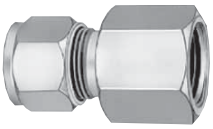
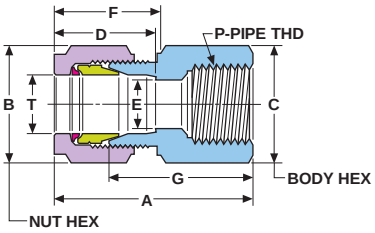
Female Connector: CF

connects **fractional** tube to male NPT threads

Part Number*	T Tube O.D.	P Male NPT Size	Dimensions — inches A	B Hex Flat	C Hex Flat	D	E min.	F	G
1CF1[ ]	1/16	1/16	1	5/16	7/16	.41	.05	.48	.78
1CF2[ ]	1/16	1/8	1.03	5/16	9/16	.41	.05	.48	.81
2CF2[ ]	1/8	1/8	1.19	7/16	9/16	.56	.09	.67	.88
2CF4[ ]	1/8	1/4	1.38	7/16	3/4	.56	.09	.67	1.06
3CF2[ ]	3/16	1/8	1.22	1/2	9/16	.59	.13	.70	.91
3CF4[ ]	3/16	1/4	1.41	1/2	3/4	.59	.13	.70	1.09
4CF2[ ]	1/4	1/8	1.25	9/16	9/16	.69	.19	.77	.94
4CF4[ ]	1/4	1/4	1.44	9/16	3/4	.69	.19	.77	1.13
4CF6[ ]	1/4	3/8	1.50	9/16	7/8	.69	.19	.77	1.19
4CF8[ ]	1/4	1/2	1.70	9/16	1 1/16	.69	.19	.77	1.38
6CF2[ ]	3/8	1/8	1.34	11/16	5/8	.72	.30	.83	1
6CF4[ ]	3/8	1/4	1.53	11/16	3/4	.72	.30	.83	1.19
6CF6[ ]	3/8	3/8	1.59	11/16	7/8	.72	.30	.83	1.25
6CF8[ ]	3/8	1/2	1.78	11/16	1 1/16	.72	.30	.83	1.44
6CF12[ ]	3/8	3/4	1.92	11/16	1 1/4	.72	.30	.83	1.56
8CF4[ ]	1/2	1/4	1.72	7/8	13/16	.97	.42	.92	1.25
8CF6[ ]	1/2	3/8	1.72	7/8	7/8	.97	.42	.92	1.25
8CF8[ ]	1/2	1/2	1.91	7/8	1 1/16	.97	.42	.92	1.44
8CF12[ ]	1/2	3/4	2.06	7/8	1 1/4	.97	.42	.92	1.59
8CF16[ ]	1/2	1	2.50	7/8	1 5/8	.97	.42	.92	1.94
10CF6[ ]	5/8	3/8	1.69	1	15/16	1	.50	.92	1.25
10CF8[ ]	5/8	1/2	1.88	1	1 1/16	1	.50	.92	1.44
12CF8[ ]	3/4	1/2	1.94	1 1/8	1 1/16	1	.66	.97	1.25
12CF12[ ]	3/4	3/4	2	1 1/8	1 1/4	1	.66	.97	1.56
14CF12[ ]	7/8	3/4	2	1 1/4	1 1/4	1.06	.72	.97	1.56
16CF12[ ]	1	3/4	2.19	1 1/2	1 3/8	1.31	.88	1.08	1.63
16CF16[ ]	1	1	2.53	1 1/2	1 5/8	1.31	.88	1.08	1.97
20CF20[ ]	1 1/4	1 1/4	2.98	1 7/8	2 1/8	1.62	1.09	1.53	1
24CF24[ ]	1 1/2	1 1/2	3.28	2 1/4	2 3/8	1.97	1.34	1.78	1.09
32CF32[ ]	2	2	4	3	2 7/8	2.66	1.81	2.47	1.12



