






# Glass Columns for Lab and Pilot Scale



Column Range	ECO <sup>PLUS</sup>	ECO	YMC HT	YMC Pilot <sup>PLUS</sup>	YMC Pilot
					
Main Features	<b>Medium and high pressure applications</b> <ul style="list-style-type: none"> <li>• Easy assembly with Quick-Lock system</li> <li>• Faster runs due to high pressure limits</li> </ul>	<b>Low and medium pressure applications</b> <ul style="list-style-type: none"> <li>• Easy piston adjustment</li> <li>• 1 m long glass bodies for SEC applications</li> </ul>	<b>Low and medium pressure applications</b> <ul style="list-style-type: none"> <li>• Up to 70 °C</li> <li>• Easy handling and long lasting design</li> </ul>	<b>Pilot scale BioLC applications</b> <ul style="list-style-type: none"> <li>• Bubble-free column packing due to drain function</li> <li>• 100% biocompatibility</li> </ul>	<b>Pilot scale applications</b> <ul style="list-style-type: none"> <li>• Solvent resistant version available</li> <li>• Longer bed length range for SEC applications</li> </ul>
Available ID's [mm]	5, 10, 15, 25, 35, 50	10, 15, 25, 50, 70, 80	10, 15, 25, 50	70, 100, 140, 200	100, 140, 200, 300 <sup>1</sup>
Available Lengths [mm]	125, 250, 500	120, 200, 450, 750, 1000	120, 200, 300, 450, 750, 1000	500, 850	500, 850 <sup>1</sup>
Column Volume range [L]	0–1	0–5	0–2	0–25	0–50 <sup>1</sup>
Connections	¼"-28G (incl. in accessory bag)	¼"-28G (incl. in accessory bag)	¼"-28G (incl. in accessory bag)	TriClamp or valves	TriClamp or valves
Tubing	5–15 mm ID: 1/16" OD (0.8x1.6 mm) 25–50 mm ID: 1/8" OD (1.6x3.2 mm)	10–15 mm ID: 1/16" OD (0.8x1.6 mm) 25–80 mm ID: 1/8" OD (1.6x3.2 mm)	10–15 mm ID: 1/16" OD (0.8x1.6 mm) 25–50 mm ID: 1/8" OD (1.6x3.2 mm)	70–100 mm ID: ¼" OD (4.35x6.35 mm) 140–200 mm ID: ¼" ID (6x8 mm)	¼" OD (4.35x6.35 mm)
Column stand		✓	✓	✓	✓
Packing adapter	✓	✓	✓		✓
Certification	FDA, BSE/TSE <sup>2</sup>	FDA, BSE/TSE <sup>2</sup>	FDA, BSE/TSE <sup>2</sup>	FDA, BSE/TSE, USP Class VI	FDA, BSE/TSE <sup>2</sup>
How to connect to ÄKTA systems	Adapter 10/32 or M6	Adapter 10/32 or M6	Adapter 10/32 or M6	TC25	TC25

<sup>1</sup> Customisation possible · <sup>2</sup> Available upon request

# Mode and YMC Resin Compatibility



Mode	ECO <sup>PLUS</sup>	ECO	YMC HT	YMC Pilot <sup>PLUS</sup>	YMC Pilot
IEX	+	+	+	+	+
SEC	○	+	+	○	+
HIC	+	+	+	+	+
Affinity	+	+	+	+	+
MMC	+	+	+	+	+
RP	+	○	+	-	○
NP	+	○	+	-	○

Mode	Base Material	YMC Resin	ECO <sup>PLUS</sup>	ECO	YMC HT	YMC Pilot <sup>PLUS</sup>	YMC Pilot
IEX	Polymer-based	BioPro IEX Q75	+	+	+	+	+
		BioPro IEX S75	+	+	+	+	+
		BioPro IEX SmartSep Q10/20/30	+	+	+	+	+
		BioPro IEX SmartSep S10/20/30	+	+	+	+	+
SEC	Silica-based	YMC*Gel Diol-HG-120	○	+	+	○	+
		YMC*Gel Diol-HG-200	○	+	+	○	+
		YMC*Gel Diol-HG-300	○	+	+	○	+
RP	Hybrid-Silica and Silica-based	YMC-Triart Prep C18-S	+	○	+	-	○
		YMC*Gel ODS-A-HG	+	○	+	-	○
		YMC*Gel ODS-AQ-HG	+	○	+	-	○
		YMC-Triart Prep C8-S	+	○	+	-	○
		YMC*Gel C8-HG	+	○	+	-	○
		YMC*Gel C4-HG	+	○	+	-	○

Further YMC Resins available.

Are you looking for pre-packed glass columns? Our **packing service** includes packing of new ECO, YMC HT and ECO<sup>PLUS</sup> glass columns and refilling for your used column. Stationary phases from YMC as well as from other suppliers can be packed.

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- Compatible  
Depends on requirements  
Not compatible