



new

Vu2 Union™

Maintain Press-Tight® Seal Integrity

HROMalytic +61(0)3 9762 2034
ECHnology Pty Ltd
Website NEW : www.chromalytic.com.au E-mail : info@chromtech.net.au Tel: 03 9762 2034 . . . in AUSTRALIA

Australian Distributors
Importers & Manufacturers
www.chromtech.net.au

REFTEK

Vu2 Union™ Connector*

Maintain Press-Tight® Seal Integrity

- ✓ Connect a guard column to an analytical column.
- ✓ Connect a column to a transfer line.
- ✓ Connect two columns in series.
- ✓ Repair a broken column.

Feature

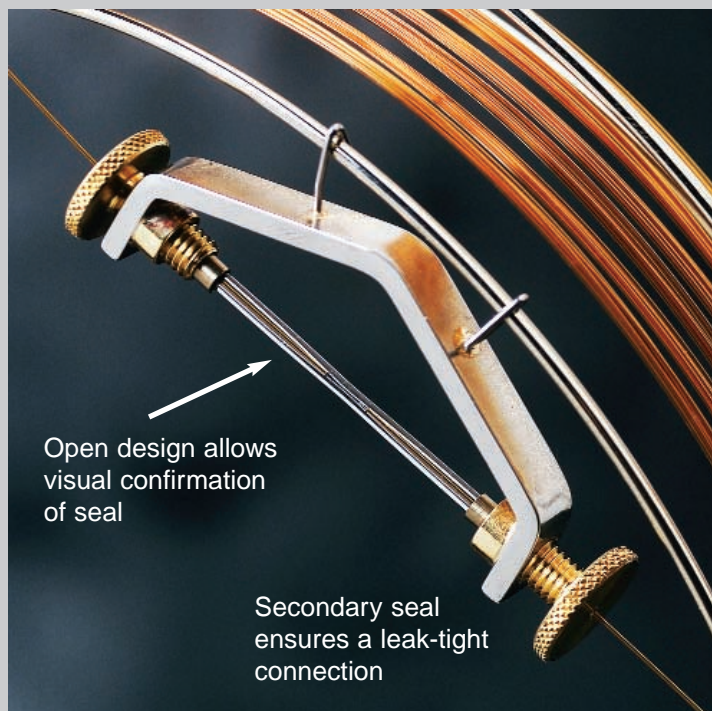
Benefit

Reliable seal integrity	Will not unexpectedly disconnect during temperature-programmed analyses
Accommodate Restek Universal Press-Tight® connectors	Fit Restek and other columns from 0.33–0.74mm OD (0.1–0.53mm ID)
Open design	Visually confirm the seal, for added confidence in the connection

www.restekcorp.com

Restek's Vu2 Union™ connector combines the simplicity of a Press-Tight® union with the strength of a metal union. The Vu2 Union™ connector reliably couples one analytical column to another, or to a transfer line or guard column. The columns cannot unexpectedly disconnect, even at temperatures as high as 400°C.

*Patent pending



RESTEK

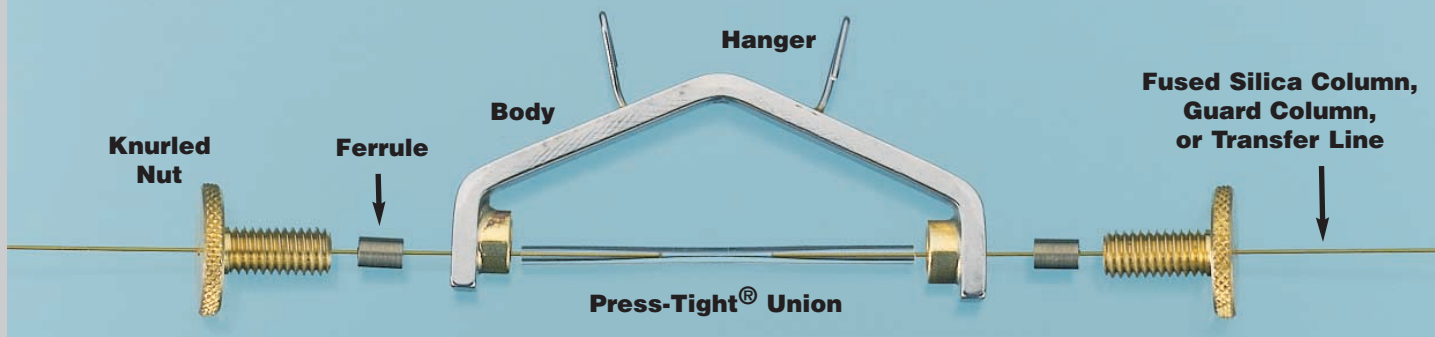
HROMalytic +61(0)3 9762 2034
ECHnology Pty Ltd

Australian Distributors
Importers & Manufacturers
www.chromtech.net.au

Website NEW : www.chromalytic.com.au E-mail : info@chromtech.net.au Tel: 03 9762 2034 . . . in AUSTRALIA

Figure 1

The Vu2 Union™ connector's open design allows visual confirmation of seal; secondary seals ensure a leak-tight connection



How does a Vu2 Union™ connector work?

