



HIAC 9703+ Liquid Particle Counting System

Easily configurable for maximum flexibility

Efficient Compliance

Highly Flexible

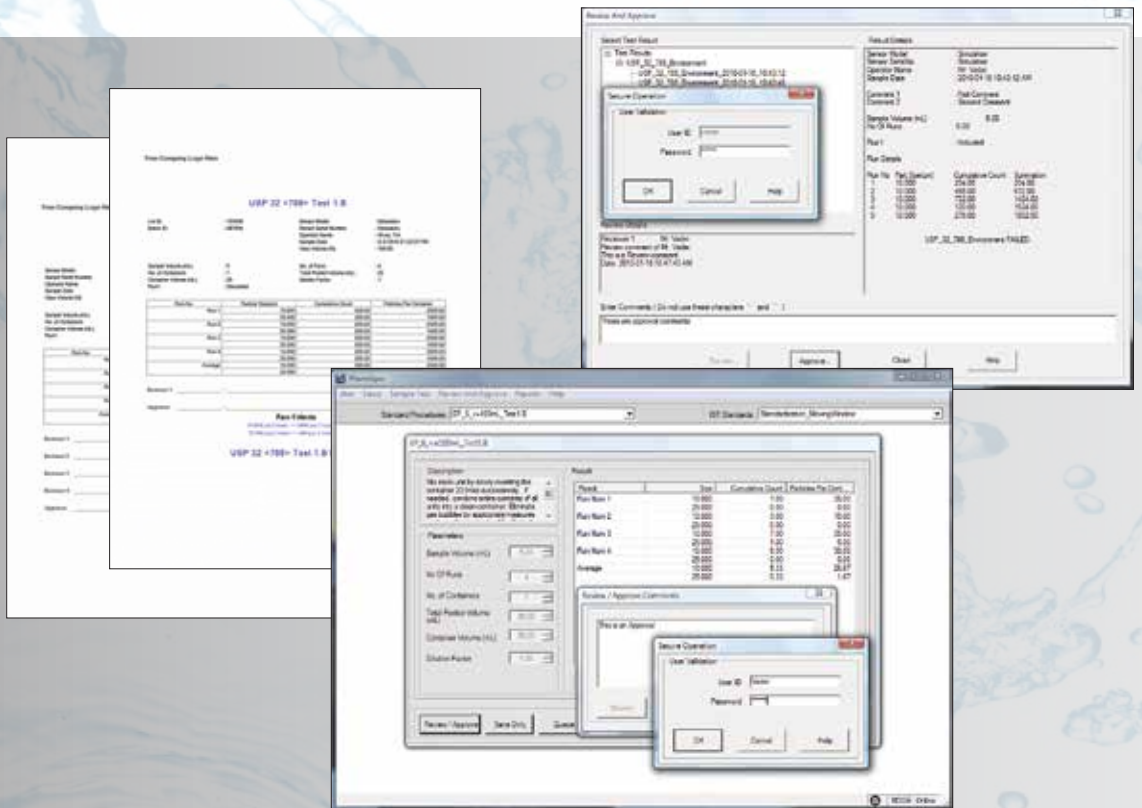
Advanced Diagnostics

Time Saving, Faster and Easier

Protects Your Investment



HIAC just got easier!



Use less sample, save valuable time – protect your investment

- Industry's smallest tare volume
- Small vial clamp ensures that your sample does not spill during testing

Enjoy more walk away time

- Automated flushing and cleaning routines



PharmSpec

Customized test routines and reporting

- Customized particle size, sample volume and run test recipes for your unique application needs
- User configurable reports

Added flexibility to configure security access

- Allows administration to define multi-level security access
- Meets requirements for 21 CFR Part 11 compliance

Save time utilizing pre-configured compendial test recipes

Eliminate manual calculations – Pass/Fail limits

Injectable Drugs

- USP <788>
- EP <2.9.19>
- JP <11>, <24>
- KP <52>

Ophthalmic

- USP <789>

Inhalants

- USP<788>/Levalbuterol Inhalation

Manage all of your application needs

Designed to handle the full range from very small (1 ml) to very large (>1000 ml) volumes

- Small volume injectable (SVI)
- Large volume injectable (LVI)
- Research and Development
- Troubleshooting
- Stability testing

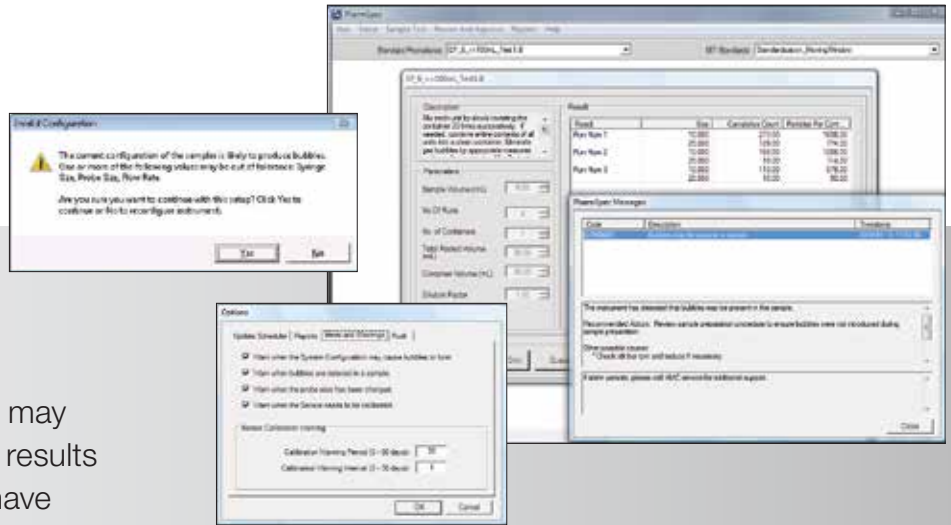
Easily configurable for maximum flexibility

