

Comparison of the most popular ports on the market for Cleanrooms vs PASport™

Feature	PASport	CEPA	CPG	OEM	Comments
Integrated 3-part system suitable for both ducted and plenum systems	YES	NO	NO	NO	Aerosol challenge, Up-stream concentration, patented aerosol distribution
Provides Up-stream concentration port	YES	NO	NO	NO	Unique to PASport System
Provides aerosol challenge port	YES	YES	YES	YES	PASport valves are self-sealing
Unique aerosol dispersal devices	YES	NO	Limited	NO	Patented and designed for both ducted & plenum installations
Self-Sealing valves	YES	NO	NO	NO	Other brands are open to allow contaminants to enter room
Closed loop system	YES	NO	NO	NO	Protects Patient, Product & Process
Protects cleanroom from contaminants	YES	NO	NO	NO	NO unfiltered air enters room
Protects certifier from unnecessary exposure to PAO	YES	NO	NO	NO	Viton Seals in valves are virtually leak proof and chemical resistant
Provides actual concentration of challenge to reach HEPA	YES	NO	NO	NO	Know with 100% certainty how much aerosol reaches the filter
Relies on theoretical calculation for test results	NO	YES	YES	YES	Calculation does not account for flaws, distance, or coalescence
Test can be performed by a single technician	YES	NO	NO	NO	Others often require 2 technicians
Can be mounted outside the cleanroom suite	NO	YES	YES	NO	Standard installation supports test results.
Can be diagnostic of flaws in HVAC System	YES	NO	NO	NO	Aids in discovery of duct leaks
Can be diagnostic of problems with certifiers equipment	YES	NO	NO	NO	Has diagnosed faulty aerosol generator
Independently tested by industry leading authority	YES	NO	In-house	Unknown	Exceeds IEST RP 34 standards for special and temporal uniformity. Tested by Milholland & Assoc.
Allows for validation of the test	YES	NO	NO	NO	Allows for documentation of actual aerosol concentration. at filter
Eliminates False positive or False negative test results	YES	NO	NO	NO	Proven reliability-rock solid results
Patented design	YES	YES	NO	Some	The PASport System has received 3 US patents