

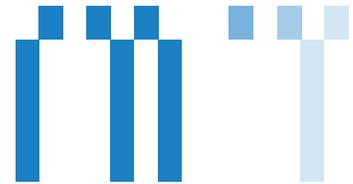


® Knowledge
Beyond
Measure.



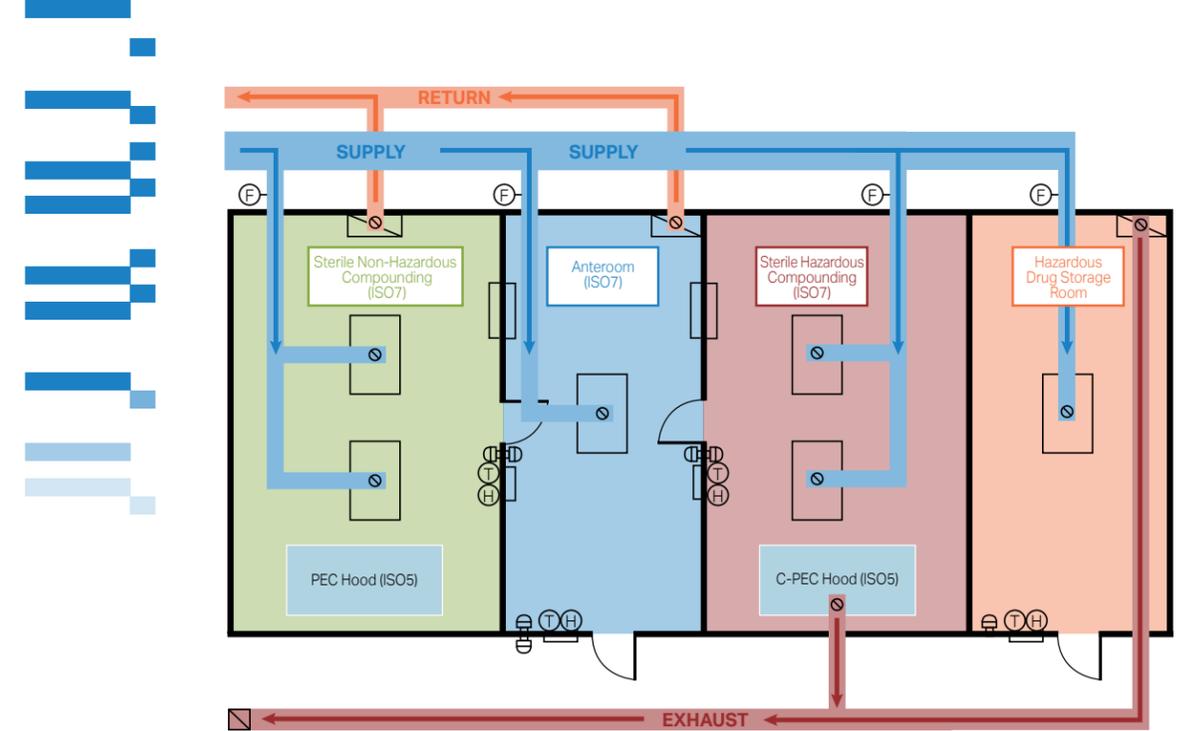
503(a) & 503(b) Compounding Pharmacy – TSI® Has You Covered.

Safety | Measurement | Compliance



TSI®: Helping in Leading the Industry in 503(a) & 503(b) Compounding Pharmacy

- Low maintenance via accurate and stable room pressure differential
- Reduced training by way of intuitive displays
- Cuts startup and operating costs with a low pressure design



