

NEW!
Increased Airflow



40% more open area provides better airflow and increased air quality. All panels are interchangeable and available in a full range of floor coverings.

Floating Floors® Perforated Panels

System Highlights

- 40% more airflow for both chamfered and standard perforated panels, due to larger hole diameter
- 23% open area with standard holes
- 28% open area with chamfered holes
- Available on all Floating Floors® perforated panels, FF1250 and FF3000
- Available in 24" and 60cm panels
- Finishes include vinyl, high pressure laminate, as well as powder coatings and metallic finishes
- Full range of steel and aluminum support systems
- Completely interchangeable with all Floating Floors® panels and understructure

Benefits

PERFORMANCE

- Strength of perforated panels is the same as solid panels
- Airflow performance of bare and laminated panels is equal
- Laminated and coated panels can be combined in the same floor with no effect on airflow performance

FLEXIBLE

- A variety of perforated patterns are available to meet cleanroom airflow requirements
- Full range of floor coverings available to meet chemical resistance, static and grounding requirements, and airborne molecular contamination requirements

CHAMFERED HOLES

- Smoother airflow, reduces boot wear due to the radius on hole edges
- Less abrasive walking surface
- 20% increase in airflow without increasing hole diameter

AIR EXACT DAMPER

- Air Exact Damper can be used with all panels to allow airflow volume control
- Allows uniform balancing of air throughout the room, around work stations and manufacturing tools
- Can be adjusted from top and locked in place to prevent tampering
- Requires a standard tool for adjustments

SMOOTH ROLLING

- Panels provide smooth rolling surface
- Low rolling vibration with increased air performance

COST EFFECTIVE

- Different perforated panel grades (FF1250 and FF3000) offer the same airflow performance and can be mixed to provide a cost effective solution to manage cleanroom loading conditions and airflow requirements.



Perforations available for all Floating Floors® panels in 24" and 60cm sizes, with a full range of steel and aluminum support systems

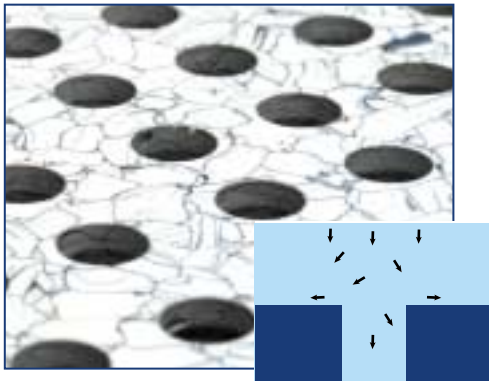
Specifications

13/32 STD HOLES

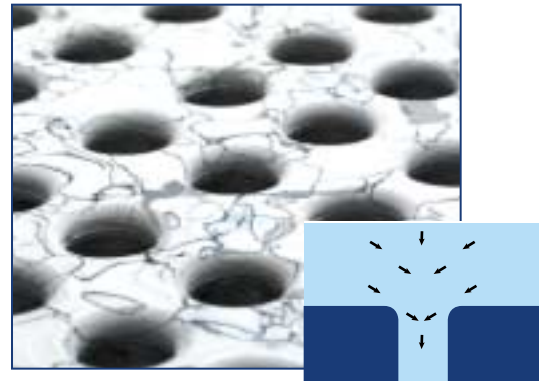
Static Pressure " of H ₂ O	TOTAL AIR VOLUME (cfm)								
	No Damper	Air Exact Damper Percent Open							
	20%	30%	40%	50%	60%	70%	80%	100%	
.02	521	241	294	342	385	414	431	470	490
.04	737	341	416	484	545	585	610	664	693
.06	903	417	509	592	668	717	747	814	848
.08	1042	482	588	684	771	828	862	939	980
.10	1165	539	657	764	862	925	964	1050	1095

13/32 CHAMFERED HOLES

Static Pressure " of H ₂ O	TOTAL AIR VOLUME (cfm)								
	No Damper	Air Exact Damper Percent Open							
	20%	30%	40%	50%	60%	70%	80%	100%	
.02	625	244	303	353	399	441	470	492	532
.04	884	346	428	500	564	624	665	695	752
.06	1083	423	525	612	690	764	815	852	921
.08	1251	489	606	707	797	882	941	983	1063
.10	1398	547	677	790	891	986	1052	1099	1188



Standard holes have a 90° cut edge that the air flows through. This creates a condition where some air particles become turbulent, which, in turn, reduces airflow performance.



Chamfered holes create smoother airflow and reduce turbulence at the floor surface due to the radius on the edge of each hole. An additional benefit of chamfered holes is the reduction of particles released from foot wear in the clean room.

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