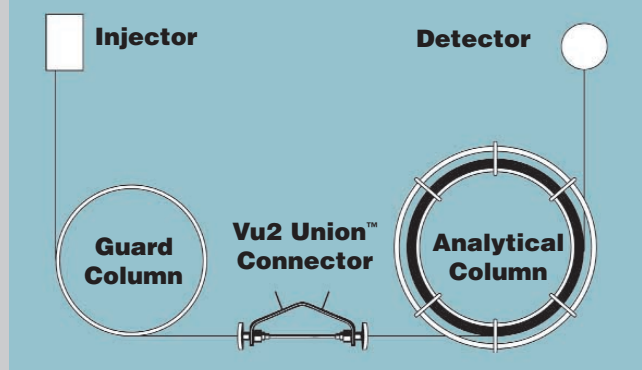
A Press-Tight® union in the Vu2 Union™ connector (Figure 1) joins the fused silica ends together; the ferrule and knurled nut at each end of the connector hold the tubing in place via a secondary seal between the ferrule and the Press-Tight® union. Each knurled nut applies independent pressure to each ferrule, to make a leak-tight seal with the column end. These ultra-strong connections will not unexpectedly disconnect under temperature changes, vibrations, or other stresses normally encountered in GC analyses. The open design allows visual confirmation of the seal between the column and the Press-Tight® union, to ensure confidence in the connection. Hang the connector from the column cage, to minimize stress on the connections.

Who will benefit from using Vu2 Union™ connectors?

Any analyst using guard columns, transfer lines, or restrictor tubing, performing a dual-column analysis with columns connected in series, or seeking to repair a broken column will find Vu2 Union™ connectors the simple, reliable, easy-to-use solution to their connection needs (Figure 2).

Figure 2

A guard column connected to an analytical column by a Vu2 Union™ connector.



Restek
Innovation!

Product Listing

Vu2 Union™ Connector

- Connect a guard column to an analytical column.
- Connect a column to a transfer line.
- Connect two columns in series.
- Repair a broken column.

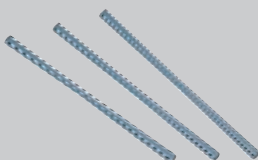


Kits include: Vu2 Union™ body, 2 knurled nuts, 2 Press-Tight® unions, and 4 ferrules

Description	Fits Column ID	qty.	cat.#
Vu2 Union™ Connector	0.15–0.25mm	kit	21105
Vu2 Union™ Connector	0.28/0.32mm	kit	21106
Vu2 Union™ Connector	0.45/0.50 & 0.53mm	kit	21107
Knurled Nut		2-pk.	21108

Deactivated, Universal Press-Tight® Connectors

- High-temperature silanization for excellent inertness.
- Ideal for trace analysis of active compounds.
- Ideal for analysis of pesticides, semivolatile pollutants, or clinical/forensic samples.



qty.	cat.#
5-pk.	20429
25-pk.	20430
100-pk.	20431

Universal Press-Tight® Connectors

- Connect guard columns to analytical columns.
- Repair broken columns.
- Connect column outlets to transfer lines.

qty.	cat.#
5-pk.	20400
25-pk.	20401
100-pk.	20402

Graphite Ferrules

- High-purity, high-density graphite.
- Smoother surface and cleaner edges than conventional graphite ferrules.
- Contain no binders that can off-gas or adsorb analytes.
- Stable to 450°C.



Ferrule ID	Fits Column ID	Graphite 2-pk.	Graphite 10-pk.
0.4mm	0.18–0.25mm	20280	20281
0.5mm	0.28/0.32mm	20282	20283
0.8mm	0.45/0.50 & 0.53mm	20284	20285

Polar-Deactivated Guard Columns

Nominal ID	Nominal OD	5-Meter	10-Meter	30-Meter**	60-Meter**†
0.25mm	0.37 ± 0.04mm	10065	10068	10014	10015
0.32mm	0.45 ± 0.04mm	10066	10069	10024	10025
0.53mm	0.69 ± 0.05mm	10067	10070	10034	10035

Intermediate-Polarity Deactivated Guard Columns & Transfer Lines

Nominal ID	Nominal OD	1-Meter	5-Meter	5-Meter/6-pk.
0.025mm*	0.363 ± 0.012mm	10097		
0.05mm	0.363 ± 0.012mm	10098	10040	10040-600
0.075mm*	0.363 ± 0.012mm	10099		
0.10mm	0.363 ± 0.012mm	10100	10041	
0.15mm	0.363 ± 0.012mm	10101	10042	
0.18mm	0.37 ± 0.04mm	10102	10046	
0.25mm	0.37 ± 0.04mm		10043	10043-600
0.28mm	0.37 ± 0.04mm		10003	10003-600
0.32mm	0.45 ± 0.04mm		10044	10044-600
0.45mm	0.69 ± 0.04mm		10005	10005-600
0.53mm	0.69 ± 0.05mm		10045	10045-600

Nominal ID	Nominal OD	10-Meter	10-Meter/6-pk.	30-Meter**	60-Meter**†
0.25mm	0.37 ± 0.04mm	10049	10049-600	10012	10013
0.32mm	0.45 ± 0.04mm	10048	10048-600	10022	10023
0.53mm	0.69 ± 0.05mm	10047		10032	10033

*Not tested with the Grob test mix because of a large pressure drop.

**30- and 60-meter lengths are banded in 5-meter sections.

†Recommendation: Cut 60m guard columns into shorter lengths. Using full length may cause peak distortion.



Lit. Cat.# 59505

©2003 Restek Corp.

Restek trademarks: Press-Tight, Vu2 Union, and the Restek logo. ©2003 Restek Corp.

