

PNEUMATIC CONNECTORS—SELECTION

Round Pneumatic Connector Selection Chart

Basic Model	Connector Diameter Inches (mm)	No. of Tubes on Connector	Tubulation Diameter Inches (mm)	Page	Rating (psi)*
19 M & F	.460 (11.7)	19	.040 (1.02)	8	100
31 M & F	.560 (14.2)	31	.040 (1.02)	8	100
36 M & F	.625(15.88)	36	.040 (1.02)	8	100
55 M & F	.700 (17.8)	55	.040 (1.02)	8	100
24 D	1.250 (31.8)	24	.040 (1.02)	9	100/300***
48 D	1.250 (31.8)	48	.040 (1.02)	9	100/300***
73ZOC	1.250 (31.8)	73	.040 (1.02)	12	500
31 M & F	.900 (22.9)	31	.063 (1.59)	8	100
24 D	1.250 (31.8)	24	.063 (1.59)	9	100/300***
48 D	1.250 (31.8)	48	.063 (1.59)	9	100/300***
48ZOC	1.375 (34.9)	48	.063 (1.59)	12	500
55 M & F	1.125 (28.6)	55	.063 (1.59)	8	100
73ZOC	1.250 (31.8)	73	.063 (1.59)	12	500
24C	3.00 (76.2) ring	24	.125 (3.18)	10 & 11	500
48 C	3.00 (76.2) ring	48	.063 (1.59)	10 & 11	500
64 C	3.00 (76.2) ring	64	.063 (1.59)	11 & 12	100/500**
48 L	3.00 (76.2)	48	.063 (1.59) Accepts Steel Tubing	12	1500

* Consult factory for higher pressure ratings or different tubulation diameters.

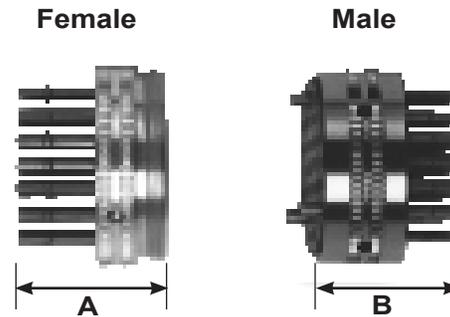
** Can be used to 500 psi with gascage.

*** Can be used to 300 psi with gascage.

PNEUMATIC CONNECTORS—(100 PSI)

Quick Disconnect

The following connectors are ideal for making quick disconnects at test break points where space is important. These connectors have the highest channel density per connector of all our round connectors. A flat gasket is shipped with the male connector for sealing. Blanking caps are available for some connector models as shown in the chart below.



Dimensions Inches (mm)					
Connector Diameter	Number of SS Tubulations	A	B	Distance Between Tube Centers	Tubulation Dimensions
.460 (11.7)	19	Pyramid* .600 (15.24)	Pyramid* .536 (13.61)	.074 (1.88)	.040 (1.02) O.D.
.560 (14.2)	31	.540 (13.72)	.485 (12.32)	.074 (1.88)	.040 (1.02) O.D.
.625 (15.88)	36	Pyramid* 1.0 (25.4)	Pyramid* .960 (24.4)	.074 (1.88)	.040 (1.02) O.D.
.700 (17.8)	55	.540 (13.72)	.490 (12.45)	.074 (1.88)	.040 (1.02) O.D.
.900 (22.9)	31	.675 (17.15)	.650 (16.51)	.125 (3.18)	.063 (1.59) O.D.
1.125 (28.6)	55	.690 (17.53)	.650 (16.51)	.125 (3.18)	.063 (1.59) O.D.

* This connector has the steel tubulations stacked in a pyramid for easy access. All other connectors shown on this page have all tubes of equal length as shown in A & B photos above.

