

The MetalPan D-Fuser product is a fabric faced terminal diffusion device that includes a metal backpan with snap frame for traditional installation method. Given the airflow patterns generated by the unique combination of permeable Rx200 fabric and face shape, data provided includes measurements for both the horizontal and vertical throw for both end and side orientation.

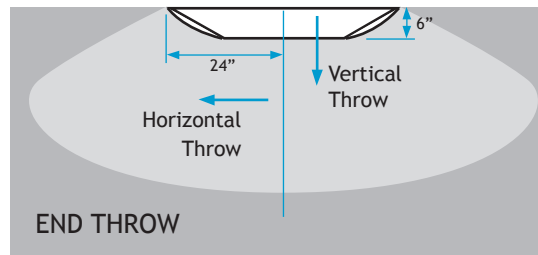


### 24x48 MetalPan: Surround-Flow, Rx200

| Panel Size |        | Inlet Dia (in) | Airflow (CFM) | Neck Vel. (FPM) | Pt (in w.g.) | Ps (in w.g.) | NC |
|------------|--------|----------------|---------------|-----------------|--------------|--------------|----|
| W (in)     | L (in) |                |               |                 |              |              |    |
| 24         | 48     | 12             | 500           | 637             | .14          | .12          | -- |
|            |        |                | 625           | 796             | .19          | .16          | -- |
|            |        |                | 750           | 955             | .26          | .21          | 18 |
|            |        |                | 875           | 1114            | .34          | .27          | 21 |
|            |        |                | 1000          | 1273            | .43          | .33          | 26 |



Throw distance (ft) is measured from the center of the device. Throw distance may appear extended due to length of device. Deduct 1/2 total length or width to calculate throw from end of actual device or fabric.



| Isothermal Airflow<br>CFM | END Horizontal Throw |     |     | END Vertical Throw |     |     | FPM            |
|---------------------------|----------------------|-----|-----|--------------------|-----|-----|----------------|
|                           | 100                  | 75  | 50  | 100                | 75  | 50  |                |
| 500                       | *                    | *   |     |                    |     |     | Distance in Ft |
| 625                       | 0.5                  | 1.0 | 3.0 | 0.5                | 0.6 | 1.3 |                |
| 750                       | 1.0                  | 1.3 | 3.0 | 0.6                | 1.0 | 2.8 |                |
| 875                       | 1.3                  | 2.8 | 4.2 | 0.7                | 2.0 | 4.0 |                |
| 1000                      | 1.5                  | 3.5 | 5.5 | 0.8                | 2.8 | 5.3 |                |

#### Performance Notes:

- Units were tested in accordance with ASHRAE Standard 70-1991 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
- Independant testing was performed to establish performance data. Test data was prepared by an independant ETL certified laboratory.
- Test data reflects performance of DuctSox DT200 fabric.
- Noise Criteria (NC) values based on a 10 dB room absorption. Actual values may vary depending on site conditions ["--" = <15 NC].
- Asterisk (\*) indicated that the designated airflow velocity was not observed.

The MetalPan D-Fuser product is a fabric faced terminal diffusion device that includes a metal backpan with snap frame for traditional installation method. Given the airflow patterns generated by the unique combination of micro-perforated DT200 fabric and face shape, data provided includes measurements for both the horizontal and vertical throw for both end and side orientation.

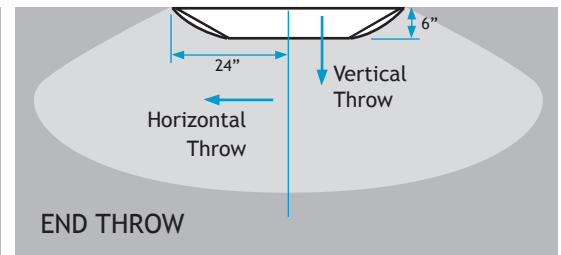
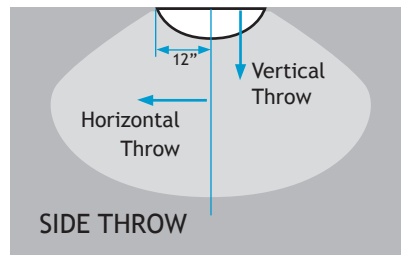


## 24x48 MetalPan: Surround-Flow, DT200

| Panel Size |        | Inlet Dia (in) | Airflow (CFM) | Neck Vel. (FPM) | Pt (in w.g.) | Ps (in w.g.) | NC |
|------------|--------|----------------|---------------|-----------------|--------------|--------------|----|
| W (in)     | L (in) |                |               |                 |              |              |    |
| 24         | 48     | 12             | 500           | 637             | 0.092        | 0.067        | 15 |
|            |        |                | 625           | 796             | 0.141        | 0.102        | 16 |
|            |        |                | 750           | 955             | 0.202        | 0.145        | 21 |
|            |        |                | 875           | 1114            | 0.271        | 0.194        | 26 |
|            |        |                | 1000          | 1273            | 0.351        | 0.250        | 30 |



Throw distance (ft) is measured from the center of the device. Throw distance may appear extended due to length of device. Deduct 1/2 total length or width to calculate throw from end of actual device or fabric.



| Isothermal Airflow<br>CFM | SIDE Horizontal Throw |     |     | SIDE Vertical Throw |     |     | END Horizontal Throw |     |     | END Vertical Throw |     |     | FPM             |
|---------------------------|-----------------------|-----|-----|---------------------|-----|-----|----------------------|-----|-----|--------------------|-----|-----|-----------------|
|                           | 100                   | 75  | 50  | 100                 | 75  | 50  | 100                  | 75  | 50  | 100                | 75  | 50  |                 |
| 500                       | *                     | *   | *   | *                   | *   | 1.1 | 2.0                  | 2.3 | 2.7 | *                  | *   | 1.0 | Distance in Ft. |
| 625                       | *                     | *   | *   | *                   | *   | 1.1 | 2.2                  | 2.4 | 2.8 | *                  | *   | 1.1 |                 |
| 750                       | *                     | *   | 1.8 | *                   | 1.1 | 1.3 | 2.5                  | 2.8 | 4.3 | *                  | 1.0 | 1.2 |                 |
| 875                       | *                     | 1.0 | 2.0 | *                   | 1.1 | 1.3 | 2.6                  | 3.0 | 5.5 | *                  | 1.0 | 1.2 |                 |
| 1000                      | *                     | 1.8 | 2.1 | 1.0                 | 1.1 | 1.3 | 2.6                  | 3.0 | 5.5 | *                  | 1.0 | 1.2 |                 |

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