

# PRODUCT DATA

## D-Series MetalPan Fabric Diffuser Rx165 Snap Frame 24" X 48"

### BENEFITS

- Provides low velocity dispersion pattern
- Provides both vertical and horizontal dispersion pattern
- Active antimicrobial treatment
- Snap frame attachment for quick and easy install
- 6" deep metal back pan with rigid diffusion panel
- Diffuser face is designed for room side removal
- Allows for diffuser face to be cleaned in the laundry



### FEATURES

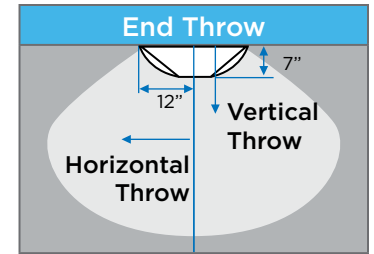
- Industry standard configuration
- Simple, rail and clip installation
- Interchangeable fabric face
- Metal pan contains 60% recycled content
- Lightweight (10 lbs lighter than metal for 24" x 48")
- Shallow 7" face depth and tapered ends
- Capable of airflow volumes up to 1,000 CFM (472 L/s)
- Support tabs (cables not included)

### OPTIONS

- 24" x 48" (custom size available)
- Surround Flow (standard) or Select Flow, venting
- Inlet collar diameter
- Insulated backpan (R4 or R6)
- Backpan construction - steel (standard), aluminum, or stainless steel
- White or custom color available



Panel Size		Inlet Diameter
Width (in)	Length (in)	(in)
24	48	12



Throw distance (ft) is measured from the center of the device.

Fabric Type: Rx165																
Isothermal Airflow	Neck Velocity	Pt Total Pressure	Ps Static Pressure	NC Noise Criteria	END						END					
					Horizontal Throw fpm (m/s)						Vertical Throw fpm (m/s)					
CFM (L/s)	fpm (m/s)	in w.g. (Pa)	in w.g. (Pa)		100 (0.51)	75 (0.38)	50 (0.25)	100 (0.51)	75 (0.38)	50 (0.25)	100 (0.51)	75 (0.38)	50 (0.25)	100 (0.51)	75 (0.38)	50 (0.25)
500 (236)	637 (3.2)	0.14 (34.8)	0.12 (29.9)	< 20	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
625 (295)	796 (4.0)	0.19 (47.3)	0.16 (39.8)	< 20	0.5 (0.2)	1.0 (0.3)	3.0 (1.0)	0.5 (0.2)	0.6 (0.2)	1.3 (0.4)	0.5 (0.2)	0.6 (0.2)	1.3 (0.4)	2.8 (0.9)	1.3 (0.4)	0.4 (0.1)
750 (354)	955 (4.9)	0.26 (64.7)	0.21 (52.3)	< 20	1.0 (0.3)	1.3 (0.4)	3.0 (1.0)	0.6 (0.2)	1.0 (0.3)	2.8 (0.9)	0.6 (0.2)	1.0 (0.3)	2.8 (0.9)	4.0 (1.3)	2.8 (0.9)	1.3 (0.4)
875 (413)	1,114 (5.7)	0.34 (84.6)	0.27 (67.2)	21	1.3 (0.4)	2.8 (0.9)	4.2 (1.4)	0.7 (0.2)	2.0 (0.7)	4.0 (1.3)	0.7 (0.2)	2.0 (0.7)	4.0 (1.3)	5.3 (1.8)	4.0 (1.3)	1.3 (0.4)
1,000 (472)	1,273 (6.5)	0.43 (107.0)	0.33 (82.1)	26	1.5 (0.5)	3.5 (1.2)	5.5 (1.8)	0.8 (0.3)	2.8 (0.9)	5.3 (1.8)	0.8 (0.3)	2.8 (0.9)	5.3 (1.8)	5.3 (1.8)	5.3 (1.8)	1.3 (0.4)

\*Table section above represents throw distance in ft (m)

## SPECIFICATIONS

### CODES:

- Classified by Underwriters Laboratories in accordance with the requirements of:
  - UL 723

### AIRFLOW RANGE:

- 500 - 1,000 CFM (236 - 472 L/s)

### FABRIC WEAVE:

- Fire Retardant Polyester
- Filament, Non-Linting

### TREATMENT:

- Active Antimicrobial

## 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. Independent testing was performed to establish performance data. Test data was prepared by an independent ETL certified laboratory.
3. Test data reflects performance of DuctSox Rx165 fabric.
4. Noise Criteria (NC) values based on a 10 dB room absorption. Actual values may vary depending on site conditions.
5. Asterisk (-) indicated that the designated airflow velocity was not observed.

DuctSox Corporation  
4343 Chavenelle Road  
Dubuque, IA 52002

Phone: 563-588-5300  
Toll-free: 866-382-8769  
Fax: 563-588-5330

ductsox.com

**DUCTSOX**<sup>®</sup>  
Redefining Air Dispersion