To order, specify:

Number of SS Tubulations	Ordering Selection Guide				
	Male Connector	Female Connector	ScanCo # Spare Gasket	Caps For	
				Male	Female
19	19M460	19F460	50059-1	N/A	50013-3
31	31M560	31F560	50159-1	N/A	50013-2
36	36M625	36F625	50778-1	N/A	N/A
55	55M700	55F700	50007-1	50024	50013-1
31	31M900	31F900	50139-2	N/A	N/A
55	55M1.125	55F1.125	50129-1	50110-1	N/A

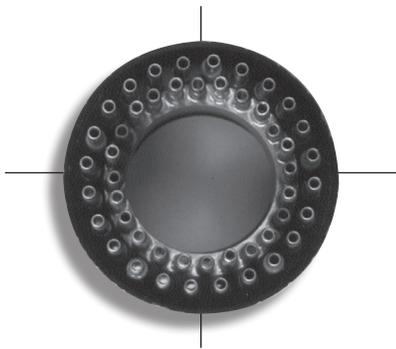
PNEUMATIC CONNECTORS—MODEL D (300 PSI)

The “D” connectors make ideal quick disconnects at model test break points when both male and female connectors are used together. Both connectors are available with 48 stainless steel tubulations. Standard “D” connectors use a gasket and are limited to 100psi. For applications us to 300psi, a gasgage can be specified at time of order.

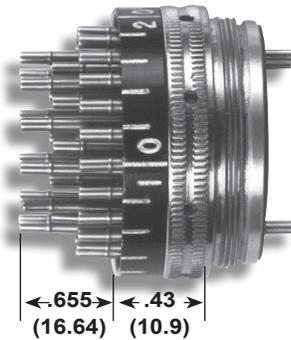
To Order, Specify:

ScanCo #	48	D	M	1/2	—	063
No. of Tubulation	24 and 48	Model	Connector Type:	Tubulation Length		Tubulation Size
		D	M - Male F - Female FB - Female Bulkhead			.040 .063

Spare Gasket for D Connector, ScanCo #6088



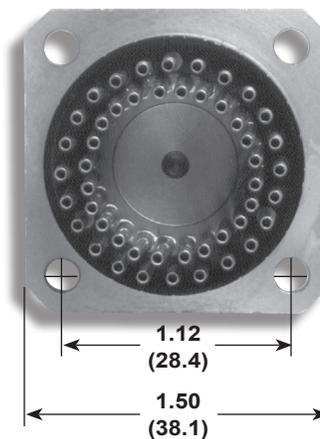
48D8M-1/2
(Male)



48DF-1/2
(Female)



48DFB-1/2
(Female Bulkhead)

