

Waters Symmetry : tales of its reproducibility continue... / Waters Corporation.

Contributors

Waters Corporation.

Publication/Creation

London : Waters Corporation, 1997.

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Waters

Symmetry® 3.5 µm Columns

Dimension(mm)	1.0 x 150	2.1 x 50	4.6 x 50	4.6 x 75	4.6 x 100	4.6 x 150
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C18	WAT248059	WAT200650	WAT200625	WAT066224	WAT066220	WAT200632
C8	WAT248072	WAT200624	WAT200620	WAT066200	WAT066204	WAT200630
Price	£279.00	£188.00	£188.00	£199.00	£221.00	£260.00

Symmetry® 3.5 µm Cartridge Columns*

Dimension(mm)		4.6 x 75	4.6 x 100
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C18		WAT066260	WAT066265
C8		WAT066210	WAT066215
Price		£177.00	£205.00

Symmetry® 5 µm Columns

Dimension(mm)	2.1 x 150	3.0 x 150	3.9 x 150	4.6 x 150	4.6 x 250	Sentry™ Guard Column** 3.9 x 20
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C18	WAT056975	WAT054200	WAT046980	WAT045905	WAT054275	WAT054225
C8	WAT056955	WAT054230	WAT046970	WAT045995	WAT054270	WAT054250
Price	£221.00	£221.00	£221.00	£221.00	£277.00	£78.00

Symmetry® 5 µm Cartridge Columns*

Dimension(mm)	3.9 x 50	3.9 x 150	4.6 x 150	4.6 x 250
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C18	WAT054220	WAT054205	WAT054210	WAT054215
C8	WAT054240	WAT054235	WAT054255	WAT054245
Price	£122.00	£188.00	£188.00	£232.00

SymmetryShield™ RP8 3.5 µm Columns

Dimension(mm)	2.1 x 50	4.6 x 50	4.6 x 75	4.6 x 100	4.6 x 150
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Part No.	WAT094257	WAT094260	WAT094263	WAT094266	WAT094269
Price	£188.00	£188.00	£199.00	£221.00	£260.00

SymmetryShield™ RP8 3.5 µm Cartridge Columns*

Dimension(mm)		4.6 x 75	4.6 x 100
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Part No.		WAT094272	WAT094275
Price		£177.00	£205.00

SymmetryShield™ RP8 5 µm Columns

Dimension(mm)	2.1 x 150	3.0 x 150	3.9 x 150	4.6 x 150	4.6 x 250	Sentry™ Guard Column** 3.9 x 20
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Part No.	WAT094245	WAT094243	WAT200655	WAT200662	WAT200670	WAT200675
Price	£221.00	£221.00	£221.00	£221.00	£277.00	£78.00

SymmetryShield™ RP8 5 µm Cartridge Columns*

Dimension(mm)	3.9 x 50	3.9 x 150	4.6 x 150	4.6 x 250
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Part No.	WAT094248	WAT200658	WAT200665	WAT200661
Price	£122.00	£188.00	£188.00	£232.00

SymmetryPrep™ 7 µm Columns

Dimension(mm)	7.8 x 150	7.8 x 300	19 x 150	19 x 300
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C18	WAT066288	WAT066235	WAT066240	WAT066245
C8	WAT066285	WAT066225	WAT066228	WAT066230
Price	£546.00	£656.00	£1,098.00	£1,379.00

Description

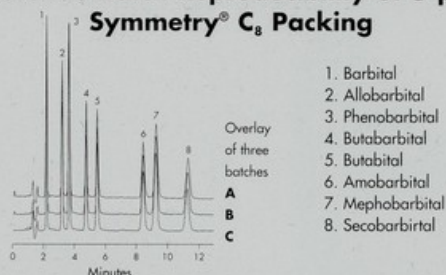
Description	Part No.	Price
Endfittings	WAT037525	£105.00
Integrated Guard Holder (for Waters steel cartridge columns only)	WAT046905	£51.00
Universal Guard Holder (for any HPLC column)	WAT046910	£67.00

* Requires reusable endfittings

** Guard columns require the appropriate Sentry Guard Holder. (3.9 x 50 mm cartridge columns must use the Universal Guard Holder)

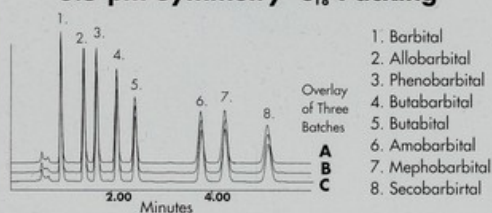
Symmetry® Validation Kits allow the chromatographer to check a method for long term ruggedness. The kit consists of three columns packed with three different Symmetry® batches. Kits are available in many different particle sizes and dimensions. Call for details.

