

Econoline[®] Columns

*The Economical
Lab Column Solution*



HIGHLIGHTS:

- Biocompatible
- Universal Application
- Solvent Resistant
- Height Adjustable Plunger at Both Ends
- Ease of Use
- Low Temperature Version Available in Polyethylene

Advantages of Econoline® Columns

1 HIGHER PRESSURE RATINGS INCORPORATING GLASS CONSTRUCTION

Pressures to 80 Bars (1,160 psig)
Full view of bed unlike stainless steel
Rugged construction for hard lab use

2 LINEAR MOTION OF PISTON

Due to true linear motion of piston there is no torsional load imposed on the packed bed assuring true linear compression.

3 TRUE FRITS

True frit without the use of sock design employed in less expensive columns assure even flow distribution across the bed.

4 ROBUST INLET AND OUTLET CONNECTIONS

Inlet and outlet connections are made at the exterior of the column, which provide a more reliable and visible connection.

5 FINE THREAD ADJUSTMENT

Columns are provided with fine thread adjustment of piston to allow for precise control of piston placement.

6 DOUBLE PISTON ADJUSTMENT

Standard double ended adjustable piston provides flexibility of bed settings and adjustment for settling and packing flexibility.

7 QUICK RELEASE ENDS

Design features our unique quick-disconnect end fittings making column disassembly effortless.

Pressure Limits:
30 - 80 Bars

Connections:
Two 1/4" - 28 Fittings (one for 1/16" and one for 1/8" capillaries). The column is supplied with an M6 adapter to allow direct connection to any LC system.

Height Adjustment:
Multi-variable plunger at each end, 70 mm adjustment each.

Accessories:
User-friendly packing adapters

ECONOLINE® COLUMN MATERIALS OF CONSTRUCTION

SR (solvent resistant)

- Tube: Borosilicate Glass
- Temperature Range: 18° - 60° C
- Plunger: PTFE
- Seal: PTFE triple chevron
- Frit: ID 5 mm - 15 mm: sinter glass frit
ID 25 mm - 50 mm: stainless steel

AB (aqueous buffer)

- Tube: Borosilicate Glass
- Temperature Range: 4° - 40° C
- Plunger: Polyethylene
- Seal: EPDM O-ring
- Frit: ID 5 mm - 50 mm: polyethylene

Please visit our web site at:
www.essential-life.net

To Order Call: 1-617-326-0444

Helping you succeed. . .

