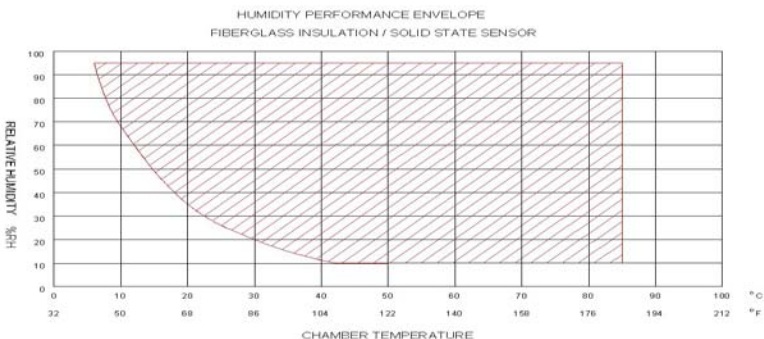


## G – Series: Temperature *and* Temperature/Humidity Chambers



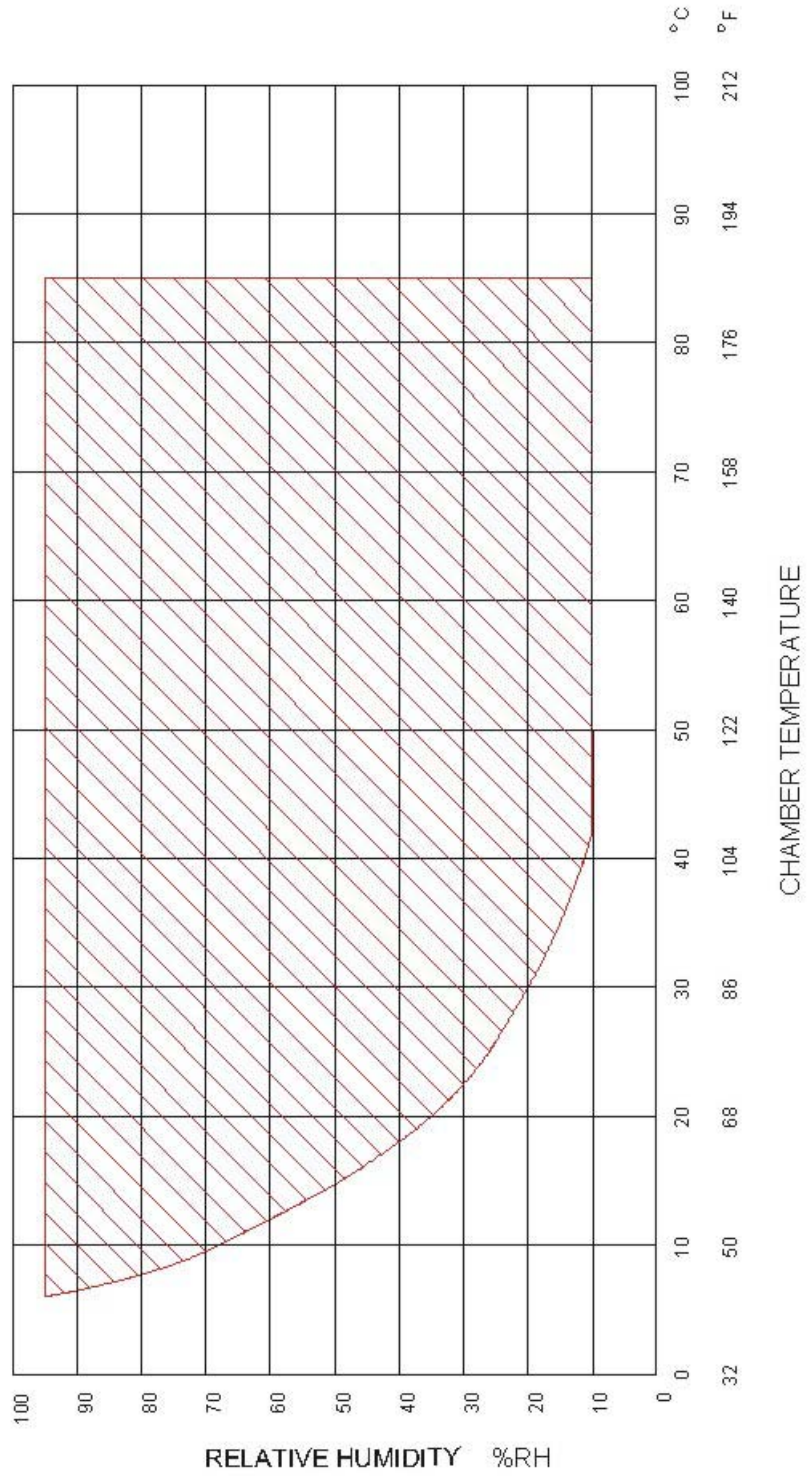
### Specifications:

