

S 9425 and S 9430 Isocratic High - Pressure Pump

The Schambeck SFD GmbH Pump HPLC System is intended for the ambitious analyst. The system configuration is highly variable and several upgrade options make this system suitable for the whole range of analytical applications.

The HPLC Pump System is a very flexible and powerful HPLC solvent delivery system.

Its modular setup makes the HPLC Pump System one of the most versatile pump systems on the market.



The Pumps S 9425 and S 9430 are available as Isocratic High - Pressure Pump and Quaternary Low - Pressure Gradient Pump (see flyer S 9425 and S 9430 Gradient Low - Pressure Pump).

The S 9425 and S 9430 Isocratic High - Pressure Pump is available with Micro, Analytical or Preparative pump head in Stainless Steel or PEEK.

The S 9425 Isocratic High - Pressure Pump is delivered in a small housing. The S 9430 Isocratic High - Pressure Pump is delivered in a slightly larger housing (see technical specifications).

The size of the pump housing are adapted to the two different auto samplers (60 vials or 120 vials).

Stepper Motor

The S 9425 and S 9430 Isocratic High - Pressure Pump are driven by high - power stepper motors.

The stepper motor has a much better resolution in the low - flow range than a conventional DC motor.

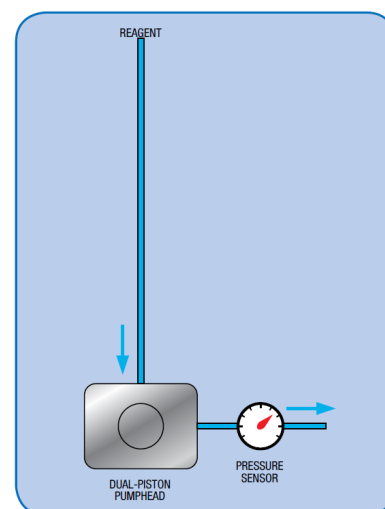


Fig.: S 9425 / S 9430 Isocratic

Lubrication

The S 9425 and S 9430 Isocratic High - Pressure Pump camshafts are constantly lubricated within a sealed chamber to guarantee long lifetime and low maintenance.

Dual-Piston Pump head

The S 9425 and S 9430 Isocratic High - Pressure Pumps use a dual-piston pump head for low pulsation. Together with electronic pressure compensation the pumps are suitable for all analytical tasks in HPLC and GPC.

Optional: Piston Back Flushing

The S 9425 and S 9430 Isocratic High - Pressure Pump heads incorporate an optional active piston back flushing system; this system is interchangeable with old Schambeck SFD GmbH pumps and does not require an additional motor

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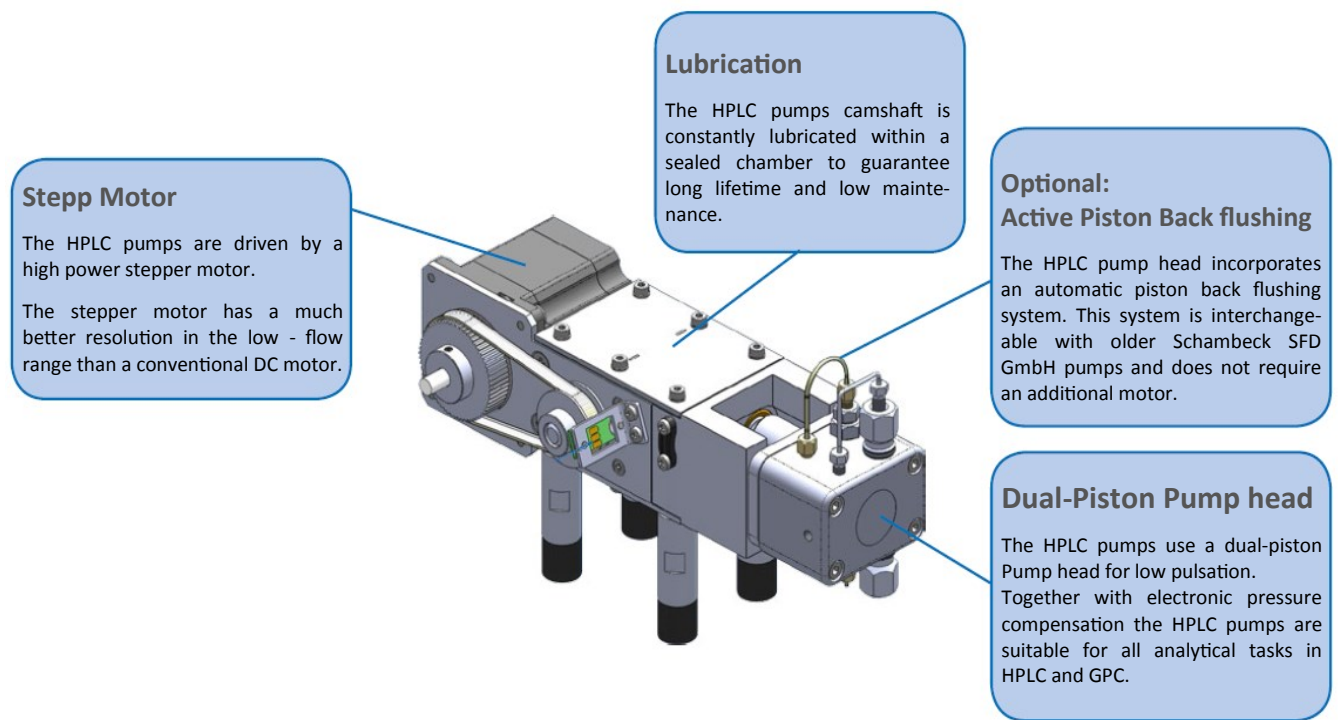


