

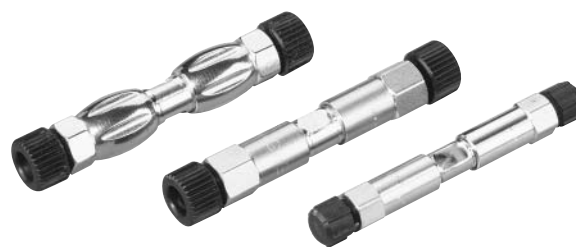
# INTRODUCTION

## INTELLIGENT SPEED (IS™) COLUMNS

Intelligent Speed (IS™) columns from Waters give today's chemist more than the raw speed they need for high-throughput HPLC.

- *Increasing throughput and productivity – more results in less time*
- *Reducing the overall cost per analysis*
- *Shortening new product development timelines*

Only IS™ columns incorporate the knowledge and intelligence necessary for today's speed requirements while maintaining peak efficiency through optimized column hardware design and packing technology. IS™ columns are available in all Waters innovative chemistries (XTerra®, Symmetry®, SymmetryShield™ and Atlantis™) with a wide variety of stationary phases, particle sizes and internal diameters.



Packing	Particle Size (µm)	Pore Size (Å)	Carbon Load %	End-Capped	Inner Diameter (I.D) (mm)	Length (mm)
XTerra® MS C <sub>18</sub>	2.5, 3.5 and 5	125	15.5	Yes	2.1, 3.0, 3.9 and 4.6	20
XTerra® MS C <sub>8</sub>	2.5, 3.5 and 5	125	12.0	Yes	2.1, 3.0, 3.9 and 4.6	20
XTerra® RP <sub>18</sub>	3.5 and 5	125	15.0	Yes	2.1, 3.0, 3.9 and 4.6	20
XTerra® RP <sub>8</sub>	3.5 and 5	125	13.5	Yes	2.1, 3.0, 3.9 and 4.6	20
Atlantis™ dC <sub>18</sub>	3 and 5	100	12.0	Yes	2.1, 3.0 and 4.6	20
Symmetry® C <sub>18</sub>	3.5 and 5	100	19.0	Yes	2.1, 3.0, 3.9 and 4.6	20
Symmetry® C <sub>8</sub>	3.5 and 5	100	11.7	Yes	2.1, 3.0, 3.9 and 4.6	20
SymmetryShield™ RP <sub>18</sub>	3.5 and 5	100	17.0	Yes	2.1, 3.0, 3.9 and 4.6	20
SymmetryShield™ RP <sub>8</sub>	3.5 and 5	100	15.0	Yes	2.1, 3.0, 3.9 and 4.6	20

***Only Waters provides you with every element critical for successful separations — columns, instrumentation, software and proven methodologies.***