

# MODcol® Spring® Columns for LC

## 25mm 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	25 x 400mm Hardware	25 x 700mm Hardware
Void Volume	200ml	350ml
Max. packed bed volume	100ml	175ml
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.

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