### G (B/D) - 8

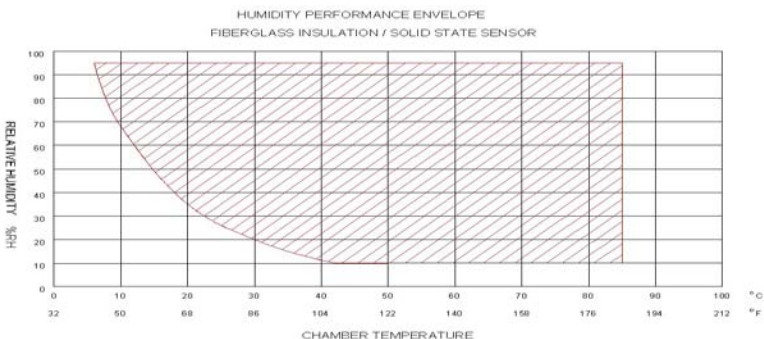
|                                                   |                               |                                                                                                                        |                |               |
|---------------------------------------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------|---------------|
| Chamber Model --- *denotes, ( B = temp, D = hum ) |                               |                                                                                                                        | G*-8-105       | G*-8-105-105  |
| Chamber Volume (cu ft) / (liters)                 |                               |                                                                                                                        | 8 / 226        |               |
| Interior: W x D x H                               | (in)                          |                                                                                                                        | 24 x 24 x 24   |               |
|                                                   | (cm)                          |                                                                                                                        | 61 x 61 x 61   |               |
| Exterior: W x D x H                               | (in)                          |                                                                                                                        | 32 x 50 x 77   |               |
|                                                   | (cm)                          |                                                                                                                        | 82 x 127 x 196 |               |
| Shipping Weight:                                  | (lb) / (kg)                   |                                                                                                                        | 650 / 300      | 750 / 340     |
| Compressor(s):                                    | Hi stage (hp) / Lo stage (hp) |                                                                                                                        | 1.5 / N.A.     | 1.5 / 1.5     |
| Chamber Heaters:                                  | (kw)                          |                                                                                                                        | 2              | 2             |
| Humidity Heaters:                                 | (GD models only) (kw)         |                                                                                                                        | 2              | 2             |
| Power Requirements:                               | Voltage / Phase / Frequency   |                                                                                                                        | 230/1 or 3/60  | 230/1 or 3/60 |
|                                                   | Load in (kva)                 |                                                                                                                        | 8.5            | 10            |
| <b>Performance:</b>                               |                               |                                                                                                                        |                |               |
| Temperature Range:                                | °F                            |                                                                                                                        | -22 to 350     | -90 to 350    |
|                                                   | °C                            |                                                                                                                        | -30 to 177     | -68 to 177    |
| <b>Pull-Down</b> (chamber empty)                  |                               |                                                                                                                        | In Minutes     |               |
| 75°F / 23°C                                       | to                            | 0°F / -17°C                                                                                                            | 15             | 10            |
|                                                   | to                            | -40°F / -40°C                                                                                                          | N.A.           | 15            |
|                                                   | to                            | -65°F / -54°C                                                                                                          | N.A.           | 25            |
|                                                   | to                            | -85°F / -65°C                                                                                                          | N.A.           | 30            |
| 350°F / 177°C                                     | to                            | 75°F / 23°C                                                                                                            |                | 25            |
| <b>Heat-Up</b> (chamber empty)                    |                               |                                                                                                                        | In Minutes     |               |
| 75°F / 23°C                                       | to                            | 240°F / 116°C                                                                                                          | 20             | 20            |
|                                                   | to                            | 350°F / 177°C                                                                                                          | 40             | 40            |
| -90°F / -68°C                                     | to                            | 75°F / 23°C                                                                                                            | N.A.           | 25            |
| Live load capacity (in watts)                     |                               |                                                                                                                        | In Minutes     |               |
| (Steady State)                                    |                               | 0°F / -17°C                                                                                                            | 500            | 750           |
|                                                   |                               | -40°F / -40°C                                                                                                          | N.A.           | 600           |
|                                                   |                               | -65°F / -54°C                                                                                                          | N.A.           | 450           |
| Humidity range (GD) Models:                       |                               | 10% RH to 95% RH in the range bounded by a 185°F / 85°C maximum chamber temperature and a 40°F / 4°C minimum dewpoint. |                |               |



