VALCO FITTINGS

Tees and Crosses

Tees

Tees connect three lines. Standard material is 300 series stainless. Also available in Hastelloy C, gold plated stainless, and titanium.

Tubing OD	Bore	Prod No	Price
1/32"	0.25 mm 0.50 mm	ZT.5 ZT.5L	
1/16"	0.25 mm 0.50 mm	ZT1C ZT1M	
	0.75 mm 1.00 mm	ZT1 ZT1L	
1/8"	0.75 mm 2.00 mm	ZT2 ZT2L	
1/4"	1.00 mm 4.60 mm	ZT4 ZT4L	



Crosses connect four lines. Standard material is 300 series stainless. Also available in Hastelloy C, gold plated stainless, and titanium.

Tubing OD	Bore	Prod No	Price
1/32"	0.25 mm 0.50 mm	ZX.5 ZX.5L	
1/16"	0.25 mm 0.50 mm 0.75 mm 1.00 mm	ZX1C ZX1M ZX1 ZX1L	
1/8"	0.75 mm 2.00 mm	ZX2 ZX2L	
1/4"	1.00 mm 4.60 mm	ZX4 ZX4L	





MORE INFORMATION

PEEK tees.... pages 57, 64 PEEK crosses57, 64

SPECIAL METALS AND/OR SMALLER BORES

See microvolume connectors: 1/32" and 1/16" tees, crosses, Y's, and unions in various metals and polymers, with smaller bores.

Microvolume

connectorspp 22-23 High pressure PEEK connectors..63-66 Nanovolume connectors57-61

TECH TIP

To join tubes of different ODs, use the fitting sized for the largest tube along with IZR reducers for the smaller tubes.

IZR reducer..... page 34

0.25 mm	= .010"
0.50 mm	= .020"
0.75 mm	= .030"
1.0 mm	= .040"
1.5 mm	= .060"
2.0 mm	= .080"
4.6 mm	= .180"
6.0 mm	= .236"
6.4 mm	= .253"
7.0 mm	= .275"
10.0 mm	= .400"
27.0 mm	= 1.08"
1/32" =	0.8 mm
1/16" =	1.6 mm
1/8" =	3.2 mm
1/4" = 3/8" = 1/2" =	

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VALCO FITTINGS

Manifolds



1/16" Manifolds

1/16" manifolds connect 4 - 16 inlet lines to a single outlet, and are often used to connect the outlets from several columns to a single detector. The unique angled entry of our design reduces dispersion to a minimum. Available with 1.00 mm inlet/outlet bore. Standard materials are PEEK or 300 series stainless.

		Inlet bore	Outlet bore	Material	Prod No	Price
4 in	lets	0.25 mm 0.25 mm	0.75 mm 0.75 mm	Stainless steel PEEK	Z4M1 Z4M1PK	
6 in	lets	0.25 mm 0.25 mm	0.75 mm 0.75 mm	Stainless steel PEEK	Z6M1 Z6M1PK	
8 in	lets	0.25 mm 0.25 mm	0.75 mm 0.75 mm	Stainless steel PEEK	Z8M1 Z8M1PK	
10 i	nlets	0.25 mm 0.25 mm	0.75 mm 0.75 mm	Stainless steel PEEK	Z10M1 Z10M1PK	
12 i	nlets	0.25 mm 0.25 mm	0.75 mm 0.75 mm	Stainless steel PEEK	Z12M1 Z12M1PK	
14 i	nlets	0.25 mm 0.25 mm	0.75 mm 0.75 mm	Stainless steel PEEK	Z14M1 Z14M1PK	
16 i	nlets	0.40 mm	0.75 mm	PEEK	Z16M1PK	

1/8" Manifolds

1/8" manifolds connect 4 - 12 inlet lines to a single outlet, and are typically used in a gas distribution system to minimize the number of fitting connections. A manifold pipe fitting version is also available. (*See page 37*.) Standard material is 300 series stainless steel.

	Inlet bore	Outlet bore	Prod No	Price
4 inlets	2.00 mm	2.00 mm	Z4M2	
6 inlets	2.00 mm	2.00 mm	Z6M2	
8 inlets	2.00 mm	2.00 mm	Z8M2	
10 inlets	2.00 mm	2.00 mm	Z10M2	
12 inlets	2.00 mm	2.00 mm	Z12M2	



A manifold used with an SD flowpath multiposition valve allows HPLC column

TECH TIP

SD UW valves.....pg 132

selection with a single valve. See page 139 for an illustration.

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