

Sykam Blue Solvent Delivery System

The Sykam Blue Solvent Delivery System features an active low-pressure and volume-adjustable gradient mixer combined with an integrated vacuum degasser.

The system can be configured with either a stainless steel or PEEK analytical pump head for a wide range of applications ranging from standard reversed phase HPLC up to bio chromatography applications.



S 1125G Quaternary Gradient Pump

Also available in a version with a wider housing (S 1130G).

PARAMETER	SPECIFICATION
Wetted materials	Stainless steel or PEEK pump heads; Teflon AF, PVDF, Ceramics, Sapphire, Ruby
Flow rate (programmable)	Analytical pump heads: 0.001–10 mL/min
Flow accuracy	±1.0 % @ 1 mL/min
Flow precision	±0.1 % RSD @ 1 mL/min
Pressure range	0–4 MPa (0–6000 psi)
Pressure pulsation	Typical < 0.1 MPa or < 1.0 %
Compressibility compensation	User-adjustable for different solvents
Gradient range	0–100 %, 4 channels
Gradient accuracy	< 0.50 %
Gradient mixer	Active mixing, adjustable mixer volume (10–500 µL)
Vacuum degasser (integrated)	< 20 % remaining dissolved gases in water @ 1 mL/min
Piston backflushing	Active (only available for stainless steel version)
Dimensions	310×165×478 mm W×H×D
Weight	15 kg (depending on individual configuration)
Power supply	100–250 V, 47–63 Hz
Article numbers	S000044 (stainless steel) S000047 (PEEK)