ID (mm)	Bed Length min-max (mm)	Volume min-max (ml)	Pressure Limit (bar)	Frit Porosity (um)	Frit Type	Column Type (application)	ELS Part No
5	0 - 125	0.00 - 2.45	80	10	Glass	Solvent Resistant (SR)	TAC05/125GO-SR
5	110 - 250	2.16 - 4.91	80	10	Glass	Solvent Resistant (SR)	TAC05/250GO-SR
5	360 - 500	7.07 - 9.82	80	10	Glass	Solvent Resistant (SR)	TAC05/500GO-SR
5	0 - 125	0.00 - 2.45	80	2	Glass	Solvent Resistant (SR)	TAC05/125G2-SR
5	110 - 250	2.16 - 4.91	80	2	Glass	Solvent Resistant (SR)	TAC05/250G2-SR
5	360 - 500	7.07 - 9.82	80	2	Glass	Solvent Resistant (SR)	TAC05/500G2-SR
10	0 - 125	0.00 - 9.82	80	10	Glass	Solvent Resistant (SR)	TAC10/125GO-SR-1
10	110 - 250	8.64 - 19.63	80	10	Glass	Solvent Resistant (SR)	TAC10/250GO-SR-1
10	360 - 500	28.27 - 39.27	80	10	Glass	Solvent Resistant (SR)	TAC10/500GO-SR-1
10	0 - 125	0.00 - 9.82	80	2	Glass	Solvent Resistant (SR)	TAC10/125G2-SR-1
10	110 - 250	8.64 - 19.63	80	2	Glass	Solvent Resistant (SR)	TAC10/250G2-SR-1
10	360 - 500	28.27 - 39.27	80	2	Glass	Solvent Resistant (SR)	TAC10/500G2-SR-1
15	0 - 125	0.00 - 22.09	70	10	Glass	Solvent Resistant (SR)	TAC15/125GO-SR-1
15	110 - 250	19.44 - 44.18	70	10	Glass	Solvent Resistant (SR)	TAC15/250GO-SR-1
15	360 - 500	63.62 - 88.36	70	10	Glass	Solvent Resistant (SR)	TAC15/500GO-SR-1
15	0 - 125	0.00 - 22.09	70	2	Glass	Solvent Resistant (SR)	TAC15/125G2-SR-1
15	110 - 250	19.44 - 44.18	70	2	Glass	Solvent Resistant (SR)	TAC15/250G2-SR-1
15	360 - 500	63.62 - 88.36	70	2	Glass	Solvent Resistant (SR)	TAC15/500G2-SR-1
25	0 - 125	0.00 - 61.36	50	10	Stainless Steel	Solvent Resistant (SR)	TAC25/125SO-SR-1
25	110 - 250	54.00 - 122.72	50	10	Stainless Steel	Solvent Resistant (SR)	TAC25/250SO-SR-1
25	360 - 500	176.71 - 245.44	50	10	Stainless Steel	Solvent Resistant (SR)	TAC25/500SO-SR-1
25	0 - 125	0.00 - 61.36	50	2	Stainless Steel	Solvent Resistant (SR)	TAC25/125S2-SR-1
25	110 - 250	54.00 - 122.72	50	2	Stainless Steel	Solvent Resistant (SR)	TAC25/250S2-SR-1
25	360 - 500	176.71 - 245.44	50	2	Stainless Steel	Solvent Resistant (SR)	TAC25/500S2-SR-1
35	0 - 125	0.00 - 120.26	40	10	Stainless Steel	Solvent Resistant (SR)	TAC35/125SO-SR-1
35	110 - 250	105.83 - 240.53	40	10	Stainless Steel	Solvent Resistant (SR)	TAC35/250SO-SR-1
35	360 - 500	346.36 - 481.06	40	10	Stainless Steel	Solvent Resistant (SR)	TAC35/500SO-SR-1
35	0 - 125	0.00 - 120.26	40	2	Stainless Steel	Solvent Resistant (SR)	TAC35/125S2-SR-1
35	110 - 250	105.83 - 240.53	40	2	Stainless Steel	Solvent Resistant (SR)	TAC35/250S2-SR-1
35	360 - 500	346.36 - 481.06	40	2	Stainless Steel	Solvent Resistant (SR)	TAC35/500S2-SR-1
50	0 - 125	0.00 - 245.44	30	10	Stainless Steel	Solvent Resistant (SR)	TAC50/125-SO-SR-1
50	110 - 250	215.98 - 490.87	30	10	Stainless Steel	Solvent Resistant (SR)	TAC50/250SO-SR-1
50	360 - 500	706.86 - 981.75	30	10	Stainless Steel	Solvent Resistant (SR)	TAC50/500SO-SR-1
50	0 - 125	0.00 - 245.44	30	2	Stainless Steel	Solvent Resistant (SR)	TAC50/125S2-SR-1
50	110 - 250	215.98 - 490.87	30	2	Stainless Steel	Solvent Resistant (SR)	TAC50/250S2-SR-1
50	360 - 500	706.86 - 981.75	30	2	Stainless Steel	Solvent Resistant (SR)	TAC50/500S2-SR-1

We now accept Major Credit Cards.



