

Quality by Design

Exceptional performance for molecular purification
– sorbents, preparative columns & guards

Waters™

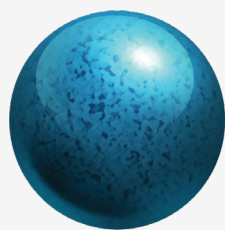
Product outcome is paramount

We strive for optimal products, designed to be fit for purpose. We then seek to understand every parameter that makes the difference, monitor and control them so that our customers receive only the highest quality consumables consistently.



QUALITY

We manufacture under the same regulatory requirements our customers adhere to: ISO 9001, ISO 13485, ISO 17025, ISO 17034. We are also FDA registered. Unlike most other suppliers, we control every step in the process – from raw materials to final product.



Precision particles

Sorbents packings are synthesized and produced frequently so the process is well-understood. We go beyond just bonding ligands to base particles others have produced. Rather, we build them from the raw materials and evolve them through several highly-controlled processing steps to the final particles packed inside our preparative columns.



Robust OBD™ column design

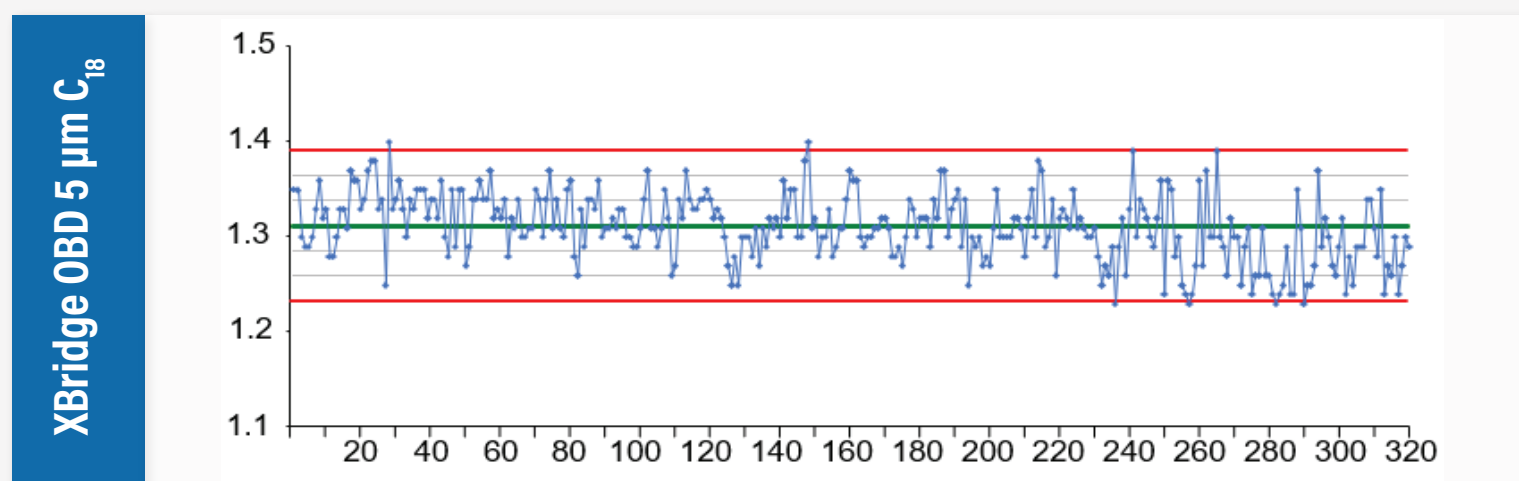
Optimized for the demands of preparative separations, the OBD (optimal bed density) Preparative Column design and sorbent packing process results in uniform sorbent bed density profiles throughout the column, reducing cost through extended column lifetimes.



Reliable, scalable columns

Remarkably stable, the high-quality OBD design exhibits exceptional resistance to mechanical bed failure and delivers consistent column-to-column performance. Direct and predictable scale up from analytical to prep requires chromatographically equivalent columns with comparable bed densities.