Metric fitting shown



Female Connector: CF/ME

connects **metric** tube to male NPT threads

Part Number*	T Tube O.D.	P Male NPT Size	Dimensions—mm A	B Hex Flat	C	D	E min.	F	G
3CF2[ ]ME	3	1/8	32.1	11.1	14.5	14.3	2.2	17.1	24.1
3CF4[ ]ME	3	1/4	34.9	11.1	19.1	14.3	2.2	17.1	27.0
6CF2[ ]ME	6	1/8	31.9	14.3	14.5	16.3	3.8	19.5	23.9
6CF4[ ]ME	6	1/4	36.4	14.3	19.1	16.3	3.8	19.5	28.5
6CF6[ ]ME	6	3/8	39.6	14.3	22.2	16.3	3.8	19.5	31.2
6CF8[ ]ME	6	1/2	43.3	14.3	27.0	16.3	3.8	19.5	35.0
8CF2[ ]ME	8	1/8	32.6	15.9	14.3	16.7	5.8	19.1	24.6
8CF4[ ]ME	8	1/4	37.4	15.9	19.1	16.7	5.8	19.1	29.4
8CF6[ ]ME	8	3/8	38.2	15.9	22.2	16.7	5.8	19.1	30.2
8CF8[ ]ME	8	1/2	44.5	15.9	27.0	16.7	5.8	19.1	36.5
10CF2[ ]ME	10	1/8	33.4	19.1	17.5	17.5	7.9	19.8	25.4
10CF4[ ]ME	10	1/4	38.1	19.1	19.1	17.5	7.9	19.8	30.2
10CF6[ ]ME	10	3/8	39.7	19.1	22.2	17.5	7.9	19.8	31.8
10CF8[ ]ME	10	1/2	44.5	19.1	27.0	17.5	7.9	19.8	36.5
12CF4[ ]ME	12	1/4	43.7	22.2	20.6	24.6	9.9	23.4	31.8
12CF6[ ]ME	12	3/8	43.7	22.2	20.6	24.6	9.9	23.4	31.8
12CF8[ ]ME	12	1/2	48.5	22.2	27.0	24.6	9.9	23.4	36.5
12CF12[ ]ME	12	3/4	52.4	22.2	31.8	24.6	9.9	23.4	40.5
14CF4[ ]ME	14	1/4	41.1	23.8	23.8	22.2	11.9	21.0	31.2
14CF8[ ]ME	14	1/2	45.9	23.8	27.0	22.2	11.9	21.0	36.5
15CF8[ ]ME	15	1/2	46.3	23.8	27.0	22.2	12.7	21.8	36.0
16CF8[ ]ME	16	1/2	47.7	25.4	27.0	25.0	12.7	23.4	36.5
16CF12[ ]ME	16	3/4	53.0	25.4	32.0	25.0	12.7	23.4	41.0
18CF8[ ]ME	18	1/2	48.1	28.6	27.0	25.4	15.8	24.6	38.1
18CF12[ ]ME	18	3/4	49.8	28.6	31.8	25.4	15.8	24.6	39.9
20CF8[ ]ME	20	1/2	52.5	31.8	30.2	31.0	16.7	27.0	38.6
20CF12[ ]ME	20	3/4	53.5	31.8	31.8	31.0	16.7	27.0	39.6
22CF8[ ]ME	22	1/2	49.3	31.8	33.3	27.0	17.8	24.6	38.1
22CF12[ ]ME	22	3/4	53.8	31.8	33.3	27.0	17.8	24.6	42.7
22CF16[ ]ME	22	1	61.0	31.8	41.5	27.0	17.8	24.6	50.0
25CF8[ ]ME	25	1/2	55.8	38.1	34.9	33.3	11.9	27.4	41.4
25CF12[ ]ME	25	3/4	56.0	38.1	35.0	33.3	21.7	27.4	41.0
25CF16[ ]ME	25	1	64.4	38.1	41.3	33.3	21.7	27.4	50.0

* [ ] see page 6 for material specifications.

Dimensions for reference only. Subject to change.

Female Connector: CF/EZ

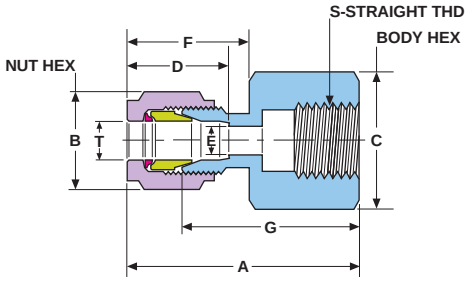
connects fractional tube with RG parallel threads

