





YMC Glass Columns for Lab and Pilot Scale



Reliable glass columns for demanding chromatographic workflows

Whether in the lab, during scale-up, or in pilot production, YMC Glass Columns support reliable and efficient chromatographic processes. Designed for modern purification challenges, the portfolio covers a wide range of applications from BioLC separations to pressure-stable and temperature-assisted chromatography.

GLASS COLUMNS ^{YMC}	YMC ECO	YMC ECO ^{PLUS}	YMC HT	YMC Pilot ^{PLUS}
	Reliable Biocompatible Versatile	Pressure-stable High-Performance Flexible	Temperature-stable Efficient Advanced	Scalable User-Friendly Robust
				
	<p>Reliable routine BioLC</p> <p>Glass Columns optimised for biocompatible separations, providing robust performance for protein purification, antibody separations, ion exchange chromatography, and SEC.</p>	<p>Robust high-pressure applications</p> <p>Designed for applications with small particle sizes and elevated system pressures, enabling efficient RP and NP separations as well as method development and screening.</p>	<p>Temperature controlled separations</p> <p>Designed for chromatographic separations up to 70°C, enabling faster analyses, improved efficiency, and new flexibility in method development.</p>	<p>Process scale-up</p> <p>Designed for efficient process development and scale-up, featuring a metal-free flow path, fast bubble-free packing, and simplified cleaning and maintenance.</p>
	<ul style="list-style-type: none"> ✓ Biocompatible materials for BioLC ✓ Ideal for proteins, antibodies and SEC ✓ Robust performance for routine applications 	<ul style="list-style-type: none"> ✓ Designed for elevated system pressures ✓ Compatible with small particle sizes ✓ Ideal for RP/NP, screening and method development 	<ul style="list-style-type: none"> ✓ Enables elevated temperature separations ✓ Faster analyses and improved efficiency ✓ Expanded flexibility in method development 	<ul style="list-style-type: none"> ✓ Fast bubble-free column packing ✓ Unpacking and cleaning in one step ✓ Simple maintenance and robust construction

YMC Glass Columns: Reliable hardware for modern chromatographic applications 05/2026



Technical Overview



YMC Glass Columns - Key specifications and application compatibility

Support for Your Column Packing

- » Ready-to-use packed columns
- » Training for reliable self-packing

	YMC ECO Reliable Biocompatible Versatile	YMC ECO^{PLUS} Pressure-stable High-Performance Flexible	YMC HT Temperature-stable Efficient Advanced	YMC Pilot^{PLUS} Scalable User-Friendly Robust
Typical applications	Proteins, antibodies, ion exchange, SEC	RP/NP chromatography, small particle media	Method optimisation at elevated temperatures	Process development, scale up
Temperature stability	4-40 °C	4-40 °C	4-70 °C	4-40 °C
Pressure stability	30 - 10 bar *	80 - 30 bar *	30 - 10 bar *	16-5 bar *
Available inner diameters	10, 15, 26, 50 mm ID	5, 10, 15, 25, 35, 50 mm ID	10, 15, 26, 50 mm ID	70, 100, 140, 200 mm ID
Available lengths	200, 300, 500, 700 mm	125, 250, 500 mm	200, 300, 500, 700 mm	500, 850 mm
Frit material and porosities	PE, 10 µm	Glass, 4-5.5 µm or 10-16 µm	Glass, 10-16 µm or 40-100 µm	PE, 10 µm
Wetted parts flow path	Borosilicate glass 3.3, POM, EPDM, PE, FEP	Borosilicate glass 3.3, PEEK, FFKM, FEP	Borosilicate glass 3.3, PEEK, FFKM, FEP	Borosilicate glass 3.3, PEEK, PTFE, PE, FEP, 75 Fluoroprene XP 41

Compatibility by separation mode

IEX	+	+	+	+
SEC	+	o	+	o
HIC	+	+	+	+
Affinity	+	+	+	+
MMC	+	+	+	+
RP	-	+	+	-
NP	-	+	+	-

- * Depending on column diameter
- + Compatible
- o Depends on requirements
- Not compatible

