-31404-49	1/4"	1/8"	1.15"	16.25
TW-31404-50	3/8"	1/8"	1.30"	19.50
TW-31403-35	1/4"	1/4"	1.25"	18.25
TW-31403-36	3/8"	1/4"	1.38"	20.00

J UNF(F) Threaded Adapter Inserts

Catalog number	Thread (UNF)	Flow size	Length	Price
Valved fitting				
TW-31404-74	10-32	1/8"	1 3/8"	\$26.00
Straight-through fitting				
TW-31404-79	10-32	1/8"	1 3/8"	20.75