

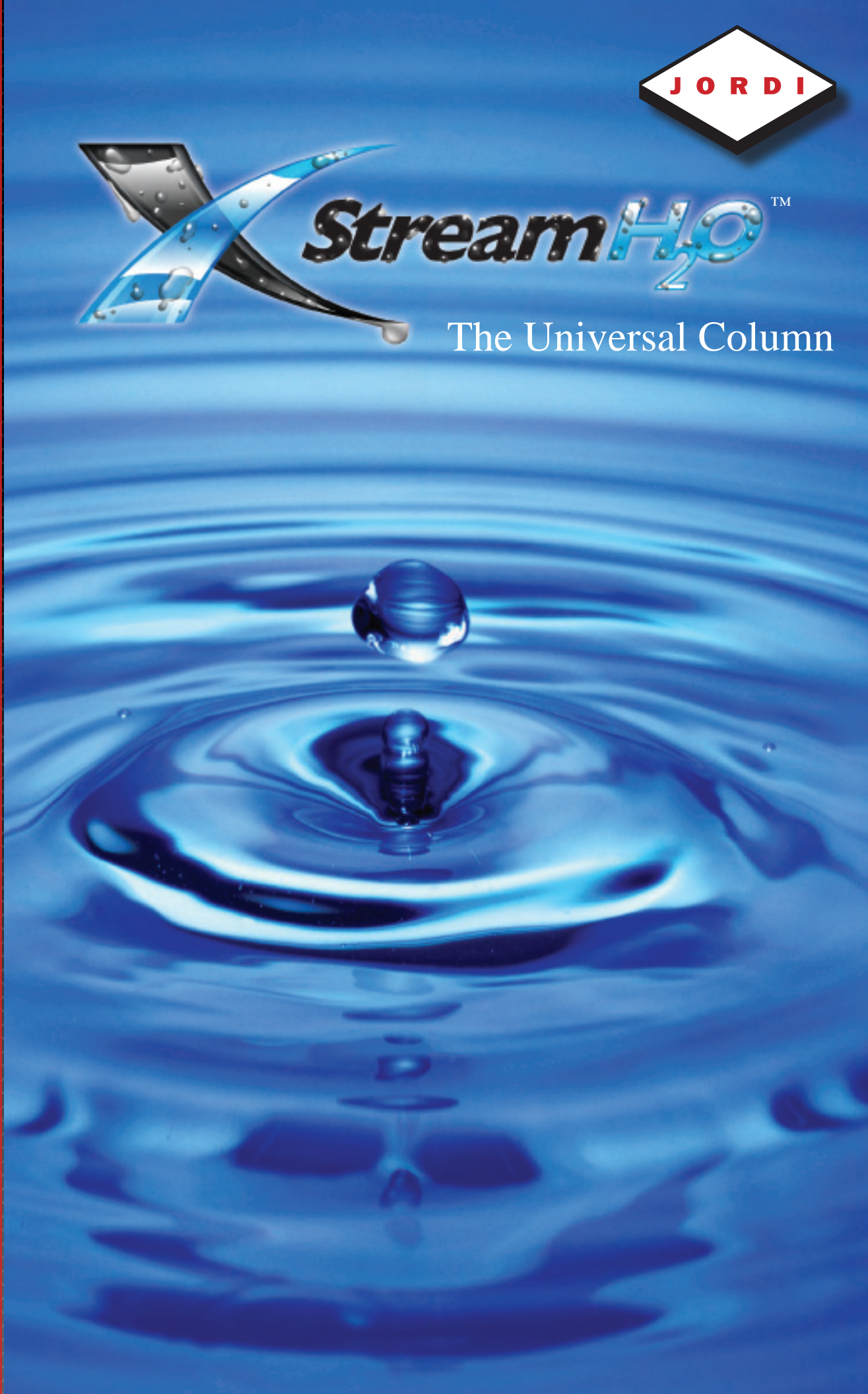
XSTREAM COLUMNS

Material Solutions. Uncompromising Integrity.



