



Sutter Instrument Company
Technical Support

RAMP TEST

To choose an appropriate heat setting, you must first determine the amount of heat required to melt your glass by running a RAMP TEST. The heat value established by the ramp test will depend on the type of heating filament installed in your puller and the type of glass you are using. The ramp test value for a box filament will traditionally be 1.5 to 2 times the value for a trough filament.

A Ramp Test should be run when:

- Using the Puller for the First Time
- Whenever you Change the Filament
- Whenever you Change Glass
- Before Writing or Editing a Program

How to Run a Ramp Test

- Enter any program number <0-99> for a P-97 or <0-9> for a P-87
- Press clear <CLR> to enter the control functions
- Press <0> to not clear all parameter values
- Press <1> to run a RAMP TEST
- Install glass and press <PULL>

To interrupt the RAMP TEST or reset the display after a ramp test, press <RESET>

When a ramp test is executed, the following events take place:

1. The puller increments the HEAT
2. As the HEAT output begins to soften the glass, the puller bars will move apart
3. The heat is then turned off when a certain factory-set Ramp Test velocity is reached
4. The Ramp Test value will be shown on the display

Recommendations:

PULLER	FILAMENT	HEAT VALUE	MAXIMUM HEAT
P-97	Trough	Ramp + 15	Ramp + 25
P-97	BOX	Ramp + 5	Ramp + 30
P-87	Trough	Ramp	Ramp + 15
P-87	BOX	Ramp + 5	Ramp + 30

CAUTION: If your heat value is more than 30 to 50 units above the ramp test value (See table above), you will risk burning out or vaporizing the filament!

Please contact Sutter Instrument Company Technical Support for additional assistance.

Sutter Instrument Company

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