

TSC 2nd GENERATION STERILE CONDITIONER



MODEL 2024 PAS SYSTEM



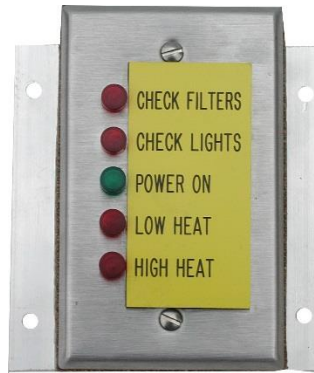
Model 2005 PAS System



Pre-filter & Blower



HEPA Filter



Indicator Light



Stand

Features & Benefits

- *All stainless steel construction completely sealed from environmental concerns.
- *Six times the pre-filter surface area of the standard 10x10 electrostatic filter. Takes more of the load off the HEPA filter, providing greater filter efficiency and longer HEPA filter life.
- *Blower motor contaminants are filtered prior to the sterile chamber. All blower motors throw off contaminants and must be filtered out.
- *Air is pushed through the HEPA filter, not pulled, as are all other sterile conditioners. This System is far less likely to get unfiltered air into the sterile chamber. Air is filtered down to .3 microns.
- *All circuitry is GFI and fuse-protected.
- *Airflow is temperature controlled. Only hot air going into the tank will increase ability to remove moisture, reducing the potential for micro-organism and mold-growth.
- *Light indicator box, located at ground level to notify you of any changes in the operating system.
- *Lamps, ballast, and motor service or replacement are completed with disturbing the sterile environment.
- *Ultraviolet lamps are internally enclosed in quartz sleeves.
- *No internal wiring is exposed to direct ultraviolet lighting.
- *All filters and lights can be changed in less than 5 minutes.
- *Modular hook-up for a high-level tank alarm.
- *Unique stainless vent system with less restrictive airflow and less likely to become a point of inoculation.

A NEW LOOK AT TANK VENTS BY INDUSTRIAL TANK SYSTEMS

Most tank vents utilize air filters that restrict the movement of air out of the tank. They are moisture collection devices that breed . Unwanted organisms. Even stainless steel vents will allow mold to breed in the corners, internally behind the air filter and on the filters themselves. They become potential inoculation centers, harboring the very problems you are trying to prevent.

Our newly designed vent system is a curved, U-shaped vent that is protected from the elements with an inside, easy-to-remove stainless steel strainer. This vent will substantially reduce the potential of becoming the introductory point of tank inoculation.

Should positive airflow from the sterile conditioner be turned off or extreme wind conditions exist, the vent works as a natural air trap, preventing outside air from forcing its way back into the tank. The curved structure will prevent moisture from condensing inside the tube and allow all the head-space moisture to exit the tank. The washable-coned strainer has an open area ratio of 1 ½ to 1, to allow unrestricted airflow.

We, at Tank Supply Company , know this design will offer you the best venting system on the market and at the lowest possible cost to you.



Specifications

Power	115/120 volt AC 15 amp service
Ultraviolet Lamps (2)	
Operating current	425 ma
Lamp operating voltage	70 volts
Lamp starting voltage	500 volts
Lamp wattage	25 watts
Ultraviolet output 253.7nm (100 hrs)	8 watts
Heater	
Welded 304 stainless steel sheath, nickel plated steel fins	725 watts
At 72 ambient	90-140* exit airflow cycle higher
Under 60 ambient	+ 40 temperature differential
Blower Motor	
At 0.0 static pressure	465 cfm.
At 06 static pressure	125 cfm.
Maximum ambient temperature	104* F
Automatic thermal protection	
Pre-Filter	
Tri-cube 4 ply, 100% Dacron Fiber	820 sq. inches
Maximum capture size	10 microns
HEPA Filter	
99.97% Efficient to capture size	.3 microns
Fusing	
Motor circuitry	4 amps
Lamps	1 amp
Indicator lights	1 amp
Heater	10 amps

Dimensions

Unit width (air flow outlet side)	16 ½ inches
Unit length (service panel)	26 inches
Minimum height to open (no stand)	32 inches
Minimum height (with stand)	37 inches
Minimum space to service lamps & filters	50 inches

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