HUMIDITY PERFORMANCE ENVELOPE  
FIBERGLASS INSULATION / SOLID STATE SENSOR



## G – Series: Temperature and Temperature/Humidity Chambers



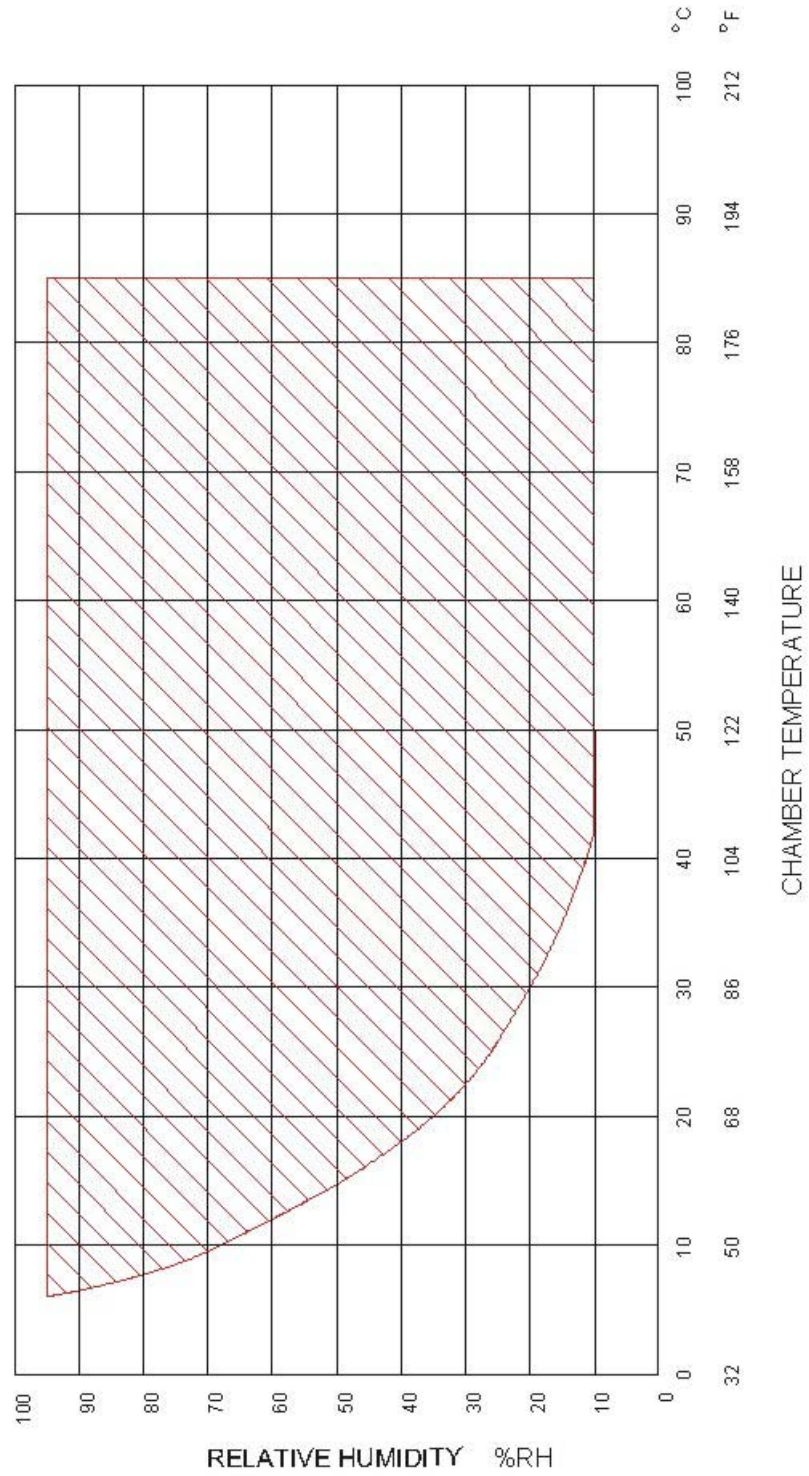
**G (B/D) - 16**

### Specifications:

|                                                                                                                        |                               |                                                                                                                        |                                           |                                             |
|------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------------|
| Chamber Model --- *denotes, ( <span style="color: red;">B = temp</span> , <span style="color: green;">D = hum</span> ) |                               |                                                                                                                        | <span style="color: blue;">G*-16-3</span> | <span style="color: blue;">G*-16-3-3</span> |
| Chamber Volume (cu ft) / (liters)                                                                                      |                               |                                                                                                                        | 16 / 439                                  |                                             |
| Interior: W x D x H                                                                                                    | (in)                          |                                                                                                                        | 30 x 30 x 30                              |                                             |
|                                                                                                                        | (cm)                          |                                                                                                                        | 76 x 76 x 76                              |                                             |
| Exterior: W x D x H                                                                                                    | (in)                          |                                                                                                                        | 40 x 60 x 85                              |                                             |
|                                                                                                                        | (cm)                          |                                                                                                                        | 102 x 153 x 216                           |                                             |
| Shipping Weight:                                                                                                       | (lb) / (kg)                   |                                                                                                                        | 1,000 / 450                               | 1,200 / 550                                 |
| Compressor(s):                                                                                                         | Hi stage (hp) / lo stage (hp) |                                                                                                                        | 3 / N.A.                                  | 3 / 3                                       |
| Chamber Heaters:                                                                                                       | (kw)                          |                                                                                                                        | 6                                         | 6                                           |
| Humidity Heaters:                                                                                                      | (GD models only) (kw)         |                                                                                                                        | 2                                         | 2                                           |
| Power Requirements:                                                                                                    | Voltage / Phase / Frequency   |                                                                                                                        | 230 / 3 / 60                              | 230 / 3 / 60                                |
|                                                                                                                        | Load in (kva)                 |                                                                                                                        | 15                                        | 19                                          |
| <b>Performance:</b>                                                                                                    |                               |                                                                                                                        |                                           |                                             |
| Temperature Range:                                                                                                     | °F                            |                                                                                                                        | -22 to 350                                | -90 to 350                                  |
