

Compounding Pharmacies

New Requirements for Compounding Pharmacies: USP<800>

Many pharmacies, both within medical centers and commercial pharmacies, are involved in compounding medications. The new standard by United States Pharmacopeia, USP<800>, requires compounding pharmacies across the United States to upgrade their ventilation systems. USP<800> protects common areas of the building by containing and exhausting the chemicals used in compounding medications. Using Greenheck pre-engineered products simplifies system design and reduces equipment lead times.



Key points to ventilation per USP<800>:

- Have a separate room dedicated solely to measuring and compounding of the medications
- Use bio-safety cabinet or similar hood
- Maintain negative pressure in the room relative to adjacent rooms
- High room air changes per hour of 12 or 30 ACPH, depending on the design and operation
- Exhaust all air outside of building unless very specific filtration requirements are met






The Greenheck Solution

The exhaust fumes from compounding pharmacies need to be handled appropriately to avoid re-entrainment and roof contamination issues. Greenheck's FumeJet® and Vektor® pre-engineered exhaust systems are the ideal solution because they meet the requirements of ANSI Z9.5, which calls for 3,000 ft/min. (15.2 m/s) nozzle velocities and NFPA 45, requiring a 10 ft. (3 m) overall discharge height.



Pre-Engineered Exhaust Packages

| |  FJC / FJI |  Vektor-H |  Vektor-CH |
|---|---|---|---|
| Initial Cost | \$ | \$\$ | \$\$\$ |
| Roof Curb Mounted | Optional | Optional | - |
| 10 ft. Stack (NFPA 45) | Optional | Standard | Standard |
| 3,000 ft/min. Outlet Velocity (ANSI Z9.5) | Optional | Standard | Standard |
| Redundancy Exhaust | - | Optional | Optional |
| Spark Resistant | B or C | B | B or C |
| High Wind | 115 mph | 125 mph | 125 mph |
| OSHPD Approved (Seismic Certification) | FJC only - Optional | - | Optional |

For more information regarding the Greenheck Fume and Lab Exhaust Systems, visit www.greenheck.com or consult your local Greenheck sales representative.

