

**Features**

- Easy to remove full syringes
- Analog DC heating circuitry means low noise for electrophysiology
- Completely shielded electronics plus external power supply
- Spill-proof design
- Range: ambient to 50°C liquid temperature
- Mounts to standard 1/2" rod

**Available with gravity and pressurized syringes**



Off-gassing with pressurized perfusion

Note: the BubbleStop is NOT sufficient to warm solutions for delivery into a perfusion chamber without an inline heater like our ThermoClamp. The BubbleStop only helps stop bubbles.

# Stop bubbles by pre-warming solutions.



**BubbleStop® Syringe Heater**

Bubbles in perfusion systems are caused by solution temperature changes. As solutions warm, they cannot hold as much gas, so they off-gas. This forms bubbles in perfusion tubing. It is especially true in inline heaters where the temperature rises dramatically. The best cure for bubbles is to pre-warm your solutions. AutoMate Scientific makes the BubbleStop® Syringe Heater with integrated temperature sensor and feedback. Set the temperature on the BubbleStop a few degrees higher than room temperature or your inline heater, and the warmed solutions will off-gas in the syringe reservoirs to the maximum gas concentration for that temperature. Even if they cool and re-heat again inside the perfusion tubing, they will not off-gas.

**BubbleStop® Ordering Information**

Part No.	Product Description
10-4-60-G	BubbleStop4 60ml Syringe Heater - Gravity
10-8-60-G	BubbleStop8 60ml Syringe Heater - Gravity
10-4-60-P	BubbleStop4 60ml Syringe Heater - Pressurized
10-8-60-P	BubbleStop8 60ml Syringe Heater - Pressurized
10-4-35-G	BubbleStop4 35ml Syringe Heater - Gravity
10-8-35-G	BubbleStop8 35ml Syringe Heater - Gravity
10-4-35-P	BubbleStop4 35ml Syringe Heater - Pressurized
10-8-35-P	BubbleStop8 35ml Syringe Heater - Pressurized
	Including 60ml or 35ml syringes, stopcocks and tubing. Pressurized version includes regulator, filter and gauge.

U.S./Canada prices shown. International prices add 15%. Email or visit web store for latest prices.

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