Batch-to-Batch Reproducibility of 5 μ m Symmetry[®] C₈ Packing



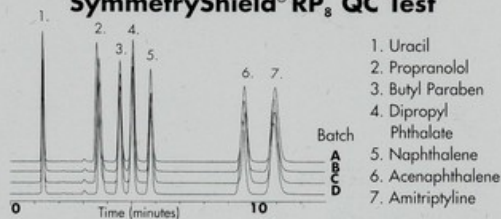
Column: Symmetry[®] C₈ 5 μ m (3.9 mm x 150 mm)
Flow Rate: 1.0 mL/min
Mobile Phase: 100 mM potassium phosphate pH 7.0/ acetonitrile/water 20:30:50
Detection: UV at 254 nm
Injection volume: 10 μ L of 25 μ g/mL of each barbiturate

Batch-to-Batch Reproducibility of 3.5 μ m Symmetry[®] C₁₈ Packing



Column: Symmetry[®] C₁₈ 3.5 μ m (4.6 x 100 mm)
Flow Rate: 1.8 mL/min
Mobile Phase: 100mM potassium phosphate (pH 6.9)/ acetonitrile/water 20:30:50
Detection: UV at 214 nm
Injection volume: 10 μ L of 25 μ g/mL of each barbiturate

Batch-to-Batch Reproducibility SymmetryShield[®] RP₈ QC Test



Column: SymmetryShield[™] RP₈ (3.9 mm x 150 mm)
Flow Rate: 1 mL/min
Mobile Phase: 65% Methanol, 35% pH 7 K₂HPO₄
Detection: UV at 254 nm
Sample: pH 7 QC Test Mix



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 raise your expectations —
 in all particle sizes,
 in all chemistries.

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and for a limited time

get your 1997 T-shirt free.

When ordering mention

WAT049101 for Large

or WAT049100 for Xlarge.

Call 01923 816700

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 a Waters distributor, at 01244 289289



The quality management system of Waters' manufacturing facility, Taunton, Massachusetts, complies with the International Standard ISO 9002 Quality Management and Quality Assurance Standards. Waters' quality management system is periodically audited by the registering body to ensure compliance.

Duane Mauzey
McGaw Inc.

"We have high expectations in our method development process. We are concerned about time, validation, reproducibility, peak shape, and overall ease of method development. We are very pleased with Symmetry. We were able to cut our run times and mobile phase usage by 50%, and reduce our organic modifiers by 25%. Symmetry helped us simplify and enhance our method development process for the full analytical protocol."

Bob Strack
(Development Supervisor)
Schering Plough

"I started off with Symmetry columns because of their reproducibility. We developed methods in the past which were difficult to transfer to manufacturing due to column lot-to-lot variability. We also got sharper peak shapes and higher selectivity and sensitivity."

Harry Marr
(Research Scientist II)
Glaxo Wellcome

"I was impressed when I started using Symmetry columns. Symmetry provided me with better peak shapes, less tailing, higher resolution, retention and sensitivity. Also in terms of reproducibility, Symmetry was the most reliable and consistent column compared to the ones I have been using."

Jim Carron
(Cleaning Validation
Manager)

"pH is a powerful tool in methods development. With Symmetry we can employ the entire pH range from 2-7, while maintaining sharper peak definition. We use Symmetry columns for cleaning validation. Our main concern is selectivity, sensitivity and reproducibility. Furthermore, Symmetry columns last longer."

Waters

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Waters Symmetry®: Tales of reproducibility continue...

It's pretty simple. No other column in the industry delivers such a high level of batch-to-batch reproducibility, long term supply and worldwide availability. Which means you can easily transfer your HPLC methods from R&D to manufacturing, and not even break into a sweat. Of course, you don't have to take our word for it. Check out what your colleagues are saying and our chromatography examples. Then make up your own mind.

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