|                                                                                                                        | °C                            |                                                                                                                        | -30 to 177                                | -68 to 177                                  |
| <b>Pull-Down</b> (chamber empty)                                                                                       |                               |                                                                                                                        | In Minutes                                |                                             |
| 75°F / 23°C                                                                                                            | to                            | 0°F / -17°C                                                                                                            | 35                                        | 8                                           |
|                                                                                                                        | to                            | -40°F / -40°C                                                                                                          | N.A.                                      | 12                                          |
|                                                                                                                        | to                            | -65°F / -54°C                                                                                                          | N.A.                                      | 15                                          |
|                                                                                                                        | to                            | -85°F / -65°C                                                                                                          | N.A.                                      | 20                                          |
| 350°F / 177°C                                                                                                          | to                            | 75°F / 23°C                                                                                                            |                                           | 20                                          |
| <b>Heat-Up</b> (chamber empty)                                                                                         |                               |                                                                                                                        | In Minutes                                |                                             |
| 75°F / 23°C                                                                                                            | to                            | 240°F / 116°C                                                                                                          | 18                                        | 18                                          |
|                                                                                                                        | to                            | 350°F / 177°C                                                                                                          | 25                                        | 25                                          |
| -90°F / -68°C                                                                                                          | to                            | 75°F / 23°C                                                                                                            | N.A.                                      | 12                                          |
| Live load capacity (in watts)                                                                                          |                               |                                                                                                                        | In Minutes                                |                                             |
| (steady state)                                                                                                         |                               | 0°F / -17°C                                                                                                            | 1,000                                     | 2,000                                       |
|                                                                                                                        |                               | -40°F / -40°C                                                                                                          | N.A.                                      | 1,500                                       |
|                                                                                                                        |                               | -65°F / -54°C                                                                                                          | N.A.                                      | 1,000                                       |
| Humidity range ( <span style="color: green;">GD</span> ) Models:                                                       |                               | 10% RH to 95% RH in the range bounded by a 185°F / 85°C maximum chamber temperature and a 40°F / 4°C minimum dewpoint. |                                           |                                             |

