

ECO Glass Columns | Overview



ECO columns are glass columns suitable for all types of soft gel and medium pressure LC applications.

Your advantages are:

- Easy handling and self-packing
- Compatible with any LC system
- For use with all types of soft gels

| Specifications | |
|---------------------------------|---|
| Area of application | Low to medium pressure LC |
| Inner diameters | 10, 15, 25, 50, 70, 80 mm |
| Bed lengths | 120; 200; 450; 750; 1,000 mm |
| Versions | AB (Aqueous Buffer) SR (Solvent Resistant) |
| Temperature range | 4–40°C |
| Packing adapter | available |
| Optional heating/cooling jacket | available |
| Column stand | available for 25, 50, 70, 80 mm ID |

| Pressure resistance | | | | | | |
|----------------------|----|----|----|----|----|----|
| ID [mm] | 10 | 15 | 25 | 50 | 70 | 80 |
| Pressure limit [bar] | 30 | 25 | 15 | 10 | 5 | 5 |

External tubing connection

- ✓ Quick and easy tubing replacement
- ✓ No tube twisting during piston adjustment
- ✓ Tubing replacement possible with a packed column

Linear Piston movement

- ✓ Homogenously packed column beds
- ✓ Excellent column performance
- ✓ Increased resin lifetime

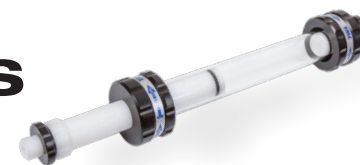
Sealing principle: squeezed O-ring

- ✓ Reliable sealing in a temperature range from 4 to 40°C
- ✓ Easy replacement and simple maintenance
- ✓ High quality materials for a long lifetime

Fully porous frits

- ✓ Optimum flow distribution
- ✓ Securely fixed in the piston
- ✓ Different materials and porosities available

ECO Glass Columns | Specifications

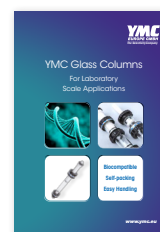


| Inner diameter column (mm) | Pressure limit (bar) | One adjustable piston (Vario) | | Two adjustable pistons (Multivario) | |
|----------------------------|----------------------|-------------------------------|--------------------------|-------------------------------------|--------------------------|
| | | Bed length range (mm) | Column volume range (mL) | Bed length range (mm) | Column volume range (mL) |
| 10 | 30 | 0-120 | 0-9 | 0-120 | 0-9 |
| | | 80-200 | 7-15 | 0-200 | 0-15 |
| | | 330-450 | 28-35 | 220-450 | 19-35 |
| | | 630-750 | 54-58 | 520-750 | 44-58 |
| | | 880-1,000 | 75-78 | 780-1,000 | 66-78 |
| 15 | 25 | 0-120 | 0-19 | 0-120 | 0-19 |
| | | 80-200 | 16-32 | 0-200 | 0-32 |
| | | 330-450 | 63-73 | 210-450 | 40-73 |
| | | 630-750 | 120-122 | 510-750 | 97-122 |
| | | 880-1,000 | 163-163 | 760-1,000 | 145-163 |
| 25 | 15 | 0-120 | 0-60 | 0-120 | 0-60 |
| | | 80-200 | 50-100 | 0-200 | 0-100 |
| | | 330-450 | 190-230 | 220-450 | 130-230 |
| | | 630-750 | 365-390 | 520-750 | 300-390 |
| | | 880-1,000 | 510-520 | 770-1,000 | 445-520 |
| 50 | 10 | 0-120 | 0-235 | 0-120 | 0-235 |
| | | 80-200 | 180-390 | 0-200 | 0-390 |
| | | 330-450 | 730-885 | 230-450 | 510-885 |
| | | 630-750 | 1,390-1,480 | 530-750 | 1,170-1,480 |
| | | 880-1,000 | 1,945-1,970 | 780-1,000 | 1,725-1,970 |
| 70 | 5 | | | 0-120 | 0-425 |
| | | | | 0-200 | 0-710 |
| | | | | 70-450 | 290-1,610 |
| | | | | 370-750 | 1,530-2,680 |
| | | | | 620-1,000 | 2,560-3,570 |
| 80 | 5 | | | 0-120 | 0-560 |
| | | | | 0-200 | 0-940 |
| | | | | 70-450 | 380-2,120 |
| | | | | 370-750 | 1,980-3,530 |
| | | | | 620-1,000 | 3,320-4,710 |

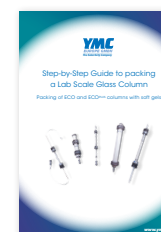
| Solvent | AB-Version | | SR-Version | |
|--|-------------------|-------------------|-------------------|-------------------|
| | 10-50 mm ID | 70-80 mm ID | 10-50 mm ID | 70-80 mm ID |
| Acetone | Not resistant | Resistant | Not resistant | Not resistant |
| Acetonitrile | Limited resistant | Limited resistant | Limited resistant | Limited resistant |
| Ammonium dihydrogen phosphate | Limited resistant | Resistant | Resistant | Limited resistant |
| Cyclohexane | Resistant | Not resistant | Resistant | Resistant |
| Dichloromethane | Limited resistant | Not resistant | Limited resistant | Limited resistant |
| EDTA (3%) | Resistant | Resistant | Resistant | Resistant |
| Acetic acid (6%) | Resistant | Resistant | Resistant | Limited resistant |
| Ethanol | Resistant | Resistant | Resistant | Resistant |
| Ethyl acetate | Not resistant | Limited resistant | Limited resistant | Limited resistant |
| n-Hexane | Resistant | Not resistant | Resistant | Resistant |
| Isopropanol | Resistant | Resistant | Resistant | Resistant |
| Methanol | Limited resistant | Resistant | Resistant | Resistant |
| NaOH (2M) | Limited resistant | Resistant | Resistant | Limited resistant |
| HCl (1M) | Not resistant | Not resistant | Resistant | Not resistant |
| Urea (8M) | Resistant | Resistant | Resistant | Resistant |
| NaCl (1M) | Resistant | Resistant | Resistant | Limited resistant |
| Na ₂ SO ₄ (0.5M) | Resistant | Resistant | Resistant | Limited resistant |

Not resistant
 Limited resistant
 Resistant

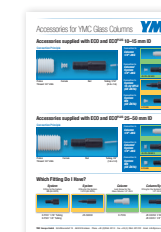
Contact us for more detailed information regarding:



Brochures



Column packing



Connection to your system