

S 1525 & S 1535 PUMP SERIES

We believe it is correct to say that the pumps of a preparative chromatography system - if not with any chromatography system - are the heart of the system.

Notwithstanding that any part of a chromatography system can play an essential role, it is quite undisputed that the pumps are a key component defining any achievable chromatographic performance.

In order to achieve maximum performance for each desired flow rate range we propose two pump units, each of which configurable for specific needs.

For a flow rate range of up to 150 ml/min or up to 250 ml/min and the possibility for a built-in quaternary gradient mixer we propose the S 1535 pump.

For larger flow rates of up to 500 ml/min or up to 1000 ml/min and/or the use of an external binary, ternary or quaternary gradient mixer we propose the S 1525 pump.

Both the S 1525 and the S 1535 pumps are available as stainless steel version and a metal-free flow path PEEK version.

Both the S 1525 and the S 1535 pumps stand out with a well oversized and powerful drive system, enabling working pressures of up to 400 bar - even at 1000 ml/min.



The S 1535 Preparative Pump, with a flow rate range of up to 250 ml/min and pressure range up to 400 bar with stainless steel pump heads and optional built-in low pressure mixing quaternary gradient mixer



The S 1525 Preparative Pump, with metal-free PEEK pump heads, a flow rate range of up to 1000 ml/min and pressure range of up to 350 bar

THE S 1535 PREPARATIVE LC PUMP



An optional built-in low pressure quaternary gradient mixer gives the user flexibility for running applications needing complex water/solvent gradients as often encountered in straight phase and reversed phase chromatography, as well as reliable gradient formation and robust operation for high salt containing buffer gradients - as often used in protein chromatography applications.



The S 1535 Preparative LC Pump is available as a 150 ml/min and a 250 ml/min version and a pressure range of 400 bar with stainless steel pump heads, and up to 350 bar with PEEK pump heads.

Preparative Pump System S 1535 Stainless Steel

Catalog No.	Description	Specifications
S008806	Preparative Pump S 1535-150	Max. flow rate: 150 ml/min
	150 ml stainless steel pump head	Max. pressure: 400 bar (5800 psi)
S008761	Preparative Pump S 1535-250	Max. flow rate: 250 ml/min
	250 ml stainless steel pump head	Max. pressure: 400 bar (5800 psi)

Preparative Pump System S 1535 PEEK

Catalog No.	Description	Specifications
S008845	Preparative Pump S 1535-150	Max. flow rate: 150 ml/min
	150 ml PEEK pump head	Max. pressure: 350 bar (5000 psi)
S008844	Preparative Pump S 1535-250	Max. flow rate: 250 ml/min
	250 ml PEEK pump head	Max. pressure: 350 bar (5000 psi)

Update Options/Accessories

Catalog No.	Description	Notes
S008805	Quaternary Gradient Mixer	Low pressure quaternary gradient mixer with integrated degasser

Technical Specifications

Flow accuracy	± 2 %	Operation	Manual, RS232, USB, LAN, digital I/O
Flow precision	≤ 0.1 %	Digital I/O	Start, stop, 3 x input, 4 x output
Wetted materials	PEEK/stainless steel, PE, PTFE, ceramic	Dimensions	383 x 165 x 460 mm
Max. pressure	350 / 400 bar (PEEK / stainless steel)	Weight	12.2 kg
Piston backflush	Passive	Power supply	100 - 240 V, 50 - 60 Hz
Gradient accuracy	± 2.5 % (low pressure gradient)		
Gradient precision	≤ 2% RSD (low pressure gradient)		

THE S 1525 PREPARATIVE LC PUMP



The S 1525 Preparative LC pump is the largest heavy duty pump of the preparative LC product range. The S 1525 pump is available with four flow rate ranges. These are 150, 250, 500 or 1000 ml per minute. Each available as stainless steel version or as metal-free PEEK versions.

The S 1525 LC pump aims to serve the highest demands in terms of operability and longevity at pressures of up to 400 bar, even at the highest flow rates.

The oversized motorization and mechanics implemented at the S 1525 pump warrant low maintenance and high durability for demanding chromatographic applications.



Preparative Pump System S 1525 Stainless Steel

Catalog No.	Description	Specifications
S007020	Preparative Pump S 1525-150	Max. flow rate: 150 ml/min
	150 ml stainless steel pump head	Max. pressure: 400 bar (5800 psi)
S006978	Preparative Pump S 1525-250	Max. flow rate: 250 ml/min
	250 ml stainless steel pump head	Max. pressure: 400 bar (5800 psi)
S006979	Preparative Pump S 1525-500	Max. flow rate: 500 ml/min
	500 ml stainless steel pump head	Max. pressure: 400 bar (5800 psi)
S006981	Preparative Pump S 1525-1000	Max. flow rate: 1000 ml/min
	1000 ml stainless steel pump head	Max. pressure: 350 bar (5000 psi)