

Media-Flex® Columns

"Quick Change"
Cartridge Lab Columns



HIGHLIGHTS:

- Pressure to 86 bar
- Low Dead Volume Design
- Fully Visible Bed
- Autoclavable
- Reusable Glass Cartridge
- EPDM Seal for Cold Room Applications

Advantages of Media-Flex® Columns

1 HIGHER PRESSURE RATINGS INCORPORATING GLASS CONSTRUCTION

Pressures to 86 Bars (1,247 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 QUICK RELEASE ENDS

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

7 UNIQUE CARTRIDGE DESIGN

Media-flex® offers the benefit in that the cartridge unit quickly releases from the housing without disturbing the bed or packing allowing for rapid, inexpensive change-out of the column.

Pressure Limits:
28 - 86 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,
6 cm/12 cm adjustment.

Accessories:
Packing adapters
Spare cartridges

MEDIA-FLEX® 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

Media-Flex 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 - 120	0.00 - 2.36	86.67	10	Porous Glass	Solvent Resistant (SR)	MF-5-120-L-10-SR
5	60 - 120	1.18 - 2.36	86.67	10	Porous Glass	Solvent Resistant (SR)	MF-5-120-S-10-SR
5	140 - 260	2.75 - 5.11	86.67	10	Porous Glass	Solvent Resistant (SR)	MF-5-260-L-10-SR
5	200 - 260	3.93 - 5.11	86.67	10	Porous Glass	Solvent Resistant (SR)	MF-5-260-S-10-SR
5	380 - 500	7.46 - 9.82	86.67	10	Porous Glass	Solvent Resistant (SR)	MF-5-500-L-10-SR
5	440 - 500	8.64 - 9.82	86.67	10	Porous Glass	Solvent Resistant (SR)	MF-5-500-S-10-SR
5	0 - 120	0.00 - 2.36	86.67	2	Porous Glass	Solvent Resistant (SR)	MF-5-120-L-2-SR
5	60 - 120	1.18 - 2.36	86.67	2	Porous Glass	Solvent Resistant (SR)	MF-5-120-S-2-SR
5	140 - 260	2.75 - 5.11	86.67	2	Porous Glass	Solvent Resistant (SR)	MF-5-260-L-2-SR
5	200 - 260	3.93 - 5.11	86.67	2	Porous Glass	Solvent Resistant (SR)	MF-5-260-S-2-SR
5	380 - 500	7.46 - 9.82	86.67	2	Porous Glass	Solvent Resistant (SR)	MF-5-500-L-2-SR
5	440 - 500	8.64 - 9.82	86.67	2	Porous Glass	Solvent Resistant (SR)	MF-5-500-S-2-SR
10	0 - 120	0.00 - 9.42	80	10	Porous Glass	Solvent Resistant (SR)	MF-10-120-L-10-SR