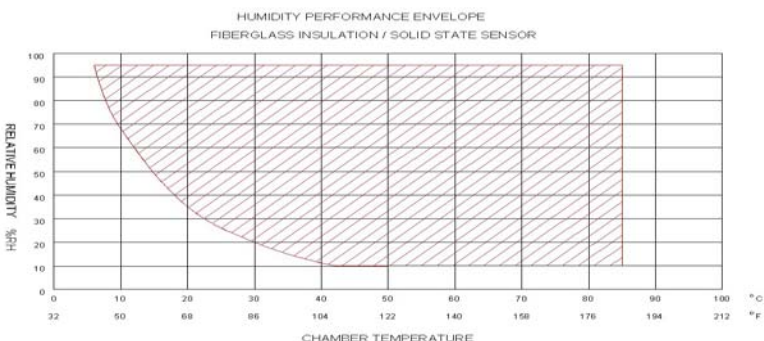


HUMIDITY PERFORMANCE ENVELOPE  
FIBERGLASS INSULATION / SOLID STATE SENSOR





## G – Series: Temperature and Temperature/Humidity Chambers



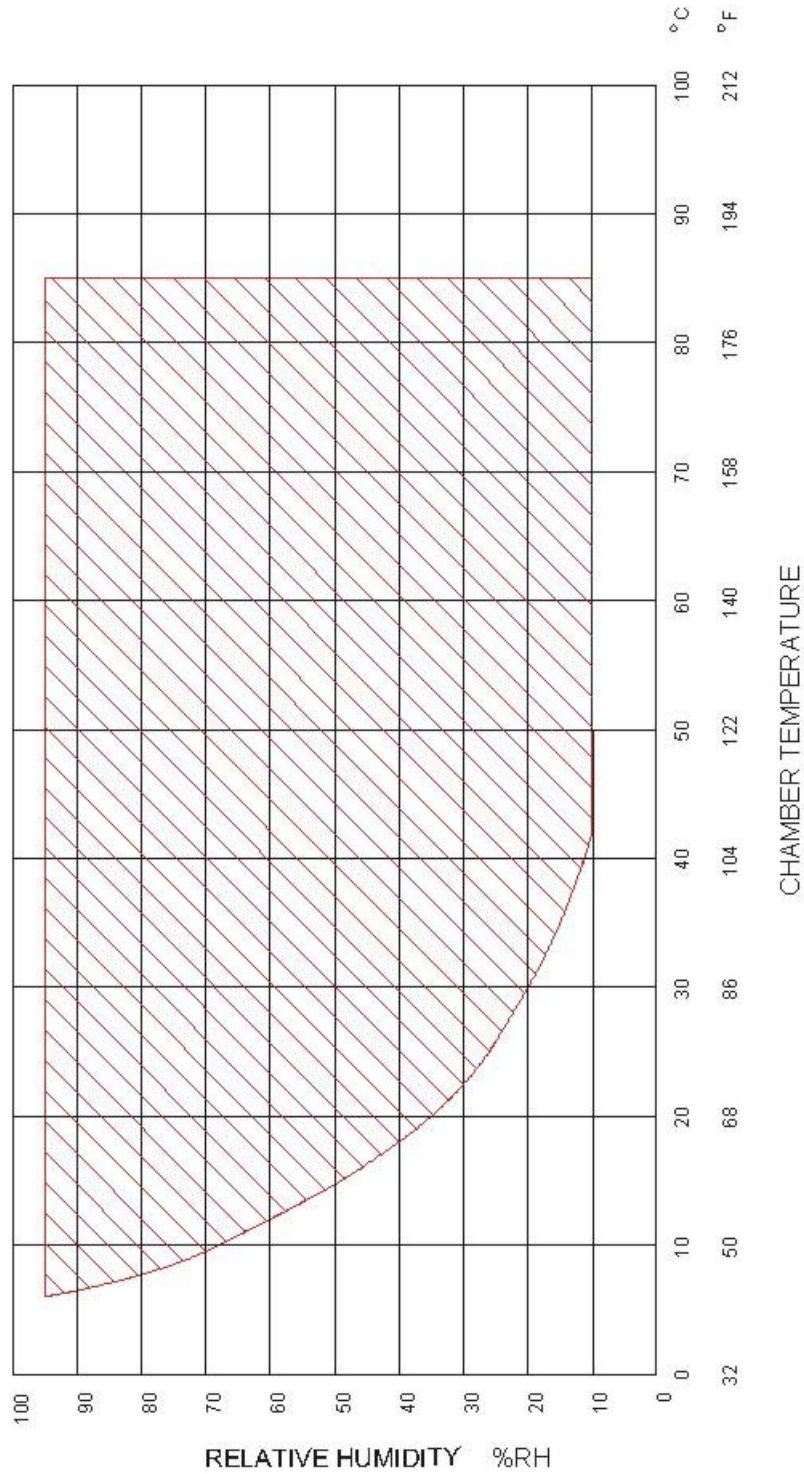
### Specifications:

