

GroyneTech (GT) Positive Pressure Control Containment System (PPCCS) (Air Cleanliness level – ISO Class – 5 @ rest in normal operation) with **Recovery Cycle / Night Mode Cycle Programmed** provides personnel, environmental and product protection.

Air flow is “Re-Circulation through System” which provides personnel protection. In addition, the downward flow of HEPA filtered air provides product protection by minimizing the chance of cross contamination along the work surface of the “PPCCS”. Because “PPCCS” air has passed thru’ RETURN HEPA filter by principle of Re-Circulation System.

“GT-PPCCS” are designed based on customized requirement.

Design Performance of Positive Pressure Control Containment System:

- Air cleanliness (At Rest): ISO Class 5 @ Rest Condition.
- Air Flow: Re-Circulation.
- Noise Level: Less than 60 dB on Scale ‘A’ when Ambient is not greater than 55 dB on Scale ‘A’
- Vibration Level: Minimum
- Lux Level (Fluorescent Lamp) – 250 Lux.

Utility:

- Electrical Supply: 380 - 415 Volt AC.
- Compress Air Line: 8 Kg/Sq cm.

Features:

- PLC based Control Panel with HMI
- Variable frequency drive for speed control of inlet & exhaust motor blower
- Digital Differential Pressure Control System for chamber pressure.
- Raw – Data Print on line.
- UV Light
- Advanced Interlocks & centralized control panel with CE certified switch gear items.

Optional Features:

- SCADA Implementation with 21 CFR PART 11 Compliance
- Viable & Non – Viable Port
- VHP Integration
- Filling Line Integration
- Mobile Transfer Hatch Box Integration
- Transfer Port Integration
- Pressure Balancing with upstream & downstream containment system
- Design as per ISO & GMP compliance
- Leak Rate as per ISO 10648 Part II & ISO 14644 PART - 7

