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siELC







A NEW COLUMN FORMAT FOR MODERN HPLC



FUTURE OF LIQUID CHROMATOGRAPHY

HPLC COLUMN OF THE FUTURE

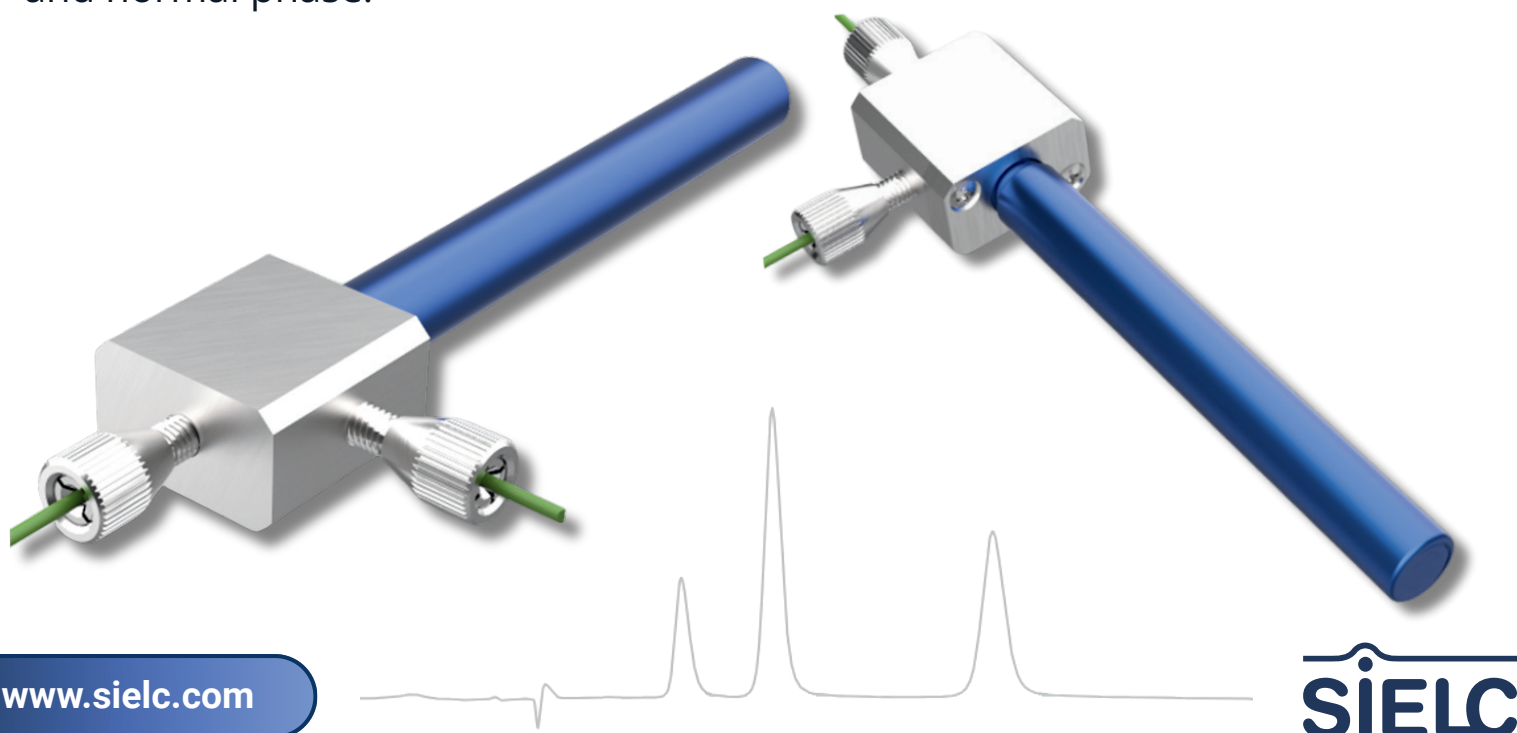
For as long as people have performed HPLC, they have used the same column format, the same method of connecting the column to the system, and they have encountered the same problems:

-  Clogging at the tube-column junction
-  Leakage around the high pressure solvent connections
-  Sorting through many available high pressure fittings
-  Installation problems with tubing to achieve minimum dead volume
-  Selecting the proper tube length and ID
-  There is not enough space on a short column to place a full-size label