StreamH₂O™

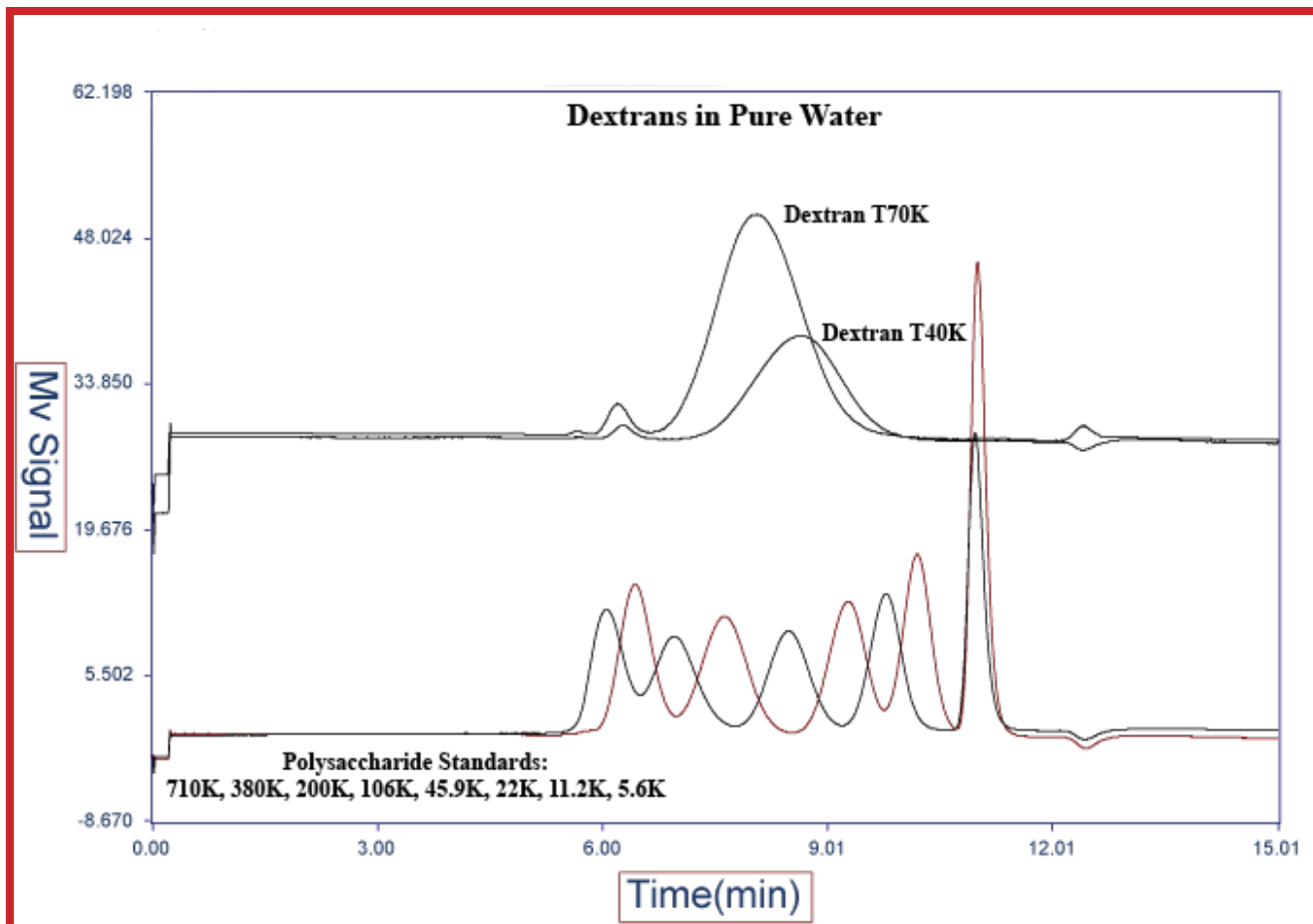
The Universal Column



The Jordi xStream H₂O™ GPC column is one of Jordi's latest innovations in SEC technology. This unique product is optimized for use in 100% aqueous, 100% organic or any mixture of mobile phases, making this product a universal GPC column. This column's polyamide-based stationary phase provides decreased sample-column interactions to provide purely size-based separations in the appropriate mobile phase.

