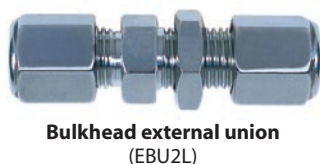
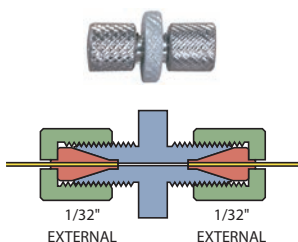


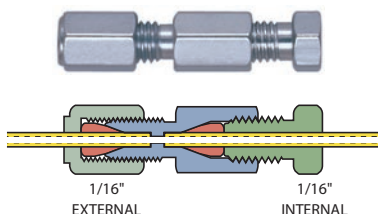
External union
Through-bore version
(EU4T)
Ends of tubing butt together



Bulkhead external union
(EBU2L)



1/32" external union
(EU.5)
For use with GC capillary columns



External/internal union
Standard bore
(EZU1)
Adapts existing external fittings
to Valco zero volume internal fittings



Bulkhead external/internal union
(EZBU1)

External unions

Standard material is 300 series stainless. Also available in Hastelloy C and gold-plated stainless.

Note: Because 1/16" external fittings have very thin, easily distorted walls, they are not as durable as 1/16" internal fittings. We recommend the use of external/internal unions (below) when connecting to an installed external nut.

Tubing OD	Bore	Standard		Bulkhead		Bulkhead panel hole diameter	
		Prod No	Price	Prod No	Price		
1/16"	See note above						
1/8"	1.0 mm	EU2		-		-	
	2.0 mm	EU2L		EBU2L		5/16"	
	1/8"	EU2T		EBU2T		5/16"	
1/4"	2.0 mm	EU4		EBU4		7/16"	
	4.6 mm	EU4L		EBU4L		7/16"	
	1/4"		EU4T		EBU4T		7/16"

External unions – 1/32" ultra low mass

The 1/32" external union is specially designed for use with capillary columns in GC. It is very low mass and does not require wrenches to seal. Use *only* with one-piece fused silica adapters, since metal ferrules will distort the detail. Order fused silica adapters separately (page 16). Standard material is 300 series stainless.

Bore	Prod No	Price
0.25 mm	EU.5	
0.50 mm	EU.5L	
1/32"	EU.5T	

External/internal unions

Standard material is 300 series stainless. Also available in Hastelloy C and gold-plated stainless.

Tubing OD	Bore	Standard		Bulkhead		Bulkhead panel hole diameter
		Prod No	Price	Prod No	Price	
1/32"	0.25 mm	EZU.5		-		-
	0.50 mm	EZU.5L		-		-
1/16"	0.25 mm	EZU1C		EZBU1C		5/16"
	0.50 mm	EZU1M		EZBU1M		5/16"
	0.75 mm	EZU1		EZBU1		5/16"
	1/16"	EZU1T		EZBU1T		5/16"
1/8"	1.0 mm	EZU2		EZBU2		7/16"
	2.0 mm	EZU2L		EZBU2L		7/16"
	1/8"	EZU2T		EZBU2T		7/16"