### G (B/D) - 32

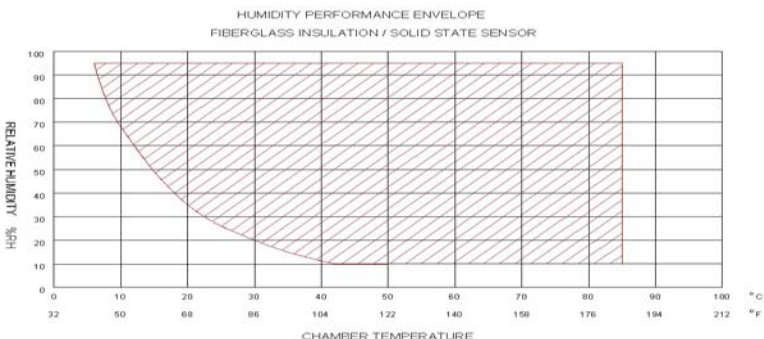
|                                                                  |                               |                                                                                                                        |                 |              |
|------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------|--------------|
| Chamber Model --- *denotes, ( <b>B = temp</b> , <b>D = hum</b> ) |                               |                                                                                                                        | G*-32-3         | G*-32-3-3    |
| Chamber Volume (cu ft) / (liters)                                |                               |                                                                                                                        | 32 / 898        |              |
| Interior: W x D x H                                              | (in)                          |                                                                                                                        | 38 x 38 x 38    |              |
|                                                                  | (cm)                          |                                                                                                                        | 96 x 96 x 96    |              |
| Exterior: W x D x H                                              | (in)                          |                                                                                                                        | 48 x 68 x 93    |              |
|                                                                  | (cm)                          |                                                                                                                        | 122 x 173 x 237 |              |
| Shipping Weight:                                                 | (lb) / (kg)                   |                                                                                                                        | 1,300 / 600     | 1,500 / 680  |
| Compressor(s):                                                   | Hi stage (hp) / lo stage (hp) |                                                                                                                        | 3 / N.A.        | 3 / 3        |
| Chamber Heaters:                                                 | (kw)                          |                                                                                                                        | 6               | 6            |
| Humidity Heaters:                                                | (GD models only) (kw)         |                                                                                                                        | 2               | 2            |
| Power Requirements:                                              | Voltage / Phase / Frequency   |                                                                                                                        | 230 / 3/ 60     | 230 / 3 / 60 |
|                                                                  | Load <i>in</i> (kva)          |                                                                                                                        | 15              | 19           |
| <b>Performance:</b>                                              |                               |                                                                                                                        |                 |              |
| Temperature Range:                                               | °F                            |                                                                                                                        | -22 to 350      | -90 to 350   |
|                                                                  | °C                            |                                                                                                                        | -30 to 177      | -68 to 177   |
| <b>Pull-Down</b> (chamber empty)                                 |                               |                                                                                                                        | In Minutes      |              |
| 75°F / 23°C                                                      | to                            | 0°F / -17°C                                                                                                            | 35              | 10           |
|                                                                  | to                            | -40°F / -40°C                                                                                                          | N.A.            | 15           |
|                                                                  | to                            | -65°F / -54°C                                                                                                          | N.A.            | 20           |
|                                                                  | to                            | -85°F / -65°C                                                                                                          | N.A.            | 25           |
| 350°F / 177°C                                                    | to                            | 75°F / 23°C                                                                                                            |                 | 25           |
| <b>Heat-Up</b> (chamber empty)                                   |                               |                                                                                                                        | In Minutes      |              |
| 75°F / 23°C                                                      | to                            | 240°F / 116°C                                                                                                          | 20              | 20           |
|                                                                  | to                            | 350°F / 177°C                                                                                                          | 30              | 30           |
| -90°F / -68°C                                                    | to                            | 75°F / 23°C                                                                                                            | N.A.            | 15           |
| Live load capacity (in watts)                                    |                               |                                                                                                                        | In Minutes      |              |
| (steady state)                                                   |                               | 0°F / -17°C                                                                                                            | 1,000           | 2,000        |
|                                                                  |                               | -40°F / -40°C                                                                                                          | N.A.            | 1,500        |
|                                                                  |                               | -65°F / -54°C                                                                                                          | N.A.            | 1,000        |
| Humidity range ( <b>GD</b> ) Models:                             |                               | 10% RH to 95% RH in the range bounded by a 185°F / 85°C maximum chamber temperature and a 40°F / 4°C minimum dewpoint. |                 |              |



