Critical environments

D-Fuser: All-Fabric Surround-Flow Rx200

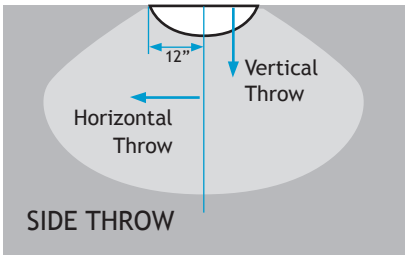
24" X 24" Model Performance Data

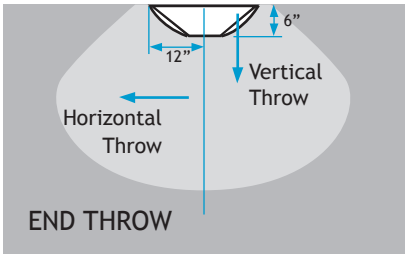
The All-Fabric D-Fuser product is a fabric faced terminal diffusion device with snap frame for traditional installation method. Given the airflow patterns generated by the unique combination of permeable Rx200 fabric and face shape, data provided includes measurements for both the horizontal and vertical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

24x24 All-Fabric: 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	24	12	175	223	.057	.054	- -
			250	318	.098	.092	- -
			325	414	.147	.136	- -
			400	509	.202	.186	- -

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	SIDE Horizontal Throw			SIDE Vertical Throw			END Horizontal Throw			END Vertical Throw			
CFM	100	75	50	100	75	50	100	75	50	100	75	50	FPM
175	*	*	*	*	*	*	*	*	*	*	*	*	Distance in Ft.
250	*	*	*	*	*	*	*	*	1.6	*	*	0.7	
325	*	*	*	*	*	*	*	1.8	3.5	*	0.7	1.3	
400	*	*	*	*	*	*	*	0.4	1.8	*	1.0	1.3	

Performance Notes:

1. Units were tested in accordance with ASHRAE Standard 70-1991 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Independant testing was performed to establish performance data. Test data was prepared by an independant ETL certified laboratory.
3. Test data reflects performance of DuctSox Rx200 fabric.
4. Noise Criteria (NC) values based on a 10 dB room absorption. Actual values may vary depending on site conditions ["- -" = <20 NC].
5. Due to the uniform dispersion method, in some instances the scheduled terminal velocities were not attainable within 6" of the fabric face.
6. Asterisk (*) indicated that the designated airflow velocity was not observed.

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Critical environments

D-Fuser: All-Fabric Surround-Flow DT200

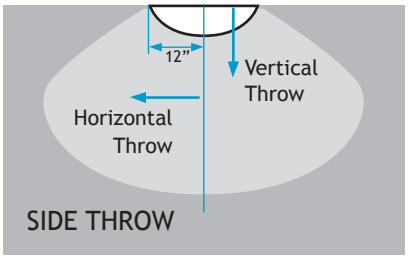
24" X 24" Model Performance Data

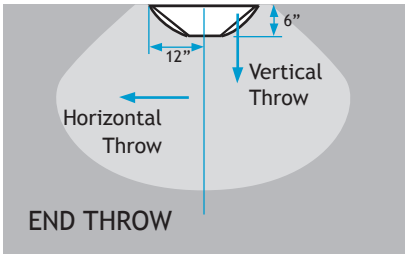
The All-Fabric D-Fuser product is a fabric faced terminal diffusion device with snap frame for traditional installation method. Given the airflow patterns generated by the unique combination of micro-perforated DT200 fabric and face shape, data provided includes measurements for both the horizontal and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

24x24 All-Fabric: 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	24	12	175	223	.036	.033	- -
			250	318	.069	.063	- -
			325	414	.112	.101	- -
			400	509	.164	.148	- -

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	SIDE Horizontal Throw			SIDE Vertical Throw			END Horizontal Throw			END Vertical Throw			
CFM	100	75	50	100	75	50	100	75	50	100	75	50	FPM
175	*	*	*	*	*	*	*	*	*	*	*	*	Distance in Ft.
250	*	*	0.6	*	*	1.7	*	*	0.8	*	*	1.1	
325	0.6	0.8	0.9	1.1	1.6	2.4	*	1.1	2.5	*	1.3	T > 3.5	
400	0.8	0.8	0.9	1.4	1.7	2.5	1.1	1.5	2.5	1.5	2.5	T > 3.5	

Performance Notes:

1. Units were tested in accordance with ASHRAE Standard 70-1991 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Independant testing was performed to establish performance data. Test data was prepared by an independant ETL certified laboratory.
3. Test data reflects performance of DuctSox DT200 fabric.
4. Noise Criteria (NC) values based on a 10 dB room absorption. Actual values may vary depending on site conditions ["- -" = <20 NC].
5. Asterisk (*) indicated that the designated airflow velocity was not observed.

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