

YMC Pilot^{PLUS} Glass Columns - Overview



YMC Pilot^{PLUS} columns are the new standard for pilot scale applications. They are completely biocompatible and characterized by safe and easy handling.

Advantages:

- Fully biocompatible
- Easy unpacking and cleaning
- Excellent column performance

Specifications

Area of application	Pilot scale BioLC
Inner diameters	70, 100, 140, 200mm
Bed lengths	500, 850mm
Version	AB (Aqueous buffer)
Temperature range	4-40° C
Column stand	W: Wheeled version L: Leveled version
Infilling assistance tool	Included

Pressure Resistance

ID (mm)	70	100	140	200
Pressure limit (bar)	16	10	7	5



Unique drain function

- ⇒ Bubble-free piston insertion
- ⇒ Excellent packing results
- ⇒ No delays during packing process



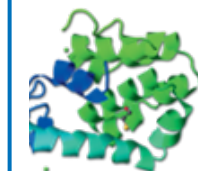
Innovative sealing principle: permanent sealing

- ⇒ Extremely small dead areas
- ⇒ Tool-free maintenance
- ⇒ Easy piston adjustment



Removable column body

- ⇒ Clean and fast unpacking
- ⇒ Easy cleaning
- ⇒ Tool-free fixation in the column stand



Regulatory support

- ⇒ Bioinert separation environment for BioLC applications
- ⇒ Material certificates for all wetted parts available: FDA, BSE/TSE, USP Class VI
- ⇒ Spare parts readily available

YMC Pilot^{PLUS} Glass Columns - Specifications



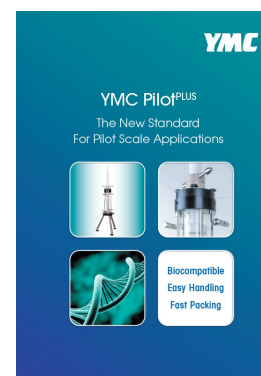
Inner diameter	70		100	
	500 mm	850 mm	500 mm	850 mm
Glass body length	500 mm	850 mm	500 mm	850 mm
Bed Length [mm]	100–450 ¹	250–800 ¹	100–450 ¹	250–800 ¹
Column Volume [L]	0.4–1.7	1.0–3.0	0.8–3.5	2.0–6.2
Pressure Limit [bar]	16	16	10	10
Temperature Range [°C]	4–40	4–40	4–40	4–40
Total Weight [kg]	19	23	20	24
Weight Adjustable End Piece [kg]	3.2	3.7	3.5	4.0
Footprint [mm]	620	620	620	620
Maximum Column Height [mm]	1,700	2,250	1,700	2,250

Inner diameter	140		200	
	500 mm	850 mm	500 mm	850 mm
Glass body length	500 mm	850 mm	500 mm	850 mm
Bed Length [mm]	100–450 ¹	250–800 ¹	100–450 ¹	250–800 ¹
Column Volume [L]	1.5–6.9	3.8–12.3	3.1–14.1	7.8–25.1
Pressure Limit [bar]	7	7	5	5
Temperature Range [°C]	4–40	4–40	4–40	4–40
Total Weight [kg]	37	45	38	47
Weight Adjustable End Piece [kg]	7.3	7.8	8.0	8.6
Footprint [mm]	750	750	750	750
Maximum Column Height [mm]	1,750	2,300	1,750	2,300

¹depending on packing material and packing method

Solvent	Wetted Parts: Borosilicate glass 3.3, FEP, PE, PTFE, PEEK, 75 Fluoroprene XP41
Acetone	Not resistant
Acetonitrile	Limited resistant
Ammonium dihydrogen phosphate	Resistant
Cyclohexane	Limited resistant
Dichloromethane	Not resistant
0.1 M EDTA (3%)	Resistant
1 M Acetic acid (6%)	Resistant
Ethanol	Resistant
Ethyl acetate	Not resistant
n-Hexane	Limited resistant
Isopropanol	Resistant
Methanol	Resistant
2 M NaOH (8%)	Resistant
1 M HCl (4%)	Resistant
8 M Urea (36%)	Resistant
1 M NaCl	Resistant
0.5 M Na ₂ SO ₄	Resistant

Not resistant
Limited resistant
Resistant



View the complete YMC Pilot^{PLUS} brochure for more detailed information.



Scan the QR code above or go to www.ymc-america.com/resource/ymc-pilotplus/