

Unions

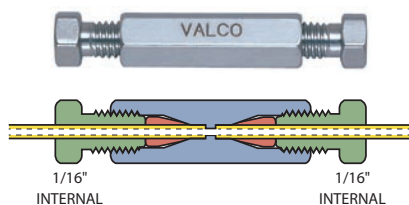
Internal unions – stainless steel

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

Standard internal unions

Tubing

| OD | Bore | Prod No | Price |
|-------|---------|---------|-------|
| 1/32" | 0.15 mm | ZU.5XC | |
| | 0.25 mm | ZU.5 | |
| | 0.50 mm | ZU.5L | |
| | 1/32" | ZU.5T | |
| 1/16" | 0.15 mm | ZU1XC | |
| | 0.25 mm | ZU1C | |
| | 0.50 mm | ZU1M | |
| | 0.75 mm | ZU1 | |
| | 1.0 mm | ZU1L | |
| | 1/16" | ZU1T | |
| 1/8" | 0.75 mm | ZU2 | |
| | 2.0 mm | ZU2L | |
| | 1/8" | ZU2T | |
| 1/4" | 0.75 mm | ZU4 | |
| | 4.6 mm | ZU4L | |
| | 1/4" | ZU4T | |



Internal union – metal
Standard bore version
(ZU1)

Ends of tubing seat squarely
at bottoms of fitting details

Bulkhead internal unions

Tubing

| OD | Bore | Prod No | Price | Bulkhead panel hole diameter |
|-------|---------|---------|-------|------------------------------|
| 1/32" | 0.15 mm | ZBU.5XC | | 5/16" |
| | 0.25 mm | ZBU.5 | | 5/16" |
| | 0.50 mm | ZBU.5L | | 5/16" |
| | 1/32" | ZBU.5T | | 5/16" |
| 1/16" | 0.15 mm | ZBU1XC | | 5/16" |
| | 0.25 mm | ZBU1C | | 5/16" |
| | 0.50 mm | ZBU1M | | 5/16" |
| | 0.75 mm | ZBU1 | | 5/16" |
| | 1.0 mm | ZBU1L | | 5/16" |
| | 1/16" | ZBU1T | | 5/16" |
| 1/8" | 0.75 mm | ZBU2 | | 7/16" |
| | 2.0 mm | ZBU2L | | 7/16" |
| | 1/8" | ZBU2T | | 7/16" |
| 1/4" | 0.75 mm | ZBU4 | | 5/8" |
| | 4.6 mm | ZBU4L | | 5/8" |
| | 1/4" | ZBU4T | | 5/8" |



Bulkhead internal union – metal
(ZBU1)

MORE INFORMATION

Internal unions, high pressure PEEK ... p 57,65

For special materials and/or smaller bores:

Microvolume connectors offer a complete range of 1/32" and 1/16" unions in various metals and polymers, with bore sizes ranging from .006" (0.15 mm) to .040" (1.0 mm). Refer to pages 22-23.

| | | |
|---------|---|---------|
| 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" | = | 6.4 mm |
| 3/8" | = | 9.5 mm |
| 1/2" | = | 12.7 mm |

| | | | | |
|-------|---|-------|---|---------|
| 5/16" | = | .312" | = | 7.9 mm |
| 3/8" | = | .375" | = | 9.5 mm |
| 7/16" | = | .437" | = | 11.1 mm |