

Teledyne Isco Precision Syringe Pumps

260HP High Pressure Syringe Pump

9,500 PSI FOR HIGH PRESSURE APPLICATIONS

The 260HP syringe pump provides precise, predictable flow and pressure control at flow rates from sub-microliter to 107 ml/min. Exceptional low-flow stability at up to 9,500 psi makes this the ideal pump for high pressure applications from deep well core analysis to multi-dimensional capillary LC using small-bore packed capillary columns.

The D-series controller has a keypad and LCD, as well as built-in and optional interfaces for computer control and other devices. Programming is easy and flexible, with instant access to menu screens even when the pump is running. This allows you to change operating parameters on the fly. An optional extension cable lets you locate the controller up to 50 feet from the pump.

The 260HP pump module has a single-ratio drive train with auto-lubricating gears for long life and low maintenance. Special fittings are used to prevent leaks and ensure safety at maximum pressure.

Wetted materials are compatible with most aqueous and organic liquids, corrosive solutions, heated fluids, liquefied gases, viscous fluids, or slurries and pastes.

Applications

- High-pressure experiments requiring precision control
- Proteomics research using nanobore capillary packed columns
- Rock core analyses for hydrocarbon recovery studies in deep-well reservoirs
- Reactant feed in chemical process development, catalyst evaluation, plastic formation



Teledyne Isco, Inc., 4700 Superior Street, Lincoln, NE 68504 USA
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260HP Specifications

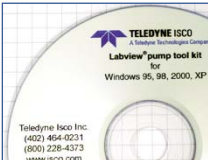
Pump module:	260HP
Capacity:	266 ml
Flow range (ml/min):	0.001 – 107 ml/min
Flow accuracy:	± 0.5% of setpoint, (Maximum 0.50 µl/min seal leakage)
Displacement resolution:	16.63 nl
Motor stability:	± 0.001% per year
Pressure range:	0.7 - 655 bar (10 - 9,500 psi)
Standard pressure accuracy:	0.5% FS
Optional pressure accuracy:	0.1% FS
Wetted materials (standard):	Nitronic 50, Graphite filled PTFE, TFE, Hastelloy C-276, inert polymers, gold, titanium
Plumbing ports:	1/8" Valco
Operating temperature:	5 - 40° C ambient
Power required:	100 Vac, 117 Vac, 234 Vac, 50/60 Hz (specify)
Dimensions (H x W x D):	103cm x 27cm x 45cm (40.6" x 10.7" x 17.9")
Weight:	Pump unit – 33.2 kg, Controller – 2.96 kg
Standards conformity:	EN1010-1, EN61326:1998, UL6101A-1, CSA1010

Isco is continually improving its products and reserves the right to change specifications without notice.

260HP Options & Accessories



- Temperature control jacket (i.e. cylinder cooling for filling with liquefied gas)



- Drivers for LabVIEW - National Instruments



- High-accuracy pressure transducers (0.1% linear accuracy)

260HP Ordering Information

260HP Syringe Pump (includes controller)	60-5364-256
260HP Pump Module (only)	60-5364-244



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