

**NEW &  
IMPROVED**



**All Items  
Ship from  
Stock**



**Negative Pressure Leak Stoppers and Temperature Controllers • Since 1976**

**Made in USA**



# THE NEW LOGIC SEAL® NEGATIVE PRESSURE LEAK STOPPER

## Why go negative?

- Made in America
- Limited LIFETIME warranty
- “True” negative pressure through our high quality progressive cavity pumps
- All non-corrosive copper and bronze plumbing
- Premium Quality Watts™ Regulators
- All units in stock
- Customizable to many applications
- We service what we sell

Since 1976 our products have been used by thousands of injection molders throughout the world that need immediate solutions to critical manufacturing problems caused by leaking o-rings and/or cracked molds. Our Logic Seal works with your process circulating system, such as your temperature controllers or a central plant chiller, to convert positive pressure from these systems to negative pressure within the cooling channels of the mold. Negative pressure allows air to enter the cooling channel which prevents water or coolant from leaking out. This air is then vented from the unit through our patented air separator. This technique is **GUARANTEED** to stop leaks.

We use the highest quality components available and our design has stood the test of time, over 35 years! Our customers have reduced their cycle times and eliminated leaks. Reducing the cycle time can occur, often dramatically, because our system produces a greater pressure drop across the cooling circuit, which increases the flow. This translates to faster cycle times, lower costs and higher profits.

See our video demo at [www.logicseal.com/lldemo](http://www.logicseal.com/lldemo).



*Logic Seal Model LS-400*

# THE NEW VAC-U-TEMP™ CONTROLLERS

Logic Seal's® line of Negative Pressure Temperature Controllers are **GUARANTEED** to stop leaks and are excellent choices when higher temperatures are needed and a closed loop system is appropriate. The Vac-U-Temp™ proprietary design with our vacuum venturi creates the **best air separation in the industry** and does not "foam up" as will often happen with lesser designs. Our superior design does not rob pump pressure that can reduce the usable GPM flow of the unit.

See our video demo at [www.logicseal.com/vtdemo](http://www.logicseal.com/vtdemo).

## SPECIFICATIONS

VAC-U-TEMP		VT 1800	VT 2600	VT26-100	VT 3000
DIMENSIONS (on casters)	Height	33"	33"	33"	33"
	Width	24"	24"	36"	24"
	Depth	14"	14"	14"	14"
WATER + ETHYLENE GLYCOL MIX				OIL UNIT	
MAXIMUM GPM		22/37	50	100	50
MAXIMUM TEMP		200°F	260°F	260°F	300°F
STAINLESS STEEL TANK (gallons)		3.6	3.6	6	3.6
LOW WATT DENSITY HEATER CAPACITY		6KW or 12KW		9 KW	6KW or 12KW
3.2 sq. ft. HEAT EXCHANGER STANDARD ON MOST UNITS					

## AVAILABLE OPTIONS

- Mold Purge
- Safety Vacuum Signal
- Process Flow Meter
- Low Process Flow Alarm
- Over / Under Temperature Alarm
- Cooling Flow Safety Switch (VT26-100 & VT3000 only)
- 5.6 sq. ft. Heat Exchanger

- Made in America
- Limited LIFETIME warranty
- All units in stock
- Customizable to any application
- We service what we sell
- Stainless steel tank and ultra high quality heat exchanger
- All non-corrosive copper and bronze plumbing
- Premium Quality Watts™ Regulators
- Fail safe switch for low reservoir protection
- Microprocessor control with dual LED digital displays of actual and set point temperature accurate to .3% of process fluid temperature



*Logic Seal Model VT 2600*

## SPECIFICATIONS

LOGIC SEAL		100	300	350	400	500
WEIGHT	Pounds	120	120	210	200	250
DIMENSIONS	Height	33"	33"	34"	33"	34"
	Width	24"	24"	36"	24"	36"
	Depth	14"	14"	14"	14"	14"
FLOW	GPM	4.7	14.6	14.8	24	52
MAXIMUM RETURN PRESSURE	PSI	100	40	150	40	40
FULL LOAD AMPERAGE	230 volt	2.5	3.5	6.5	4.5	8.5
60 HZ	460 volt	1.3	1.8	3.3	2.3	4.3
CONNECTION SIZE	Inches	¾	¾	¾	1 + 1¼	1 + 1¼



*Logic Seal Model LS-500*

## STANDARD FEATURES

### FRAME & CABINET CONSTRUCTION

- Rugged steel cabinet
- Powder Coated
- Portable, on casters
- Easy access service panel
- Small footprint, compact

### COOLANT CIRCUIT

- Bronze pressure reducing valve
- Water inlet strainer
- All copper and bronze piping
- Automatic air purge
- Standard NPT process fittings

### SYSTEM SAFETY DEVICES

- Low supply pressure shut-off with indicator
- High return pressure shut-off with indicator

### PRESSURE GAUGES

- To mold pressure
- From mold pressure
- Supply pressure
- Return pressure

### ELECTRICAL

- Phrase monitor relay
- UL/CE rated motor starters
- Master on/off switch
- Fused control transformer
- Safety Disconnect Switch
- Available —  
230/460/3/60  
110/220/1/60
- Motor Overload Protection

### WARRANTY

- Limited Lifetime



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