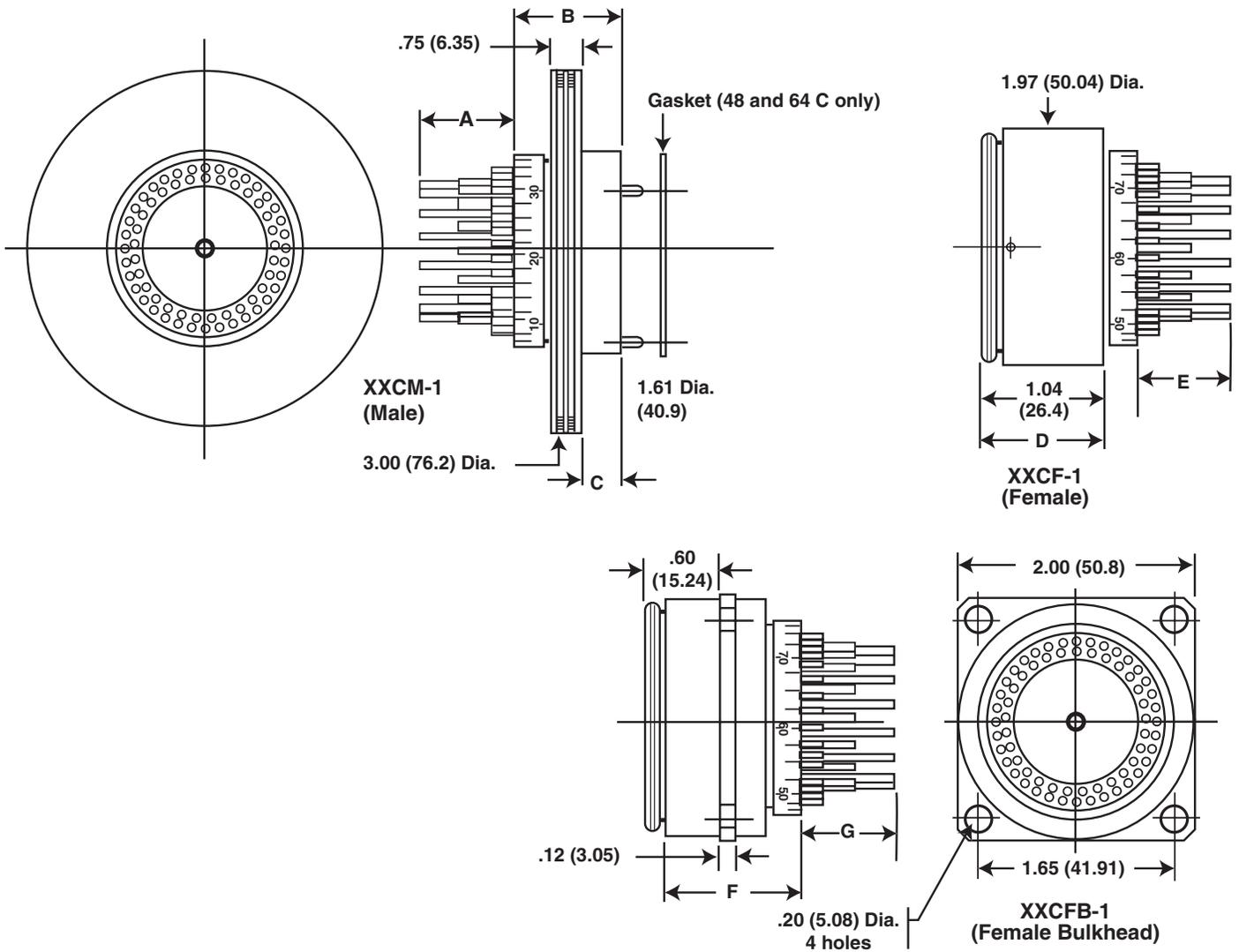
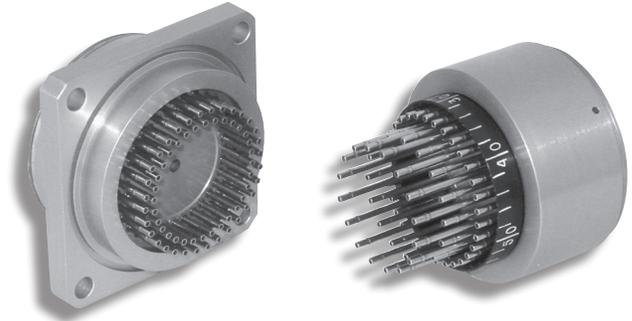


.16 (4.06)
Diameter Holes
4 each

PNEUMATIC CONNECTORS—24C, 48C, AND 64C

Description

The line of CM connectors when used with a CF (female connector), or a CFB (female bulkhead connector), becomes ideal quick disconnects at pressure break points. The stainless steel tubulations are designed to fit either ScanCo .063 or .125 tubing. The CM connectors are also used with Scanivalve modules.



PNEUMATIC CONNECTORS—24C, 48C, & 64C (500 PSI)

Dimensions Inches (mm)

24C Pneumatic Connectors

To Order, Specify:

ScanCo #	Description	No. of Tubulations	Connector Pressure Rating	Tubulation Size	A	B	C	D	E	F	G	Cap
24CM-1	Male Connector for 24C Scanivalve	24	500 psi	.125 O.D. (3.18)	.86 (21.8)	.90 (22.9)	.36 (9.14)					N/A
24CF-1	Female Connector							1.30 (33.0)	.86 (21.8)			
24CFB-1	Female Bulkhead Connector									1.30 (33.0)	.86 (21.8)	
65013-1	Spare Cage Gasket w/o O Rings											
0995-070X-150B	Spare O Rings											

48C Pneumatic Connectors

48CM-1	Male Connector for 48C Scanivalve	48	500 psi	.063 O.D. (1.59)	.82 (20.8)	.82 (20.8)	.34 (8.64)					N/A
48CF-1	Female Connector						1.26 (32.0)	.86 (21.8)				6386-1
48CFB-1	Female Bulkhead Connector									1.13 (28.7)	.86 (21.8)	6386-1
6025	Spare Gasket											
5180	Optional Gascage											