20+ Years of Media Batch Production Conformance Data*

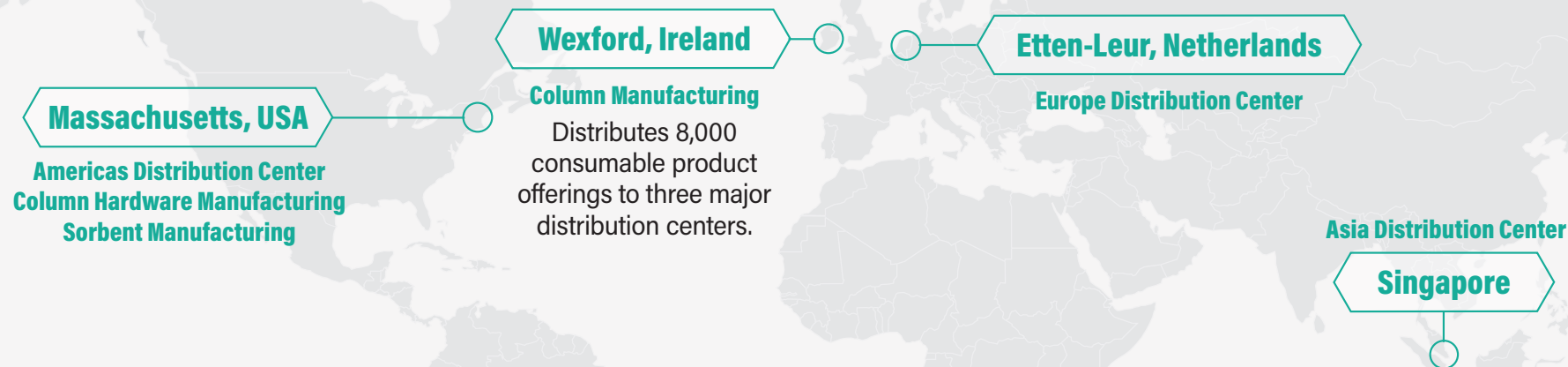


* Actual quality data reflecting relative retention for more than 300 batches of sorbent produced. A near-statistical control of process has been achieved demonstrating an extremely robust design of manufacturing process.



SUPPLY

Waters™ Global Operations Team monitors and tracks product demand through our worldwide network of manufacturing and distribution centers to ensure we are meeting the needs of our customers.



Even though the SARS-CoV-2 pandemic created some global logistical issues, Waters delivered 99.8% of our highest running part numbers on time.



SUPPORT

Waters offers regional support in over 100 countries and 35 languages, plus web-based tools and calculators to help our customers succeed.

Waters.com Resources:

Preparative LC Hub

Applications and resources for all things liquid chromatography purification to help your lab with preparative separations workflows.

Column Coach

A helpful guide for selecting your next reversed-phase column. Find sorbents similar to phases in use or that can provide alternate selectivity.

Waters Knowledge Base

A library of previously asked questions and answers.

Preparative OBD Columns Calculator

Online tool that performs all the calculation necessary for properly scaling up a separation from analytical to prep LC.



SUSTAINABILITY

Production facilities, green-powered and critical to helping us grow sustainably.

Wexford, Ireland - This plant is where we primarily pack our chromatography columns. This Chemistry Manufacturing Operations facility sources 100% of its electricity from renewable and low-carbon electricity.

Taunton, Massachusetts (USA) - This Precision Chemical Manufacturing Facility (built in late 2022) has achieved LEED (Leadership in Energy and Environmental Design) certification. It is a state-of-the-art facility which not only expands sorbent production to serve increased customer demand, but also yields greater levels of operational efficiency.



Click to learn more about our columns.

PREP Solutions

HPLC Columns

UPLC Columns

PREP Columns

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