Part Number*	T Tube O.D.	S Thd. Size	Dimensions — inches A	B Hex Flat	C Hex Flat	D	E min.	F	G
2CF2[ ]EZ	1/8	1/8	1.33	7/16	5/8	.56	.09	.67	1.02
2CF4[ ]EZ	1/8	1/4	1.45	7/16	3/4	.56	.09	.67	1.14
4CF[ ]EZ	1/4	1/4	1.50	9/16	3/4	.64	.19	.77	1.17
4CF8[ ]EZ	1/4	1/2	1.89	9/16	1 1/16	.64	.19	.77	1.56
6CF4[ ]EZ	3/8	1/4	1.55	11/16	3/4	.72	.22	.83	1.20
6CF8[ ]EZ	3/8	1/2	1.78	11/16	1 1/16	.72	.28	.83	1.44
8CF4[ ]EZ	1/2	1/4	1.80	7/8	13/16	.97	.22	.92	1.33
8CF8[ ]EZ	1/2	1/2	2.05	7/8	1 1/16	.97	.28	.92	1.58

RG female thread ends require a gasket inserted into the flat bottom of the thread. The male end, when assembled, exerts pressure on the gasket, creating a seal.



Fractional fitting shown



Female Connector: CF/MZ

connects metric tube with RG parallel threads

Part Number*	T Tube O.D.	S Thd. Size	Dimensions—mm A	B Hex Flat	C Hex Flat	D	E min.	F	G
3CF4[ ]MZ	3	1/4	38.1	11.1	19.0	14.3	2.4	17.1	30.1
6CF4[ ]MZ	6	1/4	39.0	14.3	22.2	16.3	4.0	19.5	30.7
6CF8[ ]MZ	6	1/2	45.3	14.3	27.0	16.3	4.0	19.5	40.0
8CF4[ ]MZ	8	1/4	35.6	15.9	19.1	16.7	5.9	19.1	27.6
8CF8[ ]MZ	8	1/2	44.8	15.9	27.0	16.7	5.9	19.1	36.8
10CF4[ ]MZ	10	1/4	36.4	19.1	19.1	17.5	5.5	19.8	28.4
10CF8[ ]MZ	10	1/2	44.9	19.1	27.0	17.5	7.0	19.8	36.9
12CF4[ ]MZ	12	1/4	46.4	22.2	22.2	24.6	5.5	23.4	34.4
12CF8[ ]MZ	12	1/2	52.3	22.2	27.0	24.6	7.0	23.4	40.4
14CF8[ ]MZ	14	1/2	49.2	23.8	27.0	22.2	7.0	21.0	39.8
16CF8[ ]MZ	16	1/2	55.5	25.4	27.0	25.0	7.0	23.4	44.4
18CF8[ ]MZ	18	1/2	56.2	28.6	30.2	25.4	7.0	24.6	46.3
20CF8[ ]MZ	20	1/2	59.3	31.8	30.2	31.0	7.0	27.0	45.5
22CF8[ ]MZ	22	1/2	56.6	31.8	30.2	27.0	7.0	24.6	45.4
25CF8[ ]MZ	25	1/2	64.9	38.1	34.9	33.3	7.0	27.4	50.5

* [ ] see page 6 for material specifications.

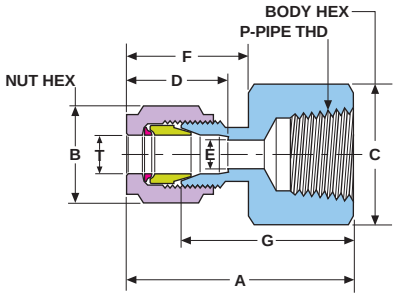
Female Connector: CF/EC

connects fractional tube with RT tapered threads

Part Number*	T Tube O.D.	P Pipe Thd.	Dimensions—inches A	B Hex Flat	C Hex Flat	D	E min	F	G
4CF2[ ]EC	1/4	1/8	1.25	9/16	9/16	.64	.19	.77	.94
4CF4[ ]EC	1/4	1/4	1.44	9/16	3/4	.64	.19	.77	1.13
4CF6[ ]EC	1/4	3/8	1.50	9/16	7/8	.64	.19	.77	1.19
4CF8[ ]EC	1/4	1/2	1.70	9/16	1 1/16	.64	.19	.77	1.38
6CF4[ ]EC	3/8	1/4	1.53	11/16	3/4	.72	.30	.83	1.19
6CF6[ ]EC	3/8	3/8	1.59	11/16	7/8	.72	.30	.83	1.25
6CF8[ ]EC	3/8	1/2	1.78	11/16	1 1/16	.72	.30	.83	1.44
8CF4[ ]EC	1/2	1/4	1.72	7/8	13/16	.97	.42	.92	1.25
8CF6[ ]EC	1/2	3/8	1.72	7/8	7/8	.97	.42	.92	1.25
8CF8[ ]EC	1/2	1/2	1.91	7/8	1 1/16	.97	.42	.92	1.44
10CF8[ ]EC	5/8	1/2	1.88	1	1 1/16	1	.50	.92	1.44