HUMIDITY PERFORMANCE ENVELOPE  
FIBERGLASS INSULATION / SOLID STATE SENSOR



## G – Series: Temperature *and* Temperature/Humidity Chambers



### Specifications:

### G (B/D) - 64

|                                                                  |                               |                                                                                                                        |                 |               |
|------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------|---------------|
| Chamber Model --- *denotes, ( <b>B = temp</b> , <b>D = hum</b> ) |                               |                                                                                                                        | G*-64-5         | G*-64-5-5     |
| Chamber Volume (cu ft) / (liters)                                |                               |                                                                                                                        | 64 / 1,796      |               |
| Interior: W x D x H                                              | (in)                          |                                                                                                                        | 48 x 48 x 48    |               |
|                                                                  | (cm)                          |                                                                                                                        | 122 x 122 x 122 |               |
| Exterior: W x D x H                                              | (in)                          |                                                                                                                        | 56 x 78 x 101   |               |
|                                                                  | (cm)                          |                                                                                                                        | 142 x 198 x 257 |               |
| Shipping Weight:                                                 | (lb) / (kg)                   |                                                                                                                        | 2,200 / 1,000   | 2,500 / 1,136 |
| Compressor(s):                                                   | Hi stage (hp) / lo stage (hp) |                                                                                                                        | 5 / N.A.        | 5 / 5         |
| Chamber Heaters:                                                 | (kw)                          |                                                                                                                        | 6               | 6             |
| Humidity Heaters:                                                | (GD models only) (kw)         |                                                                                                                        | 2               | 2             |
| Power Requirements:                                              | Voltage / Phase / Frequency   |                                                                                                                        | 460 / 3 / 60    | 460 / 3 / 60  |
|                                                                  | Load in (kva)                 |                                                                                                                        | 20              | 30            |
| <b>Performance:</b>                                              |                               |                                                                                                                        |                 |               |
| Temperature Range:                                               | °F                            |                                                                                                                        | -22 to 350      | -90 to 350    |
|                                                                  | °C                            |                                                                                                                        | -30 to 177      | -68 to 177    |
| <b>Pull-Down</b> (chamber empty)                                 |                               |                                                                                                                        | In Minutes      |               |
| 75°F / 23°C                                                      | to                            | 0°F / -17°C                                                                                                            | 35              | 15            |
|                                                                  | to                            | -40°F / -40°C                                                                                                          | N.A.            | 20            |
|                                                                  | to                            | -65°F / -54°C                                                                                                          | N.A.            | 30            |
|                                                                  | to                            | -85°F / -65°C                                                                                                          | N.A.            | 45            |
| 350°F / 177°C                                                    | to                            | 75°F / 23°C                                                                                                            | 35              | 35            |
| <b>Heat-Up</b> (chamber empty)                                   |                               |                                                                                                                        | In Minutes      |               |
| 75°F / 23°C                                                      | to                            | 240°F / 116°C                                                                                                          | 25              | 25            |
|                                                                  | to                            | 350°F / 177°C                                                                                                          | 40              | 40            |
| -90°F / -68°C                                                    | to                            | 75°F / 23°C                                                                                                            | N.A.            | N.A.          |
| Live load capacity (in watts)                                    |                               |                                                                                                                        | In Minutes      |               |
| (steady state)                                                   |                               | 0°F / -17°C                                                                                                            | 3,000           | 4,000         |
|                                                                  |                               | -40°F / -40°C                                                                                                          | NA              | 2,500         |
|                                                                  |                               | -65°F / -54°C                                                                                                          | NA              | 1,500         |
| Humidity range ( <b>GD</b> ) Models:                             |                               | 10% RH to 95% RH in the range bounded by a 185°F / 85°C maximum chamber temperature and a 40°F / 4°C minimum dewpoint. |                 |               |



HUMIDITY PERFORMANCE ENVELOPE  
FIBERGLASS INSULATION / SOLID STATE SENSOR

