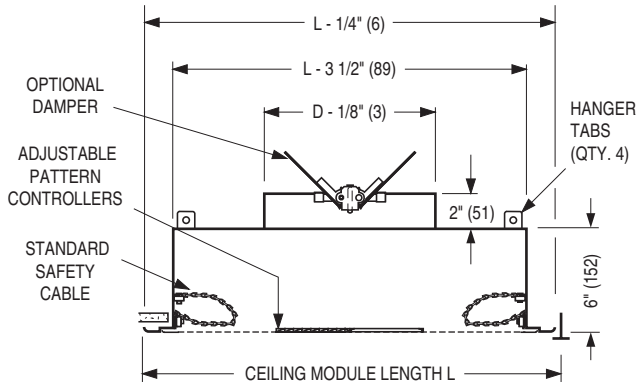
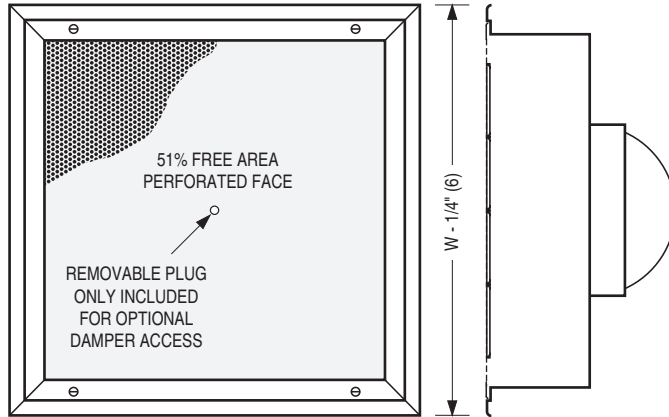




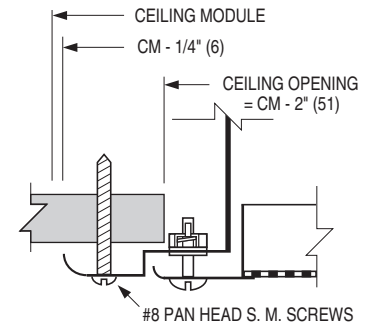
# HIGH CAPACITY FLUSH FACE DIFFUSER

## ALUMINUM • RADIAL PATTERN

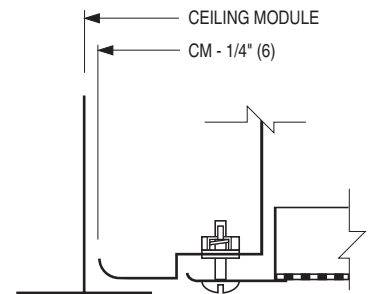
### MODELS: 92HCD



#### TYPE S Surface Mount Detail



#### TYPE L\* Lay-in T-Bar Detail



\*Compatible with all T-Bars up to 2" (51) wide.

#### Ceiling Module Sizes L x W & Nominal Round Duct Sizes D

L x W	Imperial Modules (inches)		24 x 24	48 x 24
	Metric Modules (mm)		600 x 600	1200 x 600
Duct Size D	(inches)	8, 10	10, 12	
	(mm)	203, 254	254, 305	

#### DESCRIPTION:

The Model 92HCD Series has been designed to produce a radial air pattern utilizing a non-intrusive flush perforated face design. Adjustable factory set pattern controllers on the diffuser face produce a one-way 90 degree or two-way 180 degree radial pattern. Suitable for medical facilities, kitchens, biotechnology research, animal labs, food processing and other applications where high airflows with short throws are required.

The design features deflector blades behind a 51% free area perforated face, which maximizes capacity while allowing low initial face velocities. The radial air pattern flushes the critical area underneath the diffuser with large volumes of clean conditioned air, minimizing entrainment and hence mixing with contaminated air.

#### CONSTRUCTION:

1. Extruded aluminum frame and aluminum perforated face with 3/16" (5) dia. holes on 1/4" (6) staggered centers (51% free area). The face plate is removable for cleaning and is secured by 1/4 turn fasteners.
2. Steel backpan and pattern controllers.
3. Standard safety cables prevent accidental dropping of removable face.
4. Standard finish is AW Appliance White.

#### OPTIONS:

##### AIR PATTERN

- 1W 1 way half radial
- 2W 2 way full radial
- BD Butterfly damper, coated steel, AW Appliance White finish.
- EX05 0.5" (13) External Foil-Back Fiberglass Insulation.
- EX15 1.5" (38) External Foil-Back Fiberglass Insulation, R-4.2.
- AB Aluminum Backpan.
- Other \_\_\_\_\_.

#### ACCESSORIES:

- DFA Aluminum Drywall/Plaster Frame. Provides simple easy installation of Type L in hard ceilings. (See submittal dwg. ACC-DFA). Ordered separately.

SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

Dimensions are in inches (mm).

DATE

B SERIES

SUPERSEDES

DRAWING NO.

1 - 10 - 23

9200

NEW

92HCD