











Glass Columns for Lab and Pilot Scale



	ECO ^{PLUS}	ECO	YMC HT	YMC Pilot ^{PLUS}	YMC Pilot
¹ Customization possible ² Available upon request					
Main Features	Medium and high pressure applications <ul style="list-style-type: none"> • Easy assembly with Quick-Lock system • Faster runs due to high pressure limits 	Low and medium pressure applications <ul style="list-style-type: none"> • Easy piston adjustment • 1 m long glass bodies for SEC applications 	Low and medium pressure applications <ul style="list-style-type: none"> • Up to 70 °C • Easy handling and long-lasting design 	Pilot scale BioLC applications <ul style="list-style-type: none"> • Bubble-free column packing due to drain function • 100% biocompatibility 	Pilot scale applications <ul style="list-style-type: none"> • Solvent resistant version available • Longer bed length range for SEC applications
Available IDs (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
Available Lengths (mm)	125, 250, 500	120, 200, 450, 750, 1000	120, 200, 300, 450, 750, 1000	500, 850	500, 850
Pressure Limits (bar)	AB: 80 - 30, SR: 80 - 15	30 - 5	30 - 10	16 - 5	10 - 3
Column Volume (L)	0 - 1	0 - 5	0 - 2	0 - 25	0 - 50
Connections	1/4"-28G (incl. in accessory bag)	1/4"-28G (incl. in accessory bag)	1/4"-28G (incl. in accessory bag)	TriClamp or valves	TriClamp or valves
Tubing	<ul style="list-style-type: none"> • 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) 	<ul style="list-style-type: none"> • 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) 	<ul style="list-style-type: none"> • 10 - 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) 	<ul style="list-style-type: none"> • 70 - 100 mm ID: 1/4" OD (4.35 x 6.35 mm) • 140 - 200 mm ID: 1/4" ID (6 x 8 mm) 	<ul style="list-style-type: none"> • 1/4" OD (4.35 x 6.35 mm)
Column stand		✓	✓	✓	✓
Packing adaptor available	✓	✓	✓		✓
Certification	FDA, BSE/TSE ²	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	Adapter 10/32 or M6	TC25	TC25
Scan QR code to view full brochure with more information					

Mode and YMC Resin Compatibility



Mode	ECO ^{PLUS}	ECO	YMC HT	YMC Pilot ^{PLUS}	YMC Pilot
IEX	+	+	+	+	+
SEC	O	+	+	O	+
HIC	+	+	+	+	+
Affinity	+	+	+	+	+
MMC	+	+	+	+	+
RP	+	O	+	—	O
NP	+	O	+	—	O

Mode	Base Material	YMC Resin	ECO ^{PLUS}	ECO	YMC HT	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	O	+	+	O	+
		YMC*Gel Diol-HG-200	O	+	+	O	+
		YMC*Gel Diol-HG-300	O	+	+	O	+
RP	Hybrid Silica and Silica-based	YMC-Triart Prep C18-S	+	O	+	—	O
		YMC*Gel ODS-A-HG	+	O	+	—	O
		YMC*Gel ODS-AQ-HG	+	O	+	—	O
		YMC-Triart Prep C8-S	+	O	+	—	O
		YMC*Gel C8-HG	+	O	+	—	O
		YMC*Gel C4-HG	+	O	+	—	O

+ Compatible

O Depends on requirements

— Not Compatible