

HPLC Pumps

We Have a Pump for Every Need and Budget

Use this pump feature comparison chart to choose the pump that is best for your application, then go to the catalog page for more information.

Model	Catalog Page	Flow Range	Isocratic/Gradient	Pressure Monitoring
301 HPLC Pump	18	0.01 - 10mL/min	isocratic	No
426 HPLC Pump	18	0.01 - 10mL/min	isocratic	Yes
626 HPLC Pump	19	0.001 - 12mL/min	isocratic or binary gradient	Yes
627 Preparative Pump	19	0.01 - 100mL/min	isocratic or binary gradient	Yes
442 Binary Gradient Pump	20	0.001 - 5.000mL/min	binary gradient	Yes
801 Ultra-High Pressure Pump	20	0.001 - 5.000mL/min	isocratic or binary gradient	Yes
727 Quaternary Gradient Pump	21	0.001 - 5.000mL/min	quaternary gradient	Yes

Alltech® 426 and 301 HPLC Pumps



Both pumps are available in stainless steel or biocompatible PEEK.

Low-Cost, High-Performance Isocratic Pumps

Both pumps feature:

- Built-in pulse dampener and rapid refill for pulse-free operation
- Self-flushing pump head for longer seal-life
- Automatic prime/purge system for easy priming
- Wide flow range for broad HPLC work, including semi-preparative applications
- EZChrom driver and cables included

The Model 426 has these additional features:

- User-settable upper and lower pressure limits
- Pressure monitoring on the LCD
- Interfacing features for convenient pump control

Model	301 HPLC Pump	426 HPLC Pump
Flow Range:	0.01–10mL/min	0.01–10mL/min
Isocratic/gradient:	Isocratic	Isocratic
Pressure Monitoring:	No	Yes
Max. Operating Pressure:	6000psig (SS), 5000psig (PEEK)	6000psig (SS), 5000psig (PEEK)
Flow Precision:	0.2% RSD	0.2% RSD
Flow Accuracy:	±2.0%	±2.0%
Dimensions:	6" H x 11" W x 18" D (15cm H x 26cm W x 46cm D)	6" H x 11" W x 18" D (15cm H x 26cm W x 46cm D)
Weight:	30lb (14kg)	30lb (14kg)
Warranty:	3-year parts, excluding seals, check valves, and pulse dampener; 1-year labor	3-year parts, excluding seals, check valves, and pulse dampener; 1-year labor
Drivers:	EZChrom Elite/EZStart	EZChrom Elite/EZStart

Model 426 and 301 HPLC Pumps

Description	Part No.
<i>Model 426 HPLC Pump</i>	
PEEK, 85–265VAC, 47–63Hz	426150
Stainless Steel, 85–265VAC, 47–63Hz	426250
<i>Model 301 HPLC Pump</i>	
PEEK, 85–265VAC, 47–63Hz	301150
Stainless Steel, 85–265VAC, 47–63Hz	301250

Model 426 and 301 HPLC Replacement Parts

Description	Part No.
Pump Head Kit, PEEK	120800
Pump Head Kit, Stainless Steel	120799
Piston Seal Kit	120680
Piston	121486
Check Valve Kit, PEEK	060141
Check Valve Kit, Stainless Steel	120679

Note: All replacement parts contain parts for one pump head only.

more info

All pumps can be controlled by EZChrom Elite or EZStart chromatography data systems. The driver and cables are included with every pump. If you wish to separately purchase the Driver Kit, please refer to part number **8619000**.

HPLC Pumps

Alltech® 626 HPLC Pump

**High-Performance
Isocratic Pump**



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- Suitable for standard and microflow applications
- Dual-piston mechanism for pulse-free operation
- Built-in low dead volume pulse dampener
- Self-flushing pump head for longer seal life
- EZChrom driver and cables included

The Model 626 Pump is a rugged and reliable component for a basic analytical system, a sophisticated method development system, or for general laboratory or industrial use. It is available in either traditional 316 stainless steel or biocompatible PEEK.

626 HPLC Pump Specifications	
Flow Range:	0.001–12mL/min
Fluid Path:	PEEK or Stainless Steel
Isocratic/gradient:	Isocratic or binary gradient
Pressure Monitoring:	Yes
Max. Operating Pressure:	6000psig (SS), 5000psig (PEEK)
Flow Precision:	0.2% RSD
Flow Accuracy:	±2.0%
Dimensions:	6" H x 11" W x 18" D (15cm H x 26cm W x 46cm D)
Weight:	30lb (14kg)
Warranty:	3-year parts, excluding seals, check valves, and pulse dampener; 1-year labor
Gradient Mixing Mode:	High-Pressure
Profiles:	Programmable Multi-step
Gradient Programming:	10 methods with up to 100 lines per method
Drivers:	EZChrom Elite/EZStart

Model 626 HPLC Pump

Description	Part No.
<i>Isocratic System</i>	
PEEK, 85–265VAC, 47–63Hz	626150
Stainless Steel, 85–265VAC, 47–63Hz	626250

Accessories and Replacement Parts for Model 626

Description	Part No.
<i>Accessories</i>	
SCU Keypad Controller	726300
<i>Replacement Parts</i>	
Piston Seal Kit	160566
Piston	160565
Check Valve Kit, Stainless Steel	120679
Check Valve Kit, PEEK	060141

Note: All replacement parts contain parts for one pump head only.

Alltech® 627 Prep Pump

**Ideal for Scale-up
Work, Semi-Prep and
Preparative HPLC**



6774

- Dual-piston mechanism for pulse-free operation
- Built-in low dead volume pulse dampener
- Self-flushing pump head for longer seal life
- Isocratic or high-pressure binary gradient
- EZChrom driver and cables included

The Model 627 Preparative Pump delivers the accuracy and precision of a standard analytical pump at flow rates up to 100mL/min.

627 Preparative Pump Specifications	
Flow Range:	0.01–100mL/min
Fluid Path:	PEEK or Stainless Steel
Isocratic/gradient:	Isocratic or binary gradient
Pressure Monitoring:	Yes
Max. Operating Pressure:	4000psig (both SS and PEEK)
Flow Precision:	0.5% RSD
Flow Accuracy:	±2.0%
Dimensions:	6" H x 11" W x 18" D (15cm H x 26cm W x 46cm D)
Weight:	35lb (16kg)
Warranty:	3-year parts, excluding seals, check valves, and pulse dampener; 1-year labor
Gradient Mixing Mode:	High-Pressure
Profiles:	Programmable Multi-step
Gradient Programming:	10 methods with up to 100 lines per method
Drivers:	EZChrom Elite/EZStart

Model 627 Preparative Pump

Description	Part No.
<i>Isocratic System</i>	
PEEK, 85–265VAC, 47–63Hz	627150
Stainless Steel, 85–265VAC, 47–63Hz	627250

Accessories and Replacement Parts for Model 627

Description	Part No.
<i>Accessories</i>	
SCU Keypad Controller	726400
<i>Replacement Parts</i>	
Piston Seal Kit	120681
Piston	121504
Check Valve Kit, Stainless Steel	120679
Check Valve Kit, Metal-Free	060141

Note: All replacement parts contain parts for one pump head only.

related products

Looking for preparative columns and accessories?
See our prep section, pages 148–183.