



# velocity<sup>®</sup>

## analytical columns

Liquid chromatography is no longer limited to the "one column, one assay" setup. Researchers are now being asked to screen thousands upon thousands of compounds, all in less time. This is why Optimize Technologies offers Velocity - a true quick-connect analytical column system.

Velocity incorporates the Opti-Lynx™ system to provide connections in a quarter-turn. Rated to 6,000 psi, Velocity columns are individually quality tested and certified to guarantee analytical performance. Opti-Lynx quick-connect technology allows columns to be changed effortlessly: scale down column dimensions, switch between stationary phases, or swap methods in seconds - all without the use of tools.

Need to use a pre-column filter or guard column? With Velocity's integral pre-column protection hardware, adding or changing guard columns and filters is as easy as changing Velocity columns - just grab and twist.

Most importantly, Velocity and Opti-Lynx hardware will not adversely affect your chromatographic applications. Velocity is not plagued by the shortcomings of other cartridge column designs - excessive dead volumes or hardware that is not an improvement over conventional designs. Velocity has been meticulously engineered to the most stringent of standards. All connections conduct liquid through low-volume interfaces minimizing hardware contributions to dispersion and peak broadening.

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## At the speed of discovery.



## how does velocity<sup>®</sup> work?

VELOCITY is based on the Opti-Lynx™ system, so it uses the same four basic components: bayonet connector, insert, slotted connector, and holder cap. All columns of the same length share the same external dimensions, so switching between different IDs and packings requires no change in hardware configuration. To see a demonstration, go to [www.optimizech.com/velocityhplc](http://www.optimizech.com/velocityhplc).

A simple quarter-turn engages the **optilynx™** connection.

**Velocity<sup>®</sup>** is an improvement over other conventional designs plagued with excessive dead volume or cumbersome hardware.

Need to change column lengths? No problem. Just unscrew and install the appropriate slotted



connector tube - no need to re-plumb any solvent lines. Once you are ready to go, a simple quarter-turn engages the Opti-Lynx connection. The actuation torque is so small, it's easier than opening a pickle jar.

### PHASES & CHEMISTRIES

VELOCITY cartridge columns are available in multiple ODS materials, each available in 3  $\mu\text{m}$  and 5  $\mu\text{m}$  particle sizes. We also offer a selection of custom phases.

For more information or to order Velocity, visit our website at [www.optimizech.com](http://www.optimizech.com) or call 800-669-9015.