



Directions:

From San Juan: Take the express way No. 22 to Arecibo. After the Vega Alta Toll take exit 32, keep right toward Vega Baja after four traffic lights you will see a bridge with a sign "Bienvenido a Vega Baja Ciudad del Naranja". After the next traffic light keep your right and turn right just before the next traffic light towards the Las Flores Avenue. Continue straight until you see PVSR which is the first industrial building at your right. The parking is behind the building.

From Arecibo: Take the express way No. 22 to San Juan. After the Manati Toll and take the Morovis Vega Baja Exit 42b and keep your right towards State Road No. 2. At Road No. 2 turn right. After five traffic lights do a U turn in the next traffic light keep your right and turn right just before the next traffic light towards the Las Flores Avenue. Continue straight until you see PVSR which is the first industrial building at your right. The parking is behind the building.

Materials:

You don't have to bring any materials to the courses everything will be provided to you.

Food & Beverages:

We will provide you with Coffee, refreshments and snacks but feel free to bring your own.

Sorry, no video or audio recorders!

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Dataloggers find them at:



www.TheLoggerStore.com
A PVSR Corporation Company

Dataloggers for temperature, humidity, pressure, differential pressure, process signals, indoor air quality (IAQ), pulse, electricity, gases and more!
We represent ACR Systems, Testo & Logtag.



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**VALIDATION OF
PHARMACEUTICAL
HVAC &
CLEANROOMS
WORKSHOP**



PVSR Corporation philosophy and management is based in the quality of our services and cost effective solutions. PVSR focus not only in validation solutions know but also on resources and training needs for the all areas of the Pharmaceutical, Biotechnology and Medical Devices

HVAC Systems & Cleanrooms Validation

Tired of daily duties without challenges? Want a challenge that leads to further professional development? Want to learn about the professional tasks best paid in Puerto Rico? Want an opportunity in Validation? PVSR has your solution.



What you get is what you need:

- (1) Learn the latest and most useful information from active consultants in the Regulated Industry - you will learn the do's and don't to be successful, even interview and resume tips.
- (2) Small groups (18) - Courses are easier to follow, you will get the attention you need and your questions will be answered.
- (3) Advanced Active Learning Methods - You will view professional made PowerPoint presentations that include equipment, processes diagrams and images.
- (4) Experience group discussions and real industry validation applications and situations.
- (5) We will provide with a cGMP's booklet, Regulatory reference information & access to our reference documentation database.

The HVAC Workshop has a length of 8.5 hours for one day. This Workshop will provide the Pharmaceutical HVAC Design Requirements along with the Validation Documentation Requirements and procedures.

Discussion Topics:

- ⚙️ Introduction to GMP Environments
 - GMP Environment defined
 - Contamination & cross-contamination
 - Cleanrooms definitions and Classification
 - Levels of Protection
- ⚙️ Pharmaceutical HVAC Components
 - Pharmaceutical Air Handling Systems
 - Technical requirements for Air Handling Systems
 - Different types of Air Handling Systems
 - Component problems and misuse
- ⚙️ Types & Configurations of HVAC Systems
 - HVAC Systems configurations
 - Airflow patterns
 - Locations of air terminals
 - Airflow problems
 - Operator protection
- ⚙️ Pressure Cascades & building Layouts
 - HVAC Systems and building layouts.
 - Pressure cascades requirements and how to achieve them.
 - Building finishes and plant components cleanliness Requirement.
 - Pharmaceutical Equipment
 - Inspection of HVAC Systems
 - Maintenance of HVAC Systems

- ⚙️ Validation, Qualification & Maintenance
 - The definition and need for validation of HVAC Systems
 - HVAC Systems qualification approach
 - HVAC Automated Controls and Utilities Control Systems qualification (CSV using GAMP 4)
 - HVAC Retrospective Qualification
- ⚙️ Live Class examples and exercises
- ⚙️ General Methodology and Documentation Development Techniques
- ⚙️ Terminology, Acronyms and Definitions
- ⚙️ Interview and Resume Tips

ONLY \$399

(Spaces are very limited)

For latest Courses Schedule Dates visit our website at www.pvsrwebsite.com
Saturday (One day) From 8:30AM TO 6:00PM

Reservations: You can reserve your space now (available 24 hours) in our Fully Automated Electronic Reservation and Payment System (all major Credit cards accepted) at our website www.pvsrwebsite.com

FAX RESERVATION FORM ALSO PROVIDED AT WEBSITE (Fax reservations will be confirmed by phone)

QUESTIONS?

E-mail:

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