Econoline Lab[®] Columns

ID (mm)	Bed Length min-max (mm)	Volume min-max (ml)	Pressure Limit (bar)	Frit Porosity (μ m)	Frit Type	Column Type (application)	ELS Part No
5	0 - 125	0.00 - 2.45	80	10	Polyethylene	Aqueous Buffer (AB)	TAC05/125PE0-AB
5	110 - 250	2.16 - 4.91	80	10	Polyethylene	Aqueous Buffer (AB)	TAC05/250PE0-AB
5	360 - 500	7.07 - 9.82	80	10	Polyethylene	Aqueous Buffer (AB)	TAC05/500PE0-AB
5	0 - 125	0.00 - 2.45	80	5	Polyethylene	Aqueous Buffer (AB)	TAC05/125PE5-AB
5	110 - 250	2.16 - 4.91	80	5	Polyethylene	Aqueous Buffer (AB)	TAC05/250PE5-AB
5	360 - 500	7.07 - 9.82	80	5	Polyethylene	Aqueous Buffer (AB)	TAC05/500PE5-AB
10	0 - 125	0.00 - 9.82	80	10	Polyethylene	Aqueous Buffer (AB)	TAC10/125PE0-AB-1
10	110 - 250	8.64 - 19.63	80	10	Polyethylene	Aqueous Buffer (AB)	TAC10/250PE0-AB-1
10	360 - 500	28.27 - 39.27	80	10	Polyethylene	Aqueous Buffer (AB)	TAC10/500PE0-AB-1
10	0 - 125	0.00 - 9.82	80	5	Polyethylene	Aqueous Buffer (AB)	TAC10/125PE5-AB-1
10	110 - 250	8.64 - 19.63	80	5	Polyethylene	Aqueous Buffer (AB)	TAC10/250PE5-AB-1
10	360 - 500	28.27 - 39.27	80	5	Polyethylene	Aqueous Buffer (AB)	TAC10/500PE5-AB-1
15	0 - 125	0.00 - 22.09	70	10	Polyethylene	Aqueous Buffer (AB)	TAC15/125PE0-AB-1
15	110 - 250	19.44 - 44.18	70	10	Polyethylene	Aqueous Buffer (AB)	TAC15/250PE0-AB-1
15	360 - 500	63.62 - 88.36	70	10	Polyethylene	Aqueous Buffer (AB)	TAC15/500PE0-AB-1
15	0 - 125	0.00 - 22.09	70	5	Polyethylene	Aqueous Buffer (AB)	TAC15/125PE5-AB-1
15	110 - 250	19.44 - 44.18	70	5	Polyethylene	Aqueous Buffer (AB)	TAC15/250PE5-AB-1
15	360 - 500	63.62 - 88.36	70	5	Polyethylene	Aqueous Buffer (AB)	TAC15/500PE5-AB-1
25	0 - 125	0.00 - 61.36	50	10	Polyethylene	Aqueous Buffer (AB)	TAC25/125PE0-AB-1
25	110 - 250	54.00 - 122.72	50	10	Polyethylene	Aqueous Buffer (AB)	TAC25/250PE0-AB-1
25	360 - 500	176.71 - 245.44	50	10	Polyethylene	Aqueous Buffer (AB)	TAC25/500PE0-AB-1
25	0 - 125	0.00 - 61.36	50	5	Polyethylene	Aqueous Buffer (AB)	TAC25/125PE5-AB-1
25	110 - 250	54.00 - 122.72	50	5	Polyethylene	Aqueous Buffer (AB)	TAC25/250PE5-AB-1
25	360 - 500	176.71 - 245.44	50	5	Polyethylene	Aqueous Buffer (AB)	TAC25/500PE5-AB-1
35	0 - 125	0.00 - 120.26	40	10	Polyethylene	Aqueous Buffer (AB)	TAC35/125PE0-AB-1
35	110 - 250	105.83 - 240.53	40	10	Polyethylene	Aqueous Buffer (AB)	TAC35/250PE0-AB-1
35	360 - 500	346.36 - 481.06	40	10	Polyethylene	Aqueous Buffer (AB)	TAC35/500PE0-AB-1
35	0 - 125	0.00 - 120.26	40	5	Polyethylene	Aqueous Buffer (AB)	TAC35/125PE5-AB-1
35	110 - 250	105.83 - 240.53	40	5	Polyethylene	Aqueous Buffer (AB)	TAC35/250PE5-AB-1
35	360 - 500	346.36 - 481.06	40	5	Polyethylene	Aqueous Buffer (AB)	TAC35/500PE5-AB-1
50	0 - 125	0.00 - 245.44	30	10	Polyethylene	Aqueous Buffer (AB)	TAC50/125PE0-AB-1
50	110 - 250	215.98 - 490.87	30	10	Polyethylene	Aqueous Buffer (AB)	TAC50/250PE0-AB-1
50	360 - 500	706.86 - 981.75	30	10	Polyethylene	Aqueous Buffer (AB)	TAC50/500PE0-AB-1
50	0 - 125	0.00 - 245.44	30	5	Polyethylene	Aqueous Buffer (AB)	TAC50/125PE5-AB-1
50	110 - 250	215.98 - 490.87	30	5	Polyethylene	Aqueous Buffer (AB)	TAC50/250PE5-AB-1
50	360 - 500	706.86 - 981.75	30	5	Polyethylene	Aqueous Buffer (AB)	TAC50/500PE5-AB-1