10	60 - 120	4.71 - 9.42	80	10	Porous Glass	Solvent Resistant (SR)	MF-10-120-S-10-SR
10	140 - 260	11.00 - 20.42	80	10	Porous Glass	Solvent Resistant (SR)	MF-10-260-L-10-SR
10	200 - 260	15.71 - 20.42	80	10	Porous Glass	Solvent Resistant (SR)	MF-10-260-S-10-SR
10	380 - 500	29.85 - 39.27	80	10	Porous Glass	Solvent Resistant (SR)	MF-10-500-L-10-SR
10	440 - 500	34.56 - 39.27	80	10	Porous Glass	Solvent Resistant (SR)	MF-10-500-S-10-SR
10	0 - 120	0.00 - 9.42	80	2	Porous Glass	Solvent Resistant (SR)	MF-10-120-L-2-SR
10	60 - 120	4.71 - 9.42	80	2	Porous Glass	Solvent Resistant (SR)	MF-10-120-S-2-SR
10	140 - 260	11.00 - 20.42	80	2	Porous Glass	Solvent Resistant (SR)	MF-10-260-L-2-SR
10	200 - 260	15.71 - 20.42	80	2	Porous Glass	Solvent Resistant (SR)	MF-10-260-S-2-SR
10	380 - 500	29.85 - 39.27	80	2	Porous Glass	Solvent Resistant (SR)	MF-10-500-L-2-SR
10	440 - 500	34.56 - 39.27	80	2	Porous Glass	Solvent Resistant (SR)	MF-10-500-S-2-SR
15	0 - 120	0.00 - 21.21	66.67	10	Porous Glass	Solvent Resistant (SR)	MF-15-120-L-10-SR
15	60 - 120	10.60 - 21.21	66.67	10	Porous Glass	Solvent Resistant (SR)	MF-15-120-S-10-SR
15	140 - 260	24.74 - 45.95	66.67	10	Porous Glass	Solvent Resistant (SR)	MF-15-260-L-10-SR
15	200 - 260	35.34 - 45.95	66.67	10	Porous Glass	Solvent Resistant (SR)	MF-15-260-S-10-SR
15	380 - 500	67.15 - 88.36	66.67	10	Porous Glass	Solvent Resistant (SR)	MF-15-500-L-10-SR
15	440 - 500	77.75 - 88.36	66.67	10	Porous Glass	Solvent Resistant (SR)	MF-15-500-S-10-SR
15	0 - 120	0.00 - 21.21	66.67	2	Porous Glass	Solvent Resistant (SR)	MF-15-120-L-2-SR
15	60 - 120	10.60 - 21.21	66.67	2	Porous Glass	Solvent Resistant (SR)	MF-15-120-S-2-SR
15	140 - 260	24.74 - 45.95	66.67	2	Porous Glass	Solvent Resistant (SR)	MF-15-260-L-2-SR
15	200 - 260	35.34 - 45.95	66.67	2	Porous Glass	Solvent Resistant (SR)	MF-15-260-S-2-SR
15	380 - 500	67.15 - 88.36	66.67	2	Porous Glass	Solvent Resistant (SR)	MF-15-500-L-2-SR
15	440 - 500	77.75 - 88.36	66.67	2	Porous Glass	Solvent Resistant (SR)	MF-15-500-S-2-SR