We've Got You Covered

Requirement	Sterile Non-Hazardous Compounding Room	Anteroom	Sterile Hazardous Compounding Room	Hazardous Drug (HD) Storage Room
<p>Monitoring 503(a) Pharmacies Measure and alarm:</p> <ul style="list-style-type: none"> ▪ Room pressure ▪ Temperature ▪ Humidity 	<p>Sequence of Operations Constant volume supply and exhaust maintain room pressure differential of $\geq +0.02$ in W.C. with respect to Anteroom. Room monitor measures and alarms on room pressure differential, supply flow (ACH), temperature and relative humidity.</p> <hr/> <p>TSI® Bill of Materials (1) PresSura™ RPM20 Room Pressure Monitor (1) Model 801924 Temperature and Humidity Sensor</p>	<p>Sequence of Operations Constant volume supply and return maintain room pressure differential of $\geq +0.02$ in W.C. with respect to corridor. Room monitor measures and alarms on room pressure differential, supply flow (ACH), temperature and relative humidity.</p> <hr/> <p>TSI Bill of Materials (1) PresSura™ RPM20 Room Pressure Monitor (1) Model 801924 Temperature and Humidity Sensor</p>	<p>Sequence of Operations Constant volume supply and return maintain room pressure differential of -0.01 to -0.03 in W.C. with respect to Anteroom. Room monitor measures and alarms on room pressure differential, supply flow (ACH), temperature and relative humidity.</p> <hr/> <p>TSI Bill of Materials (1) PresSura RPM20 Room Pressure Monitor (1) Model 801924 Temperature and Humidity Sensor</p>	<p>Sequence of Operations Constant volume supply and exhaust maintain room pressure differential of -0.01 to -0.03 to any adjoining room. Room monitor measures and alarms on room pressure differential and supply flow (ACH).</p> <hr/> <p>TSI Bill of Materials (1) PresSura RPM20 Room Pressure Monitor</p>
<p>Controlling 503(a) Pharmacies Control:</p> <ul style="list-style-type: none"> ▪ Ventilation (ACH) / supply flow ▪ Room pressure differential by adjusting exhaust flow ▪ Room temperature <p>Measure and alarm:</p> <ul style="list-style-type: none"> ▪ Room pressure ▪ Ventilation (ACH) ▪ Temperature ▪ Humidity 	<p>Sequence of Operations Room controller modulates supply to maintain constant flow, exhaust to maintain room pressure differential of $+0.02$ in W.C. and heat to maintain temperature. Room controller measures and alarms on room pressure differential, supply flow (ACH), temperature and relative humidity.</p> <hr/> <p>TSI® Bill of Materials (1) PresSura™ RPC30 Room Pressure Controller (1) Model 801925 Temperature and Humidity Sensor (1) TF-Series Thermal Flowstation (2) Model 800380 High-Speed Electric Actuator</p>	<p>Sequence of Operations Room controller modulates supply to maintain constant flow, exhaust to maintain room pressure differential of $+0.02$ in W.C. and heat to maintain temperature. Room controller measures and alarms on room pressure differential, supply flow (ACH), temperature and relative humidity.</p> <hr/> <p>TSI Bill of Materials (1) PresSura RPC30 Room Pressure Controller (1) Model 801925 Temperature and Humidity Sensor (1) TF-Series Thermal Flowstation (2) Model 800380 High-Speed Electric Actuator</p>	<p>Sequence of Operations Room controller modulates supply to maintain constant flow, exhaust to maintain room pressure differential of 0.03 in W.C. and heat to maintain temperature. Room controller measures and alarms on room pressure differential, supply flow (ACH), temperature and relative humidity.</p> <hr/> <p>TSI Bill of Materials (1) PresSura RPC30 Room Pressure Controller (1) Model 801925 Temperature and Humidity Sensor (1) TF-Series Thermal Flowstation (2) Model 800380 High-Speed Electric Actuator</p>	<p>Sequence of Operations Room controller modulates supply to maintain constant flow of 12 ACH, room pressure of -0.01 to -0.03 WC. Room controller measures and alarms on room pressure differential and supply flow (ACH).</p> <hr/> <p>TSI Bill of Materials (1) PresSura RPC30 Room Pressure Controller (1) TF-Series Thermal Flowstation (2) Model 800380 High-Speed Electric Actuator</p>

Monitoring 503(b) Outsourcing Facilities?
We Can Do This Too!

TSI® instruments comply with FDA GMPs for monitoring systems.

503(a) & 503(b) Compounding Pharmacy Trusted TSI® Measurement Devices

Compounding pharmacies must be certified to meet particle concentration limits every 6 months. But do you know what's happening 3 minutes, 3 days, or 3 months after your measurement? Simplify this process to ensure compliance using TSI real-time particle counting instruments—used in FDA-validated pharmaceutical cleanrooms as well as other ultra-pure cleanrooms.

AeroTrak™ Handheld Particle Counters 9306

For periodic monitoring of particle levels in anterooms, hazardous compounding, and sterile compounding rooms.



PresSura™ Room Pressure Monitors and Controller

For continuous monitoring of room pressure differential employing through-the-wall sensor technology.



AeroTrak™+ Portable Particle Counters A100 Series

For all industries for cleanroom certification, monitoring and specialized tasks including gas testing and filter scanning.



VelociCalc™ Meters 9650

For HVAC system pressure measurement, and can connect to pitot probes for performing duct traverses.



Alnor™ Micromanometers EBT730

For taking accurate, direct air volume measurements at diffusers and grilles.



Find out more
tsi.com/compounding-pharmacies



Knowledge Beyond Measure.

TSI Incorporated - Visit our website www.tsi.com for more information.

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