



XTREME SYRINGE PUMPS



Power requirements	100-120 VAC / 200-240 VAC, 50/60 Hz
Input current	7.9 A / 3.95 A
Temperature range	10°C to 70°C
Weight	Main pump section: 109 lbs (49.5 kg) Controller: 15 lbs (6.8 kg)
Dimensions	Main pump section: 12" W x 29" D x 11" H Controller: 11" W x 17" D x 6" H
Safety standards met	UL 61010A-1, CSA C22.2 No. 61010-1, EN 61326-1:2006; Clause 7.2, EN 61326-1:2006; Table 2, EN 61010-1:2001

Do you need a pressure source close to your NMR spectrometer? One that can deliver pressure and maintain it in a smooth manner to minimize spectral artifacts? The Xtreme Syringe Pumps may be the solution for you. When coupled with Daedalus' high pressure NMR cells, high-quality triple resonance spectroscopy can be performed by researchers without previous experience with high pressure applications. Operation is simple: enter the set point and hit run. The pump does the rest of the work and maintains the pressure for as long as needed. If a series of pressure points is needed, the Xtreme can be programmed for multi-point pressure titrations and with optional data logging of the steps.

The **Xtreme-60** is the high pressure, low volume pump for use up to 60,000 psi. It is designed to handle incompressible fluids such as water without stalling the drive train.

For applications that may require gas we have the **Xtreme-10**. With a higher displacement to system volume ratio, it provides for nearly a twelve-fold compression of the transducing fluid making it ideal for applications such as reverse micelle sample preparations or other gas related research.



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Pressure range	Xtreme-60 0-60,000 psi (4138 bar) maximum (US, Europe) 0-36,260 psi (2500 bar) maximum (Canada) Xtreme-10 0-10,000 psi (690 bar) maximum
Wetted parts	316 and 17-4PH stainless steel. Parker Poly Pak® is standard
Operating medium	Water, Oils, Alcohols, Hydrocarbons, Inert Gases
Displacement volume	Xtreme-60: 6.7 mL displacement (12.5 mL total system volume) Xtreme-10: 34.7 mL displacement (37.95 ml total system volume)
Pressure connection	Xtreme-60 Inlet / Outlet ports are HiP HF4 (9/16"-18 UNF) for use with 1/4" tubing Xtreme-10 Inlet / Outlet ports are HiP AF1 (1/4"-28 UNF) for use with 1/16" tubing