Figure: S 9425 and S 9430 Pump Mechanic

Technical Specifications*

Wetted Materials:	Stainless Steel / PEEK*, Teflon AF®, PVDF, Ceramics, Sapphire, Ruby
Flow Rate:	Programmable
	Micro: 0.001 - 2.000 ml/min.
	Analytical: 0.001 - 10.000 ml/min.
	Preparative: 0.100 - 40.000 ml/min.
Flow Accuracy:	± 1.0 % 1.000 ml/min.
Flow Precision:	± 0.1 % RSD 1.000 ml/min.
Pressure Range:	0 – 40 MPa (0 – 6000 PSI)
Pressure Pulsation:	typical < 0.1 MPa or < 1.0 %
Compressibility Compensation:	user-adjustable for different solvents
Dimensions (W x H x D):	S 9425 310 x 165 x 478 mm (small housing)
	S 9430 396 x 165 x 478 mm (larger housing)
	The size of the pump housing are adapted to the two different auto samplers (60vials or 120 vials).
Power Supply:	100 - 250 ~V (47 - 63 Hz)

* depending on configuration

Order Information S 9425 Isocratic High - Pressure Pump (small housing)

Part-No.:	Description:
S9425ISM	S 9425 Isocratic High - Pressure Pump – Stainless Steel – Micro
S9425IPM	S 9425 Isocratic High - Pressure Pump – PEEK – Micro
S9425ISA	S 9425 Isocratic High - Pressure Pump – Stainless Steel – Analytical
S9425IPA	S 9425 Isocratic High - Pressure Pump – PEEK – Analytical
S9425ISP	S 9425 Isocratic High - Pressure Pump – Stainless Steel – Preparative
S9425IPP	S 9425 Isocratic High - Pressure Pump – PEEK – Preparative
S9425-02	Option: Integrated Active Piston Back Flushing System

Order Information S 9430 Isocratic High - Pressure Pump (large housing)

Part-No.:	Description:
S9430ISM	S 9430 Isocratic High - Pressure Pump – Stainless Steel – Micro
S9430IPM	S 9430 Isocratic High - Pressure Pump – PEEK – Micro
S9430ISA	S 9430 Isocratic High - Pressure Pump – Stainless Steel – Analytical
S9430IPA	S 9430 Isocratic High - Pressure Pump – PEEK – Analytical
S9430ISP	S 9430 Isocratic High - Pressure Pump – Stainless Steel – Preparative
S9430IPP	S 9430 Isocratic High - Pressure Pump – PEEK – Preparative
S9425-02	Option: Integrated Active Piston Back Flushing System

Order Information Spare Parts S 9425 and S 9430 Isocratic Pump

Part-No.:	Description:
2020019	Ceramic Piston - micro
2410020	Primary Piston Seal - micro, grey
2410021	Secondary Piston Seal - micro, white
2020018	Ceramic Piston - analytical
2410015	Primary Piston Seal - analytical, grey
2410016	Secondary Piston Seal - analytical, white
2020020	Ceramic Piston - preparative
2410018	Primary Piston Seal - preparative, grey
2410019	Secondary Piston Seal - preparative, white

Order Information Solvent bottle rack

Part-No.:	Description:
SBR1	Solvent bottle rack include 1000 ml glas bottle