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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
20	0 - 120	0.00 - 37.70	60	10	Stainless Steel	Solvent Resistant (SR)	MF-20-120-L-10-SR
20	60 - 120	18.85 - 37.70	60	10	Stainless Steel	Solvent Resistant (SR)	MF-20-120-S-10-SR
20	140 - 260	43.98 - 81.86	60	10	Stainless Steel	Solvent Resistant (SR)	MF-20-260-L-10-SR
20	200 - 260	62.83 - 81.86	60	10	Stainless Steel	Solvent Resistant (SR)	MF-20-260-S-10-SR
20	380 - 500	119.38 - 157.08	60	10	Stainless Steel	Solvent Resistant (SR)	MF-20-500-L-10-SR
20	440 - 500	138.23 - 157.08	60	10	Stainless Steel	Solvent Resistant (SR)	MF-20-500-S-10-SR
20	0 - 120	0.00 - 37.70	60	2	Stainless Steel	Solvent Resistant (SR)	MF-20-120-L-2-SR
20	60 - 120	18.85 - 37.70	60	2	Stainless Steel	Solvent Resistant (SR)	MF-20-120-S-2-SR
20	140 - 260	43.98 - 81.86	60	2	Stainless Steel	Solvent Resistant (SR)	MF-20-260-L-2-SR
20	200 - 260	62.83 - 81.86	60	2	Stainless Steel	Solvent Resistant (SR)	MF-20-260-S-2-SR
20	380 - 500	119.38 - 157.08	60	2	Stainless Steel	Solvent Resistant (SR)	MF-20-500-L-2-SR
20	440 - 500	138.23 - 157.08	60	2	Stainless Steel	Solvent Resistant (SR)	MF-20-500-S-2-SR
25	0 - 120	0.00 - 58.90	50	10	Stainless Steel	Solvent Resistant (SR)	MF-25-120-L-10-SR
25	60 - 120	29.45 - 58.90	50	10	Stainless Steel	Solvent Resistant (SR)	MF-25-120-S-10-SR
25	140 - 260	68.72 - 127.63	50	10	Stainless Steel	Solvent Resistant (SR)	MF-25-260-L-10-SR
25	200 - 260	98.17 - 127.63	50	10	Stainless Steel	Solvent Resistant (SR)	MF-25-260-S-10-SR
25	380 - 500	186.53 - 245.44	50	10	Stainless Steel	Solvent Resistant (SR)	MF-25-500-L-10-SR
25	440 - 500	215.98 - 245.44	50	10	Stainless Steel	Solvent Resistant (SR)	MF-25-500-S-10-SR
25	0 - 120	0.00 - 58.90	50	2	Stainless Steel	Solvent Resistant (SR)	MF-25-120-L-2-SR
25	60 - 120	29.45 - 58.90	50	2	Stainless Steel	Solvent Resistant (SR)	MF-25-120-S-2-SR
25	140 - 260	68.72 - 127.63	50	2	Stainless Steel	Solvent Resistant (SR)	MF-25-260-L-2-SR
25	200 - 260	98.17 - 127.63	50	2	Stainless Steel	Solvent Resistant (SR)	MF-25-260-S-2-SR
25	380 - 500	186.53 - 245.44	50	2	Stainless Steel	Solvent Resistant (SR)	MF-25-500-L-2-SR
25	440 - 500	215.98 - 245.44	50	2	Stainless Steel	Solvent Resistant (SR)	MF-25-500-S-2-SR
50	0 - 120	0.00 - 235.62	28	10	Stainless Steel	Solvent Resistant (SR)	MF-50-120-L-10-SR
50	60 - 120	117.81 - 235.62	28	10	Stainless Steel	Solvent Resistant (SR)	MF-50-120-S-10-SR
50	140 - 260	274.89 - 510.51	28	10	Stainless Steel	Solvent Resistant (SR)	MF-50-260-L-10-SR
50	200 - 260	392.70 - 510.51	28	10	Stainless Steel	Solvent Resistant (SR)	MF-50-260-S-10-SR
50	380 - 500	746.13 - 981.75	28	10	Stainless Steel	Solvent Resistant (SR)	MF-50-500-L-10-SR
50	440 - 500	863.94 - 981.75	28	10	Stainless Steel	Solvent Resistant (SR)	MF-50-500-S-10-SR
50	0 - 120	0.00 - 235.62	28	2	Stainless Steel	Solvent Resistant (SR)	MF-50-120-L-2-SR
50	60 - 120	117.81 - 235.62	28	2	Stainless Steel	Solvent Resistant (SR)	MF-50-120-S-2-SR
50	140 - 260	274.89 - 510.51	28	2	Stainless Steel	Solvent Resistant (SR)	MF-50-260-L-2-SR
50	200 - 260	392.70 - 510.51	28	2	Stainless Steel	Solvent Resistant (SR)	MF-50-260-S-2-SR
50	380 - 500	746.13 - 981.75	28	2	Stainless Steel	Solvent Resistant (SR)	MF-50-500-L-2-SR
50	440 - 500	863.94 - 981.75	28	2	Stainless Steel	Solvent Resistant (SR)	MF-50-500-S-2-SR

