



# Pharmacy HVAC: Preparing for Regulation



## How New USP Policies Will Affect Compounding Rooms

The USP Compounding Expert Committee is developing new guidelines for compounding facilities. USP 795 (nonsterile compounding), USP 797 (sterile compounding) and USP 800 (hazardous compounding and storage) regulate pharmacies, health care institutions and other facilities in which pharmaceutical compounds are prepared, stored, or sold. These guidelines will also extend to veterinary, dental, chiropractic, and naturopathic medicine locations.

USP creates strict guidelines for compounding because errors can have fatal consequences. For instance, chemotherapy rooms require negative pressure to keep chemicals from leaking out and injuring healthy visitors. Standard compounding rooms need positive air pressure to keep contaminants from flowing into the room. For many facilities, that means updating their airflow systems to address pressure, humidity, particle, and temperature requirements.

The proposed changes will be published in July 2018, and will become official in 2019. They are expected to require many upgrades to compounding rooms and intravenous-compounding stations. Many owners are moving ahead of the curve by planning and preparing for those additions today, and TDIndustries is ready to guide owners through this transition.

### The TDIndustries Difference: How We Stand Out

- Ductwork, Sheet Metal in Critical Environments
- Dedicated Process Solutions Team
- Ultra High-Purity (UHP) Process Installation Expertise
- 8,000 sf Clean Manufacturing Facility
- Code compliance; Joint Commission standards
- Clean room and critical environment construction; architectural, electrical, HVAC, and plumbing



## TD Guiding Central Texas Pharmacy Through Design, Construction

With TD's help, Texas Oncology-Austin Central has become proactive about the switch. TD is renovating a 500 sf space to match USP 797 ISO 7 (sterile compounding) compliance. TD has designed pass-throughs, wall relocations, and ceiling modifications for the chemotherapy area, IV preparation region, and an anteroom to IV preparation.

TD has reviewed applicable codes, standards, existing drawings, and other documentation to determine the best course of action. From there, TD has created a report to solve HVAC, humidity, and indoor air quality deficiencies.

On this design/build project, TD is serving as the prime contractor and offering turnkey services. TD has a strong relationship with an architectural and engineering firm, which can provide any changes needed for the new code requirements through its Central Texas branch.

### Peace of Mind

Contact TD during budget development for dependable, one-stop, turnkey solutions — from design through installation.

## Process Solutions Team

As this federal code becomes official, more facilities will seek this service. TD is ready to help owners prepare for this transition today.

TD has a dedicated Process Solutions team which produces stainless steel, plastic, copper, and carbon steel assemblies in conjunction with its 8,000 sf clean manufacturing facility. TD also has expertise in sheet metal duct and specialty exhaust systems construction and installation, as well as cleanroom architecture and electrical capabilities. Using efficient manufacturing processes, the team can solve complicated time-to-market issues and has extensive experience working in secure environments. Along with safety, your company's success and proprietary security are our priorities.

TDIndustries has experience in critical industries, including semiconductor, pharmaceutical, university research, and biotech. It also has an array of innovative process manufacturing, construction, and facilities solutions, as well as engineering and controls units.

TDIndustries offers one-stop turnkey solutions for USP code compliance. Contact TD during budget development and put our comprehensive resources to work. You can trust TD to walk you through every step from design to procurement and installation.