64C Pneumatic Connectors

64CM-1	Male Connector for 64C Scanivalve	64	100 psi*	.063 O.D. (1.59)	.77 (19.6)	.87 (22.1)	.34 (8.64)					N/A
64CF-1	Female Connector						1.30 (33.0)	.78 (19.8)				
64CFB-1	Female Bulkhead Connector									1.17 (29.2)	.78 (19.8)	
6305	Spare Gasket											
6015	Optional Gascage											

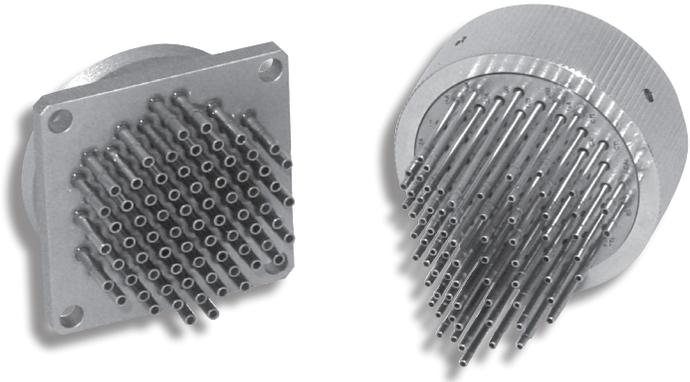
*Can be used up to 500 psi with gascage. Please consult factory.

PNEUMATIC CONNECTORS—ZOC (500 PSI)

This high density 48 or 73 channel connector is a very popular bulkhead quick disconnect containing either .063 inch O.D. tubulations or .040 inch O.D. tubulations. This pneumatic connector is also used on our ZOCTCU Thermal Control Units. It can be used up to 500 psi.

To Order, Specify:

73	ZOC	M	063
No. of Tubes	Model	Connector Type	Tubulation Size
-48 (.063 only) -73 (.040 or .063)		M-Male FB-Female Bulkhead	-063 O.D. -040 O.D.



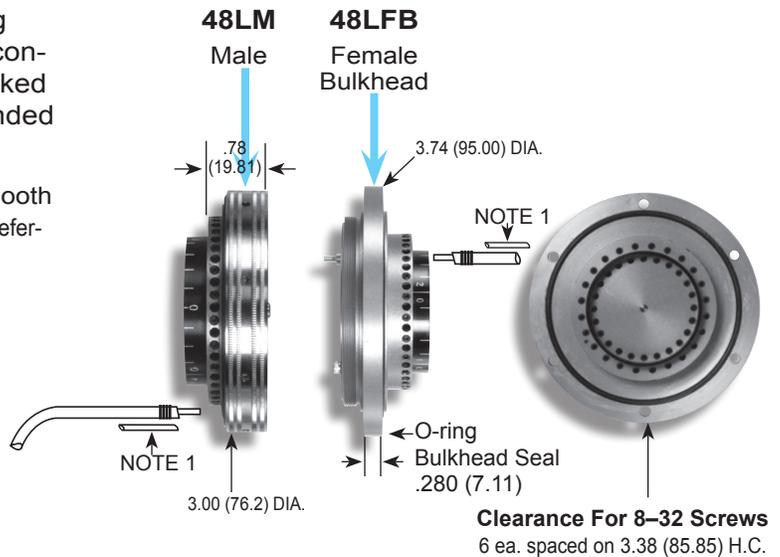
HIGH PRESSURE “L” CONNECTORS (1500 PSI)

The 48L series connectors are ideal for making quick disconnects at test break points. These connectors accept stainless steel tubing that is locked via a set screw. This tubing must be smooth ended .063 stainless steel tubing.

Note 1: Tubing supplied by customer must have smooth end, or order ScanCo #TUBN-063-X. (See page 3 for reference.)

To Order, Specify:

ScanCo #	48	L	M
No. of Tubulations	Model	Connector Type	
		M-Male FB-Female Bulkhead	



Caps are available to blank off half of the connector.
To cap off 48LM connector, order no. 6245-1.
To cap off 48LFB connector, order no. 6244-1.