





Glass Columns for Lab and Pilot Scale



Column Line	ECO ^{PLUS}	ECO	YMC Pilot ^{PLUS}	YMC Pilot
				
Main Features	Glass columns for medium and high pressure applications <ul style="list-style-type: none"> • Easy assembly with Quick-Lock system • Faster runs due to high pressure limits • Highest reproducibility by calibrated glass body 	Glass columns for low and medium pressure applications <ul style="list-style-type: none"> • Easy piston adjustment • Heating/cooling jacket for temperature sensitive applications • 1 m long glass bodies for SEC applications 	Glass columns for pilot scale BioLC applications <ul style="list-style-type: none"> • Bubble-free column packing due to drain function • Easy unpacking with removable column body • 100% biocompatibility 	Glass columns for pilot scale applications <ul style="list-style-type: none"> • For temperature sensitive applications • Solvent resistant version available • Longer bed length range for SEC applications
Available ID's [mm]	5, 10, 15, 25, 35, 50 ¹	10, 15, 25, 50, 70, 80 ¹	70, 100, 140, 200	100, 140, 200, 300 ¹
Available Length [mm]	125, 250, 500 ¹	120, 200, 450, 750, 1000 ¹	500, 850	500, 850 ¹
Column Volume range [L]	0–1 ¹	0–5 ¹	0–25	0–50 ¹
Connections	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 (0.8 x 1.6 mm) 25 – 50 mm ID: 1/8" OD (1.6 x 3.2 mm)	10 – 15 mm ID: 1/16" OD (0.8 x 1.6 mm) 25 – 80 mm ID: 1/8" OD (1.6 x 3.2 mm)	70 – 100 mm ID: ¼" OD (4.35 x 6.35 mm) 140 – 200 mm ID: ¼" ID (6 x 8 mm)	¼" OD (4.35 x 6.35 mm)
Column stand available/required	No/No	Yes/No	Yes/Yes	Yes (included)
Packing adapter available	Yes	Yes	No	Yes
Certification	FDA, BSE/TSE ²	FDA, BSE/TSE ²	FDA, BSE/TSE, USP Class VI	FDA, BSE/TSE ²
How to connect to ÄKTA systems	Adapter 10/32 or M6	Adapter 10/32 or M6	TC25	TC25

¹ Customisation possible · ² Available upon request

Mode and YMC Resin Compatibility



Mode	ECO ^{PLUS}	ECO	YMC Pilot ^{PLUS}	YMC Pilot
IEX	+	+	+	+
SEC	○	+	○	+
HIC	+	+	+	+
Affinity	+	+	+	+
MMC	+	+	+	+
RP	+	○	-	○
NP	+	○	-	○

Mode	Base Material	YMC Resin	ECO ^{PLUS}	ECO	YMC Pilot ^{PLUS}	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.

You are looking for pre-packed glass columns? Our **packing service** includes packing of new ECO and ECO^{PLUS} glass columns and refill for your used column. Stationary phases from YMC as well as from other suppliers can be packed.

+	Compatible
○	Depends on requirements
-	Not compatible