SIELC INTRODUCES A NEW SINGLE ENDED COLUMN DESIGN

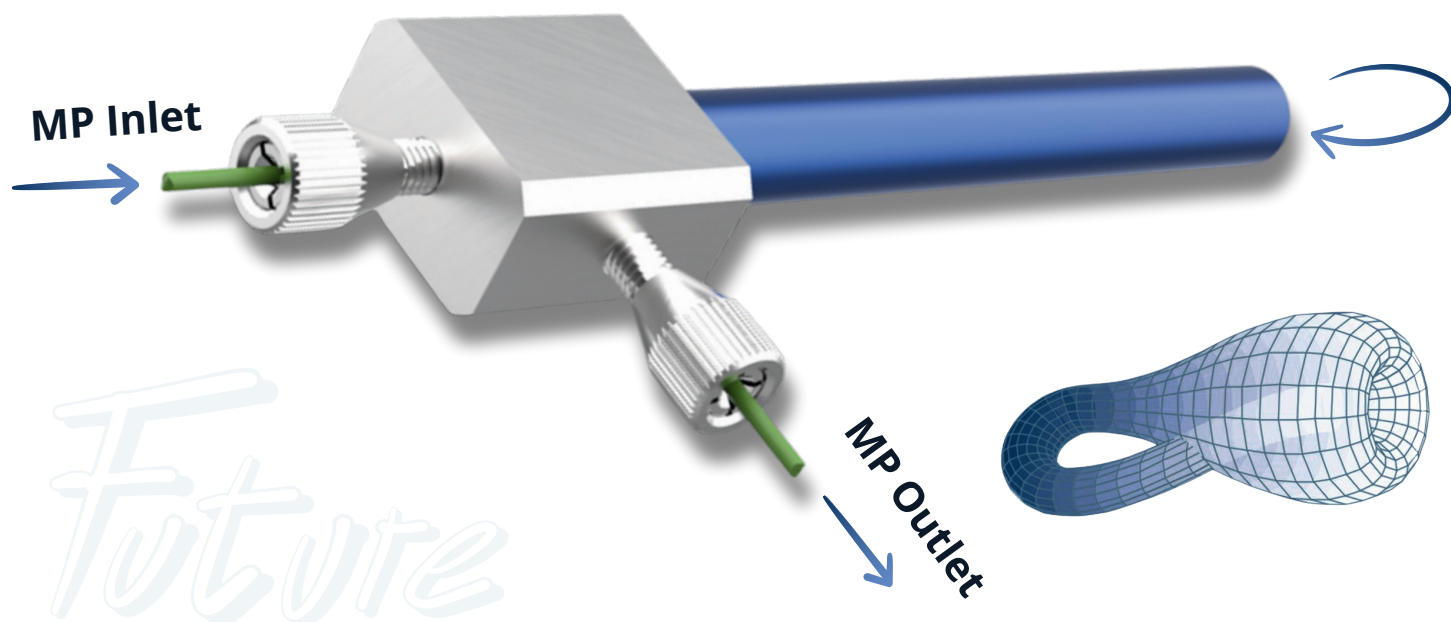
To address these issues, a new column design was developed. This column, along with its corresponding adapter, completely eliminates the need for any high-pressure fittings or tubing, while also minimizing all possible dead volumes. Furthermore, if a leak ever occurs at the high-pressure column inlet, the mobile phase is contained within the column adapter—preventing any external leakage.

All SIELC and traditional columns available in a new format, including C18, HILIC, ion exchange, mixed-mode, ion exclusion, size exclusion, protein, BIST, and normal phase.



HPLC COLUMN OF THE FUTURE

HOW IT WORKS?



ADAPTER



Near-zero dead volume column connection.
No fittings need to be disconnected to replace the column.



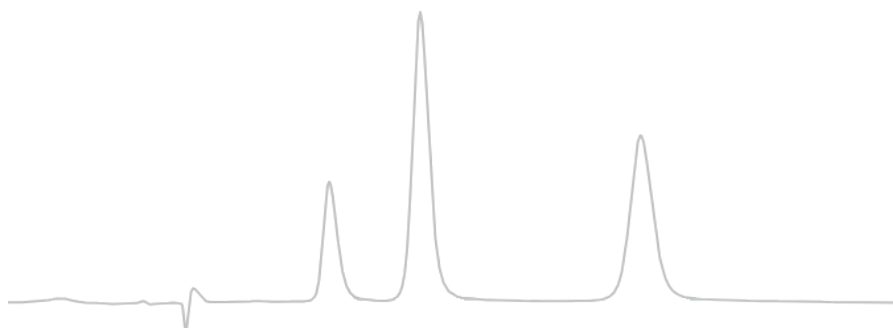
Stainless steel adapter for high-pressure applications, compatible with all standard HPLC fittings.



Smooth, protrusion-free body allows full-size labeling even on the shortest column.



Aluminum column body ensures even and efficient heat transfer.



CONTACT US



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For Accounts Payable

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For Method Development

Email: research@sielc.com

We offer free HPLC method development tailored to your specific compounds, ensuring optimized separations with reliable, reproducible results. Free custom solutions—designed for seamless analytical performance.

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Please do not hesitate to give us a call at +1 (847) 229-2629 or send us an email at mail@sielc.com if you have any questions at all.

