

# Protein Crystal Growth Chambers

Protein crystals have been grown in our chambers for over 25 years. The uniform temperature and low vibration environment these models provide allows for optimum crystalline development.

Ten lipped stainless steel trays per door offer 38 or 75 ft<sup>2</sup> of shelf space, with horizontal air flow across each tray. Microprocessor temperature control combined with horizontal air flow maintains uniformity to  $\pm 1^{\circ}\text{C}$  of setpoint. A hi/low temperature alarm monitors chamber temperature and electronic failsafes shut it down to preserve temperature in the rare event of a temperature excursion. These models sit on vibration absorbing pads to isolate them from floor vibrations, and metal to metal contact inside the chamber is also dampened. Options such as a chart recorder, RS-232 or re-transmits for computer monitoring and recording, solid doors, access ports, lockable Plexiglas<sup>®</sup> control cover, etc. are available.



- ~ Microprocessor controlled 5-40<sup>°</sup>C temperature range,  $\pm 0.5^{\circ}\text{C}$  at the sensor
- ~ Audible/visual temperature alarm with relay and electronic failsafe setpoints
- ~ Stainless steel interior with gray powder coat steel exterior
- ~ Ten stainless steel lipped trays per door, gliding type
- ~ Double pane hinged glass door with door lock
- ~ Vibration dampening at all metal to metal contact points
- ~ Padded feet (one inch high) to isolate chamber from floor vibrations
- ~ Electric condensate evaporator
- ~ Pre-charged condensing unit for mounting on wall next to chamber to isolate it from vibration
- ~ One year parts and labor warranty
- ~ Four additional years on compressor (part only)



Model PCT33SD



Model PCT70SD

| Model   | Style   | Temp. Range and Uniformity                  | Capacity (ft <sup>3</sup> /liters) | Total Shelf Area (ft <sup>2</sup> /m <sup>2</sup> ) | Dimensions |          |        | Electrical (domestic) | HP  | Shipping Weight (lbs/kg) |
|---------|---|---|------------------------------------|---|------------|----------|--------|-----------------------|-----|--------------------------|
|         |   |   |                                    |   | Exterior*  | Interior |        |                       |     |                          |
| PCT33SD |  | 5-40 <sup>°</sup> C $\pm 1^{\circ}\text{C}$ | 31/880                             | 37.5/3.5  | 33/84      | W        | 29/74  | 115/60/1<br>5-20P     | 1/3 | 700/320                  |
|         |   |   |                                    |   | 29/74      | D        | 25/64  |                       |     |                          |
|         |   |   |                                    |   | 78.5/199   | H        | 69/175 |                       |     |                          |
| PCT70SD |  | 5-40 <sup>°</sup> C $\pm 1^{\circ}\text{C}$ | 72/2040                            | 75/7  | 70/178     | W        | 66/167 | 115/60/1<br>L5-30P    | 1/2 | 1000/455                 |
|         |   |   |                                    |   | 31/79      | D        | 26/66  |                       |     |                          |
|         |   |   |                                    |   | 78.5/199   | H        | 69/175 |                       |     |                          |

\*Padded feet add an additional 1" to the exterior height after installation.



**BETATEK** INC.

*Instrumentation Superbly Supported*

*L'instrumentation à son meilleur*

654 Petrolia Road,  
Toronto, ON M3J 2W3  
Tel: (416) 736-6166  
Toll-Free: (800) 387 3570  
Fax: (416) 736-9346