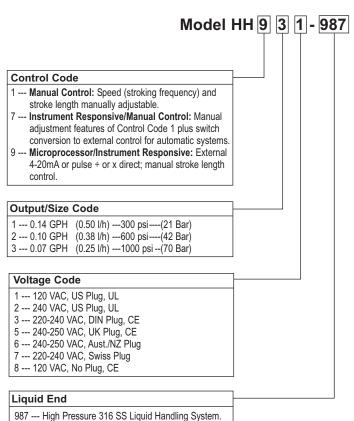


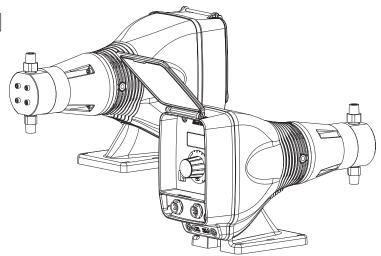
# **Electronic Metering Pumps**

# **Configuration Data**



Series HH9 electronic metering pumps combine the accuracy of microprocessor control with 1000 psi injection pressure capability. These high-pressure, programmable pumps are ideal for applications requiring precise injection of concentrated boiler feed chemicals (Max. Output to 3.2 GPD, Max. Pressure to 1000 psi).

\*\*Minimum System Pressure 200 psi.

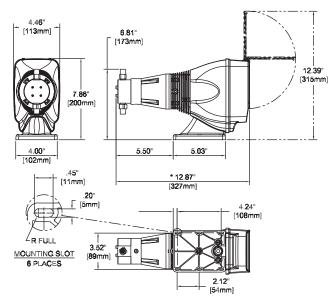






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# Dimensions





201 Ivyland Road Ivyland, PA 18974 USA TEL: (215) 293-0401 FAX: (800) 327-7563 http://www.lmipumps.com

ISO 9001 Certified 1984.A 04/04

# **Keypad Adjustable Pressure Capacity**

An LMI exclusive, the Series HH9 features adjustable pressure control that allows for pressure calibration to your system.

#### **Unique V-Seal Design**

LMI's spring-loaded V-Seals prevent leakage and reduce pump maintenance. This design feature eliminates the need for packing nuts normally used on packed plunger pumps.

# **High-Pressure Module**

LMI's precision-engineered, high-pressure module includes a 316 S.S. liquid handling assembly.

The cartridge valves are easily serviced and feature closely-guided Stainless Steel balls and seats for accurate, repeatable output.

#### **Manual Mode Select**

The manual stroke rate of the HH9 is adjustable from 1 stroke per hour to 100 strokes per minute, allowing for extreme output flexibility. The HH1 and HH7 can be adjusted for one stroke per minute to 100 strokes per minute.

# **Corrosion Resistant Nema 4X (IP65)**

Corrosion resistant, sealed enclosure of glass-fiber reinforced polypropylene protects the pump from harsh chemicals and tough environments.

The electronic controls and circuitry are fully and permanently encapsulated from protection from moisture and corrosive atmospheres.

#### **External Mode Select**

Three external control modes are available to choose from: HH9 Only

#### **Pulse Divide**

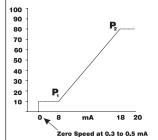
(÷) incoming pulses (reed switch, transistor, opto-coupler, or hall effect sensor) From 1 to 999

#### **Pulse Multiply (Batch Accumulate)**

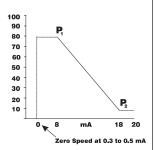
(x) incoming pulses (reed switch, transistor, opto-coupler, or hall effect sensor) From 1 to 999

#### 4 - 20 mA (Slope Adjustable)

Programmable 4 - 20 mA or 0 - 20 mA response direct or inverse



**Rugged Construction** 



The Series HH9 features a thick-wall, glass-fiber reinforced thermoplastic housing. The integrated plastic and metal structural and magnetic components result in a vibration and shock resistant design not found in competitive products.

Encapsulated ribbon-cable ends provide additional connection strength and corrosion resistance not found in most programmable, electronic-metering pumps.

# **Specifations**

	Maximum	Maximum	Volume/Stroke	Liquid	
	Output	Injection	(ml)	Handling	
Series	Capacity	Pressure	(Min - Max)	Assembly	Connections
HHX1X-987	0.14 GPH (0.50 l/h)	300 psi (21 Bar)	.030080	316 S.S.	1/4" NPT M
HHX2X-987	0.10 GPH (0.38 l/h)	600 psi (42 Bar)	.015 – .060	316 S.S.	1/4" NPT M
HHX3X-987	0.07 GPH (0.25 l/h)	1000 psi (70 Bar)	.010 – .040	316 S.S.	1/4" NPT M