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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 - 120	0.00 - 2.36	86.67	10	Polyethylene	Aqueous Buffer (AB)	MF-5-120-L-10-AB
5	60 - 120	1.18 - 2.36	86.67	10	Polyethylene	Aqueous Buffer (AB)	MF-5-120-S-10-AB
5	140 - 260	2.75 - 5.11	86.67	10	Polyethylene	Aqueous Buffer (AB)	MF-5-260-L-10-AB
5	200 - 260	3.93 - 5.11	86.67	10	Polyethylene	Aqueous Buffer (AB)	MF-5-260-S-10-AB
5	380 - 500	7.46 - 9.82	86.67	10	Polyethylene	Aqueous Buffer (AB)	MF-5-500-L-10-AB
5	440 - 500	8.64 - 9.82	86.67	10	Polyethylene	Aqueous Buffer (AB)	MF-5-500-S-10-AB
5	0 - 120	0.00 - 2.36	86.67	5	Polyethylene	Aqueous Buffer (AB)	MF-5-120-L-5-AB
5	60 - 120	1.18 - 2.36	86.67	5	Polyethylene	Aqueous Buffer (AB)	MF-5-120-S-5-AB
5	140 - 260	2.75 - 5.11	86.67	5	Polyethylene	Aqueous Buffer (AB)	MF-5-260-L-5-AB
5	200 - 260	3.93 - 5.11	86.67	5	Polyethylene	Aqueous Buffer (AB)	MF-5-260-S-5-AB
5	380 - 500	7.46 - 9.82	86.67	5	Polyethylene	Aqueous Buffer (AB)	MF-5-500-L-5-AB
5	440 - 500	8.64 - 9.82	86.67	5	Polyethylene	Aqueous Buffer (AB)	MF-5-500-S-5-AB
10	0 - 120	0.00 - 9.42	80	10	Polyethylene	Aqueous Buffer (AB)	MF-10-120-L-10-AB
10	60 - 120	4.71 - 9.42	80	10	Polyethylene	Aqueous Buffer (AB)	MF-10-120-S-10-AB
10	140 - 260	11.00 - 20.42	80	10	Polyethylene	Aqueous Buffer (AB)	MF-10-260-L-10-AB
10	200 - 260	15.71 - 20.42	80	10	Polyethylene	Aqueous Buffer (AB)	MF-10-260-S-10-AB
10	380 - 500	29.85 - 39.27	80	10	Polyethylene	Aqueous Buffer (AB)	MF-10-500-L-10-AB
10	440 - 500	34.56 - 39.27	80	10	Polyethylene	Aqueous Buffer (AB)	MF-10-500-S-10-AB
10	0 - 120	0.00 - 9.42	80	5	Polyethylene	Aqueous Buffer (AB)	MF-10-120-L-5-AB
10	60 - 120	4.71 - 9.42	80	5	Polyethylene	Aqueous Buffer (AB)	MF-10-120-S-5-AB
10	140 - 260	11.00 - 20.42	80	5	Polyethylene	Aqueous Buffer (AB)	MF-10-260-L-5-AB
10	200 - 260	15.71 - 20.42	80	5	Polyethylene	Aqueous Buffer (AB)	MF-10-260-S-5-AB
10	380 - 500	29.85 - 39.27	80	5	Polyethylene	Aqueous Buffer (AB)	MF-10-500-L-5-AB
10	440 - 500	34.56 - 39.27	80	5	Polyethylene	Aqueous Buffer (AB)	MF-10-500-S-5-AB
15	0 - 120	0.00 - 21.21	66.67	10	Polyethylene	Aqueous Buffer (AB)	MF-15-120-L-10-AB
15	60 - 120	10.60 - 21.21	66.67	10	Polyethylene	Aqueous Buffer (AB)	MF-15-120-S-10-AB
15	140 - 260	24.74 - 45.95	66.67	10	Polyethylene	Aqueous Buffer (AB)	MF-15-260-L-10-AB
15	200 - 260	35.34 - 45.95	66.67	10	Polyethylene	Aqueous Buffer (AB)	MF-15-260-S-10-AB
15	380 - 500	67.15 - 88.36	66.67	10	Polyethylene	Aqueous Buffer (AB)	MF-15-500-L-10-AB
15	440 - 500	77.75 - 88.36	66.67	10	Polyethylene	Aqueous Buffer (AB)	MF-15-500-S-10-AB
15	0 - 120	0.00 - 21.21	66.67	5	Polyethylene	Aqueous Buffer (AB)	MF-15-120-L-5-AB
15	60 - 120	10.60 - 21.21	66.67	5	Polyethylene	Aqueous Buffer (AB)	MF-15-120-S-5-AB
15	140 - 260	24.74 - 45.95	66.67	5	Polyethylene	Aqueous Buffer (AB)	MF-15-260-L-5-AB
15	200 - 260	35.34 - 45.95	66.67	5	Polyethylene	Aqueous Buffer (AB)	MF-15-260-S-5-AB
15	380 - 500	67.15 - 88.36	66.67	5	Polyethylene	Aqueous Buffer (AB)	MF-15-500-L-5-AB
15	440 - 500	77.75 - 88.36	66.67	5	Polyethylene	Aqueous Buffer (AB)	MF-15-500-S-5-AB

