

Tate Access Floors, Inc.
SmartAire™ VAV Airflow Damper

SECTION 09 69 00
ACCESS FLOORING

Part 2 – Products

Section 2.3 Panel Components

F. In-floor VAV airflow damper device: High volume variable air flow damper for use in raised floor roll formed stringer system. 20 gauge steel construction with an open area of approximately 63%, and when installed with DirectAire panel will have the following air distribution capabilities: 1767 CFM at 0.1” of H₂O (static pressure).

The VAV airflow damper shall have the following features.

1. Fail Open Operation
 - a. Damper must return to the fully open position from any position in less than 15 seconds after power is removed.
2. 0-20kW supportable IT load per panel/damper combination
3. No regularly schedule maintenance required
4. 4 temperature probes to be mounted at rack face
5. Control system to evaluate all 4 temperature probes and control from peak temperature value
6. User selectable set point from 50-100F
7. PID multiloop control system
8. Damper position shall be infinitely variable between 0-100%
9. Viewable temperature control unit through airflow panel
10. Unit shall draw less than 20VA during peak operation