Fractional fitting shown



Female Connector: CF/MC

connects metric tube with RT tapered threads

Part Number* RT Threads	T Tube O.D.	P Pipe Thd.	Dimensions—mm A	B Hex Flat	C Hex Flat	D	E min	F	G
3CF2[ ]MC	3	1/8	32.1	11.1	14.5	14.3	2.2	17.1	24.1
3CF4[ ]MC	3	1/4	34.9	11.1	19.1	14.3	2.2	17.1	27.0
6CF2[ ]MC	6	1/8	31.9	14.3	14.5	16.3	3.8	19.5	23.9
6CF4[ ]MC	6	1/4	36.4	14.3	19.1	16.3	3.8	19.5	28.5
6CF6[ ]MC	6	3/8	39.6	14.3	22.2	16.3	3.8	19.5	31.2
6CF8[ ]MC	6	1/2	43.3	14.3	27.0	16.3	3.8	19.5	35.0
8CF2[ ]MC	8	1/8	32.6	15.9	14.3	16.7	5.8	19.1	24.6
8CF4[ ]MC	8	1/4	37.4	15.9	19.1	16.7	5.8	19.1	29.4
8CF6[ ]MC	8	3/8	38.2	15.9	22.2	16.7	5.8	19.1	30.2
8CF8[ ]MC	8	1/2	44.5	15.9	27.0	16.7	5.8	19.1	36.5
10CF2[ ]MC	10	1/8	33.4	19.1	17.5	17.5	7.9	19.8	25.4
10CF4[ ]MC	10	1/4	38.1	19.1	19.1	17.5	7.9	19.8	30.2
10CF6[ ]MC	10	3/8	39.7	19.1	22.2	17.5	7.9	19.8	31.8
10CF8[ ]MC	10	1/2	44.5	19.1	27.0	17.5	7.9	19.8	36.5
12CF4[ ]MC	12	1/4	43.7	22.2	20.6	24.6	9.9	23.4	31.8
12CF6[ ]MC	12	3/8	43.7	22.2	20.6	24.6	9.9	23.4	31.8
12CF8[ ]MC	12	1/2	48.5	22.2	27.0	24.6	9.9	23.4	36.5
12CF12[ ]MC	12	3/4	52.4	22.2	31.8	24.6	9.9	23.4	40.5
14CF4[ ]MC	14	1/4	41.1	23.8	23.8	22.2	11.9	21.0	31.2
14CF8[ ]MC	14	1/2	45.9	23.8	27.0	22.2	11.9	21.0	36.5
15CF8[ ]MC	15	1/2	46.3	23.8	27.0	22.2	12.7	21.8	36.0
16CF8[ ]MC	16	1/2	47.7	25.4	27.0	25.0	12.7	23.4	36.5
16CF12[ ]MC	16	3/4	53.0	25.4	32.0	25.0	12.7	23.4	41.0
18CF8[ ]MC	18	1/2	48.1	28.6	27.0	25.4	15.8	24.6	38.1
18CF12[ ]MC	18	3/4	49.8	28.6	31.8	25.4	15.8	24.6	39.9
20CF8[ ]MC	20	1/2	52.5	31.8	30.2	31.0	16.7	27.0	38.6
20CF12[ ]MC	20	3/4	53.5	31.8	31.8	31.0	16.7	27.0	39.6
22CF8[ ]MC	22	1/2	49.3	31.8	33.3	27.0	17.8	24.6	38.1
22CF12[ ]MC	22	3/4	53.8	31.8	33.3	27.0	17.8	24.6	42.7
22CF16[ ]MC	22	1	61.0	31.8	41.5	27.0	17.8	24.6	50.0
25CF8[ ]MC	25	1/2	55.8	38.1	34.9	33.3	11.9	27.4	41.4
25CF12[ ]MC	25	3/4	56.0	38.1	35.0	33.3	21.7	27.4	41.0
25CF16[ ]MC	25	1	64.4	38.1	41.3	33.3	21.7	27.4	50.0

Dimensions for reference only. Subject to change.