

Sash Management System

Control fume hood sash position for user safety & laboratory ventilation efficiency.

AUTO SASH

by **HEMCO**

An Automatic system for maximum user protection, energy savings, and ease of fume hood use, **Cat.No # 51501**.

UniFlow LE Air By-Pass Constant Air Volume and, Variable Air Volume models designed for Energy Savings and User Protection.

SASH MANAGEMENT 1.2.3...

1. Recommended that hoods be used with sash 1/2 open with face velocity of 80-100 FPM. Sash stop can be located to suit. With sash at 1/2 open the supply air CFM & static pressure would be as noted for each size hood.

SASH MANAGEMENT & DESIGN

Size Hood	36"	48"	60"	72"	96"
1/2 Open	241	385	474	592	800
Full Open	438	773	938	1162	1613
Static Pressure	.04	.06	.10	.13	.08

2. Sash in full open position should be for Setup of Apparatus & Maintenance Service only. If design opening is at 1/2 open at 100 FPM, Face velocity at full open would be approximately 50 FPM. The recommended face velocity for efficiency & safety should be 80-100 FPM. Lower face velocity may compromise user safety.
3. When hood is not in use please keep sash in closed position.



AUTO SASH

Fume Hood Sash Management

- When the sash is raised to a fully open position, unless the sash lock is set, the sash will slowly return down to half open position.
- The sash lock is designed to hold the sash fully open for equipment set up.
- With sash at half open operating position, if there is a splash of chemicals, they will hit the sash rather than the user's face. The sash truly becomes a clear safety protection panel.
- With a half open operating position, the exhaust can be down sized to meet the airflow requirements for a smaller sash opening. This reduces the amount of conditioned lab air being exhausted by 50%.
- Can be used in conjunction with VAV systems. The auto sash feature can help ensure proper sash management to effectively maximize the savings and return on investment of an expensive VAV system.

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