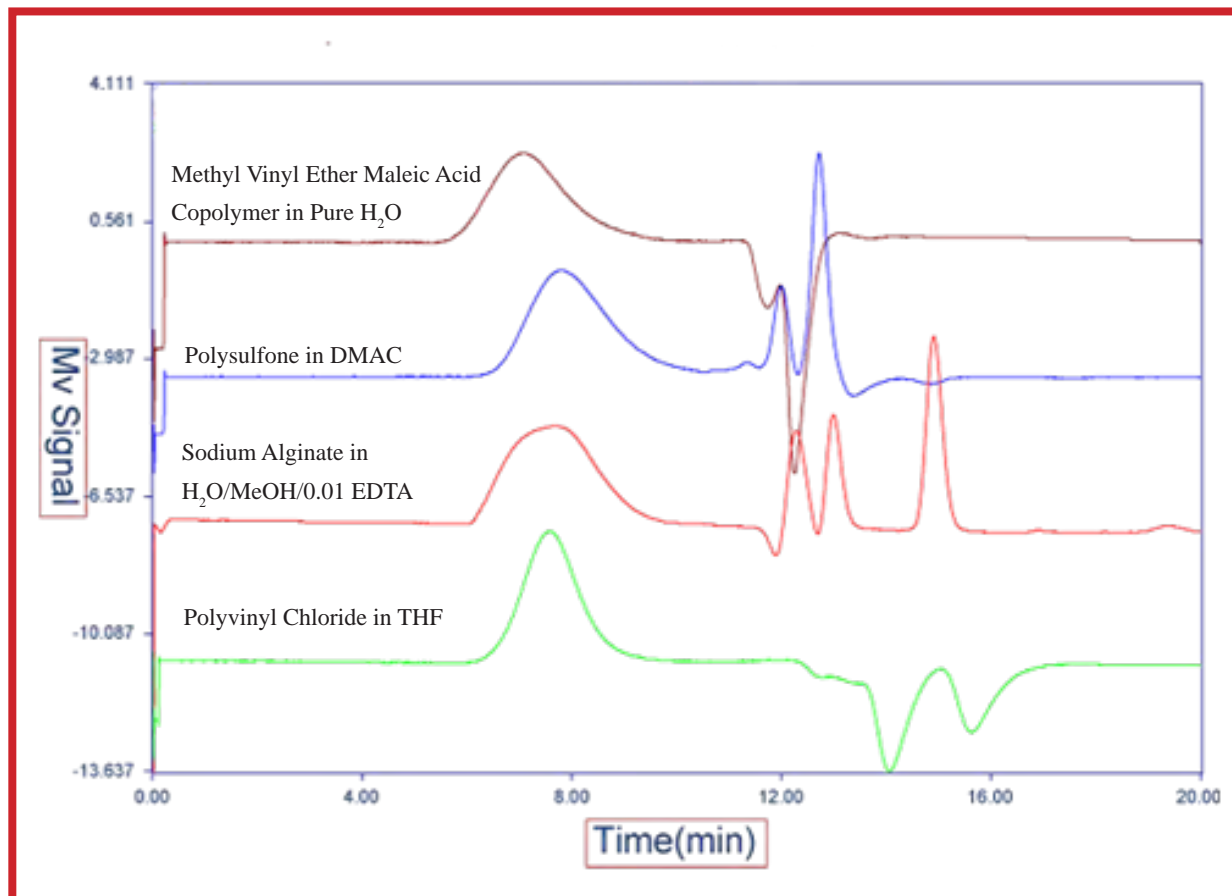
The Jordi xStream H₂O™ is an excellent choice for the separation of polysaccharides and dextrans in pure water*, as well as many common polymer systems, which dissolve in organic or mixed solvents.

