



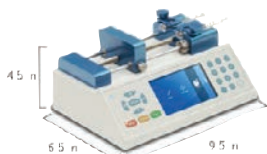
Syringe Pumps



Fusion Touch Pumps

Our line of Fusion laboratory syringe pumps are designed for accuracy and ease of use and monitoring. The Touch series features precise flow rates, combined with syringe recognition, and USB, RS232 and TTL for PC control. These pumps allow for Simple and Smart Advanced Flow Control. The new Fusion touch syringe pump has one of the newest ARM processors, allowing it to load/save methods, control motor force, and run an array of complex flow profiles. Users can program in (without a PC): Constant flow, Variable/Punctuated flow profiles, Gradient flows and Advanced loops.

Fusion Touch features an overview hybrid touchscreen and keypad interface. Set any parameter through a familiar "windows"-like environment and change settings such as syringe ID, flow rate, volume, and delay time. Syringe dimensions can also be loaded from an internal syringe library stored on the pump. Dual entry modes allow users to wear gloves and still operate the system. Both keypad and screen are coated with solvent-resistant PP coating for operational durability under laboratory environments.



Part #	Description	Price
F100T	0.0001ul/min to 102 ml/min Infusion Only	
F200T	0.0001ul/min to 65 ml/min Infusion/Withdraw	
F400T	0.00001ul/min to 10 ml/min Infusion Only	

The Nexus Series Syringe Pumps

The Nexus series syringe pumps are high-end fluid delivery systems designed to tackle extremely tough applications with high rate variation sensitivities due to high pressure and viscosity dosing.

Standard Features:

- Color Graphic LCD interface
- Infuse/withdraw rack
- Stall detection
- RS232 port standard for computer control
- Gradient/multistep pumping function



Part #	Description	Price
N3000	0.00001ul/min to 300 ml/min, Infusion Withdraw – 10 channel rack option.	
N6000	0.00001ul/min to 200 ml/min Up to 550 lbs of force – Infusion/Withdraw 4 channel rack options.	

NE-1000, NE-1600, NE-1800



- Holds 1-8 Syringes up to 60cc (depending on model)
- Network, control and monitor up to 100 pumps with one computer
- Infusion rates from 0.73 μ L/hr (1cc syringe) to 2100 ml/hr (60cc syringe)
- Set a single pumping rate and/or dispensing volume
- Space Saving Chassis: Footprint size of only 5 $\frac{1}{4}$ " x 8 $\frac{3}{4}$ ".
- Operates stand-alone or from a computer
- Program up to 41 pumping phases that change pumping rates, set dispensing volumes, insert pauses, control and respond to external signals and sound the buzzer
- Built-in Automation
- Infusion and withdrawal
- Worldwide power supplies available
- Easy-to-use keypad interface
- Two-year warranty
- Dispensing accuracy of +/- %

Part #	Description	Price
NE-1000	Single Syringe Pump	
NE-1600	Six Syringe Pump	
NE-1800	Eight Syringe Pump	

Standard Infusion-Only Pump 11 Elite Syringe Touch Pumps

The Pump 11 Elite Series of syringe pumps expands its capabilities to satisfy your experimental requirements. These compact syringe pumps carry on the tradition as the premiere workhorse infusion pump, offering unparalleled ease of use with a high-resolution touch screen with intuitive icon interface. The Pump 11 Elite Series allows you to create, save and run simple to complex methods without a PC. These syringe pumps have a new mechanism that includes a tight gripping, more secure syringe clamp for syringes ranging from 0.5ul to 60ml (single syringe) and 0.5ul to 10 ml (dual syringe). The Pump 11 Elite Series offers enhanced flow performance with high accuracy and smooth flow from 1.28 pl/min to 88.28 ml/min.



Part #	Description	Price
704500	Pump 11 Elite Infusion-Only Single Syringe	
704501	Pump 11 Elite Infusion-Only Dual Syringe	

Standard Infusion/Withdraw PHD Ultra Syringe Touch Pumps

The PHD Ultra is the solution for your most demanding fluidics applications. This pump represents the latest technology in syringe pumps and was developed utilizing the feedback of the world's largest populations of syringe pump users. The PHD Ultra will change the way you think about syringe pumps.



Part #	Description	Price
703005	PHD Ultra Syringe Pump Infuse-Only Standard	
703020A	PHD Ultra 6x10 MultiRack - when purchased with Pump	
703021A	PHD Ultra 4x140 MultiRack - when purchased with Pump	
703006	PHD Ultra Syringe Pump Infuse/Withdraw Standard	
703007	PHD Ultra Syringe Pump Infuse/Withdraw Programmable	
703008	PHD Ultra Syringe Pump with Push/Pull Mechanism	
703009	PHD Ultra Syringe Pump with Push/Pull Mechanism Programmable	
703022A	PHD Ultra MicroDialysis MultiRack - when purchased with Pump	