

MODcol® Spring® Columns for LC

50mm i.d. Spring® Column



Manufacturer:

W. R. Grace & Co.-Conn.
Grace Davison Discovery Sciences
2051 Waukegan Road
Deerfield, IL 60015, U.S.A.

Technical Data

MATERIALS	
All Wetted Surfaces	Stainless Steel 316L, PTFE
Column Body	Stainless Steel 316L (electropolished, Ra < 0.3µm)
Flange Plate	Stainless Steel 316L (electropolished, Ra < 0.3µm)
Piston	Stainless Steel 316L (electropolished, Ra < 0.3µm)
Packing Spacers	Aluminium 6061 (hard anodized)
Threaded Flange	Aluminium 6061 (hard anodized)
DAC Washer Guide Tube	Stainless Steel 316L
DAC Conical Washers	Stainless Steel (various types available)
Capillaries, Fittings, Adapters	Stainless Steel 316L (fittings & adapters: Valco® type)
Screws & Nuts	Steel, SAE Grade 8
Frits	Stainless Steel 316L (sintered, passivated)
Seals & Heat Shrink Tubing	PTFE

OPERATING PARAMETERS	50 x 400mm Hardware	50 x 700mm Hardware
Void Volume	800ml	1400ml
Max. packed bed volume	400ml	700ml
Max. packed bed length	200mm	350mm
Max. operating pressure	138bar / 2000psig	
Max. operating temperature	Packing: 15°C - 30°C, LC-Operation: 4°C - 60°C	

PED 97/23/EC	
Pressure Equipment Classification	Vessel as per Article 3, Section 1.1 (a), first and second indent
Operating Fluids	Fluid Group 1 + 2
Category	Article 3, Paragraph 3

This column hardware for liquid chromatography use is manufactured in accordance with the requirements of the Pressure Equipment Directive (97/23/EC), including its requirements concerning good engineering practices.

F.D.A. Approved Materials

We hereby confirm that all the PTFE seals and shrink tubings supplied with the MODcol® Spring® Column hardware conform to F.D.A. Regulation 21 CFR 177.1550.

W. R. Grace & Co.-Conn. 7500 Grace Drive, Columbia, MD 21044

Americas Illinois Tel: 1 847 948 8600 discoverysciences@grace.com	Australia Victoria Tel: +61 3 9237 6100 discoverysciences.AU@grace.com	Belgium Lokeren Tel: +32 (0)9 340 65 65 discoverysciences.BE@grace.com	China Shanghai Tel: 86 21 5467 4678 dsbiz.asia@grace.com	France Templemars Tel: +33 (0)3 20 62 96 00 discoverysciences.FR@grace.com	Germany Worms Tel: +49 (0)6241 403 2037 discoverysciences.DE@grace.com	India Chennai Tel: +91 44 4393 7400 chennai@grace.com
India Pune Tel: +91 20 6644 9900 pune@grace.com	Italy Sedriano Tel: +39 02 901 10 150 discoverysciences.IT@grace.com	Japan Tokyo Tel: 81 3 3537 6096 dsbiz.japan@grace.com	The Netherlands Breda Tel: +31 (0)76 571 7576 discoverysciences.NL@grace.com	Russian Federation Moscow Tel: + 7 495 9374839 discoverysciences.RU@grace.com	United Kingdom Lancashire Tel: +44 (0)1524 734451 discoverysciences.UK@grace.com	

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