*Separations in water require careful control of pH, metal ion content and other factors.



The Jordi xStream H₂O™ affords versatility and efficiency to any GPC lab. This polyamide-based technology allows for various separations on the same column set. Using a suitable solvent changeover procedure, one can easily switch solvents without damaging the stationary phase. The highly cross-linked nature of our novel, polyamide-based packing material reduces swelling and shrinking, which provides high resolution in nearly all solvents and promotes longer column lifetime.

The Jordi xStream H₂O™ is available for a variety of applications. This new stationary phase has the ability to separate a variety of cationic and polar polymers in H₂O. Dextrans, polysaccharides and vinyl ether/maleic acid copolymers are among the many applications in pure water on the Jordi xStream H₂O™. Separations in THF include, but are not limited to, phenoxy resins, poly(n-butyl methacrylate), polycaprolactone, several styrenic polymers, PMMA and other methacrylic polymers.



**Chromatogram above shows four analytes run on a single Jordi xStream H₂O™ Mixed Bed Column in an appropriate mobile phase.*

The Jordi xStream H₂O™ is also appropriate for analysis in HFIP, eliminating sample-column interactions and providing excellent resolution in the separation of nylons and PET. Other organic mobile phases applicable to separations on the Jordi xStream H₂O™ include chloroform, DMSO, DMAC and DMF. Experience the difference and improve your separations with Jordi xStream H₂O™.

Molecular Weight Range

Aqueous
Up to 700K

Organic
Up to 10 million

Available Porosities

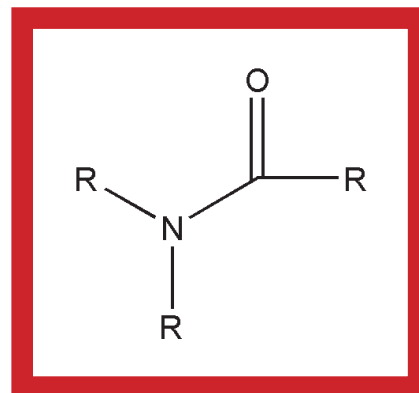
1000Å, 10,000Å, 100,000Å, Mixed Bed, Solid Bead

Column Dimensions

250 x 10 mm, 500 x 10 mm, 300 x 7.8 mm, 250 x 4.6 mm, 150 x 4.6 mm
Jordi is pleased to discuss the opportunity for custom column dimensions

Durability

0-14 pH stable
Stable up to 2,000 psi
Virtually unlimited solvent compatibility



Organic Mobile Phases

JORDI PORE SIZE SPECIFICATIONS	
<i>Description</i>	<i>MW Range</i>
GPC Solid Bead	2,000-400,000,000
GPC 10 ³ Å	<100-50,000
GPC 10 ⁴ Å	100-100,000
GPC 10 ⁵ Å	10,000-10,000,000
GPC Mixed Bed	100-10,000,000

Aqueous Mobile Phases

JORDI xSTREAM PORE SIZE SPECIFICATIONS	
<i>Description</i>	<i>MW Range</i>
xStream Solid Bead	<10,000,000
xStream 1000Å	<10,000-50,000
xStream 10000Å	<200,000
xStream 100000Å	<700,000
xStream Mixed Bed	<10,000-700,000

The patent pending Jordi xStream H₂O™ gel is currently Jordi's most inert stationary phase, which is a great choice for method development projects involving novel and more challenging polymer systems. For routine separations or for unique methods, the Jordi xStream H₂O™ may be the solution for you.

Please feel free to explore our extensive applications database online at www.jordilabs.com/applications.php. For help on finding the column best suited to your analysis requirements, please call the experts at Jordi Labs for a free consultation. Jordi constantly drives continuous research and development on new and existing chromatographic media to expand our applications database and to benefit all of our valued customers. We look forward to working with you to make your separation a success.