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
20	0 - 120	0.00 - 37.70	60	10	Polyethylene	Aqueous Buffer (AB)	MF-20-120-L-10-AB
20	60 - 120	18.85 - 37.70	60	10	Polyethylene	Aqueous Buffer (AB)	MF-20-120-S-10-AB
20	140 - 260	43.98 - 81.86	60	10	Polyethylene	Aqueous Buffer (AB)	MF-20-260-L-10-AB
20	200 - 260	62.83 - 81.86	60	10	Polyethylene	Aqueous Buffer (AB)	MF-20-260-S-10-AB
20	380 - 500	119.38 - 157.08	60	10	Polyethylene	Aqueous Buffer (AB)	MF-20-500-L-10-AB
20	440 - 500	138.23 - 157.08	60	10	Polyethylene	Aqueous Buffer (AB)	MF-20-500-S-10-AB
20	0 - 120	0.00 - 37.70	60	5	Polyethylene	Aqueous Buffer (AB)	MF-20-120-L-5-AB
20	60 - 120	18.85 - 37.70	60	5	Polyethylene	Aqueous Buffer (AB)	MF-20-120-S-5-AB
20	140 - 260	43.98 - 81.86	60	5	Polyethylene	Aqueous Buffer (AB)	MF-20-260-L-5-AB
20	200 - 260	62.83 - 81.86	60	5	Polyethylene	Aqueous Buffer (AB)	MF-20-260-S-5-AB
20	380 - 500	119.38 - 157.08	60	5	Polyethylene	Aqueous Buffer (AB)	MF-20-500-L-5-AB
20	440 - 500	138.23 - 157.08	60	5	Polyethylene	Aqueous Buffer (AB)	MF-20-500-S-5-AB
25	0 - 120	0.00 - 58.90	50	10	Polyethylene	Aqueous Buffer (AB)	MF-25-120-L-10-AB
25	60 - 120	29.45 - 58.90	50	10	Polyethylene	Aqueous Buffer (AB)	MF-25-120-S-10-AB
25	140 - 260	68.72 - 127.63	50	10	Polyethylene	Aqueous Buffer (AB)	MF-25-260-L-10-AB
25	200 - 260	98.17 - 127.63	50	10	Polyethylene	Aqueous Buffer (AB)	MF-25-260-S-10-AB
25	380 - 500	186.53 - 245.44	50	10	Polyethylene	Aqueous Buffer (AB)	MF-25-500-L-10-AB
25	440 - 500	215.98 - 245.44	50	10	Polyethylene	Aqueous Buffer (AB)	MF-25-500-S-10-AB
25	0 - 120	0.00 - 58.90	50	5	Polyethylene	Aqueous Buffer (AB)	MF-25-120-L-5-AB
25	60 - 120	29.45 - 58.90	50	5	Polyethylene	Aqueous Buffer (AB)	MF-25-120-S-5-AB
25	140 - 260	68.72 - 127.63	50	5	Polyethylene	Aqueous Buffer (AB)	MF-25-260-L-5-AB
25	200 - 260	98.17 - 127.63	50	5	Polyethylene	Aqueous Buffer (AB)	MF-25-260-S-5-AB
25	380 - 500	186.53 - 245.44	50	5	Polyethylene	Aqueous Buffer (AB)	MF-25-500-L-5-AB
25	440 - 500	215.98 - 245.44	50	5	Polyethylene	Aqueous Buffer (AB)	MF-25-500-S-5-AB
50	0 - 120	0.00 - 235.62	28	10	Polyethylene	Aqueous Buffer (AB)	MF-50-120-L-10-AB
50	60 - 120	117.81 - 235.62	28	10	Polyethylene	Aqueous Buffer (AB)	MF-50-120-S-10-AB
50	140 - 260	274.89 - 510.51	28	10	Polyethylene	Aqueous Buffer (AB)	MF-50-260-L-10-AB
50	200 - 260	392.70 - 510.51	28	10	Polyethylene	Aqueous Buffer (AB)	MF-50-260-S-10-AB
50	380 - 500	746.13 - 981.75	28	10	Polyethylene	Aqueous Buffer (AB)	MF-50-500-L-10-AB
50	440 - 500	863.94 - 981.75	28	10	Polyethylene	Aqueous Buffer (AB)	MF-50-500-S-10-AB
50	0 - 120	0.00 - 235.62	28	5	Polyethylene	Aqueous Buffer (AB)	MF-50-120-L-5-AB
50	60 - 120	117.81 - 235.62	28	5	Polyethylene	Aqueous Buffer (AB)	MF-50-120-S-5-AB
50	140 - 260	274.89 - 510.51	28	5	Polyethylene	Aqueous Buffer (AB)	MF-50-260-L-5-AB
50	200 - 260	392.70 - 510.51	28	5	Polyethylene	Aqueous Buffer (AB)	MF-50-260-S-5-AB
50	380 - 500	746.13 - 981.75	28	5	Polyethylene	Aqueous Buffer (AB)	MF-50-500-L-5-AB
50	440 - 500	863.94 - 981.75	28	5	Polyethylene	Aqueous Buffer (AB)	MF-50-500-S-5-AB