- Interchangeable sensors from 0.5 μm to 600 μm
- Interchangeable sampling probes
- Interchangeable syringes – based on sampling size
- Configurable flow rates from 10 ml/min to 100 ml/min



Eliminate uncertainty from data anomalies

- Alarm notification when bubbles may have impacted particle counting results
- Operator alerted if the sensors have been contaminated
- Advanced notification when routine service or calibration is needed
- Operator notification when regulatory updates become available
- All alarms provide recommended actions



Eliminate anxiety of data loss

- Data loss recovery feature protects test data in the event of a power interruption or loss
- PharmSpec allows the operator to schedule data base back up to a secure network location

Turn-key validation and after sale service

Comprehensive local and on-site HIAC service programs with multiple field service offices and authorized distributors are available throughout the world

Avoid costly down time

- On-site service significantly reduces down time – no shipping of your unit required
- Notification with a phone call when your unit is in need of routine service

Instrument Validation Services

- SOP assistance and IQ/OQ validation services
- Utilize our expertise to get your system out-of-the-box and ready-to-use
- Ensure the accuracy of your instrument with documented validation and ISO 21501-3 compliant calibrations

Specifications

9703+ Sampler

<i>Temperature Range</i>	5 to 40°C (40 to 104°F) 0 to 80% relative humidity, non-condensing
<i>Temperature Range of Sample</i>	5 to 40°C (40 to 104°F)
<i>Viscosity Limit</i>	<50 cP
<i>Power Requirement</i>	100/230 VAC, 50/60 Hz
<i>Maximum Power</i>	67 W at 115/230 VAC
<i>Dimensions</i>	343 W X 337 D X 482 H mm (13.5 X 13.3 X 19.0 inches)
<i>Weight</i>	10.7 kg (23.6 lbs)
<i>Sample Bottle Clearance</i>	153 mm (6.02 inches)
<i>Volume Accuracy</i>	> 95%
<i>Flow Rate Accuracy</i>	> 95%
<i>Sample Flow Rate</i>	10 to 100 ml/min; Actual flow rate for the system is determined by the sensor's flow rate with step-by-step instructions and Pass/Fail results.
<i>Tare Volumes for Probes</i>	0.091 ml for 81 L X 1.2 ID mm (3.2 X 0.047 inches) 0.172 ml for 154 L X 1.2 ID mm (6.1 X 0.047 inches) 1.57 ml for 140 L X 6.35 ID mm (5.5 X 0.25 inches) - large bore

PharmSpec 3 Software

<i>Processor</i>	Pentium® 1.0 GHz
<i>Operating System</i>	Windows® XP with Service Pack 3 or later Windows Vista® with Service Pack 2 or later Windows 7 platforms
<i>Memory</i>	512 MB of RAM
<i>Hard Disk</i>	2 GB of available hard-disk space
<i>Drives</i>	CD drive, DVD drive, USB port or network connection is required for installation
<i>Display</i>	Super VGA video adapter and monitor, 1024 x 768 or higher resolution
<i>Power Supply</i>	Uninterrupted power supply (UPS)
<i>Removable Drive</i>	Removable drive for backing up data, such as a recordable CD or a network server that can back up the computer hard drive
<i>Printer</i>	Colour printer capable of printing at 300 dpi
<i>COM Port</i>	USB port to connect to the particle counting sensor
<i>Software</i>	Internet Explorer 6.0 or higher and Microsoft® Excel®, Word® or Adobe® Acrobat® (to access PharmSpec reports)

Typical System Configurations - other options available

<i>Part Number</i>	<i>Description</i>
2089105-01	9703+ Sampler
2089250-150	HRLD-150 Sensor
700060GP	PharmSpec 3 Software
DOC026.53.80099	Validation Documents - English (other languages available)
2089007-025	25 ml Calibration Flow Rate (other flow rates available)

<i>Standard Sensors</i>	<i>Range</i>
HRLD-150	1.3 µm to 150 µm
HRLD-150JA	1.3 µm to 150 µm (chemical compatibility)
HRLD-400	2 µm to 400 µm
HRLD-600JS	2 µm to 600 µm (chemical compatibility)

<i>Compliance Certifications</i>	CE Compliant per EMC and Low Voltage Directives Class 1 Laser Product Complies with IEC/EN 60825-1 and 21 CFR 1040.10 pursuant to Laser Notice 50 **
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** Contact manufacturer for complete compliance details



Contact us to place an order, request information or receive technical support.



Service packages and extended warranty up to 5 years.



On site technical support.



Seminars and workshops: Practical and hands on training.



Regular customer information by post and email.



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Life Sciences