



# Does your staff follow all GMP guidelines while accessing Clean Room??..

The largest percent of contributors to contamination within a clean room are people. Even the cleanest of people are naturally contaminated. Our bodies are natural host to unwanted bacteria, along with the shedding of skin cells, hair and exhale of bio-organisms.

Cleanrooms do not **eliminate** contamination altogether, they control it to an acceptable level. Traditionally the technology did not exist to directly measure **microbial contamination** in real-time, so the "all airborne particulates" limits were used and extrapolated /assumed to be representative of possible **airborne microbial contamination** risk.

Personnel entering in a cleanroom are normally the **highest** source of the airborne particulates and/or microbial contamination **risk**, so proper gowning and limiting the number of staff into a room must be carefully **controlled** to be within the cleanroom.



**1**

GMP Guidelines  
 1. Wear Beard Mask  
 2. Wear Gown  
 3. Remove Factory Shoes  
 4. Qualified for Aseptic

16 : 27 : 47  
 Mon 04 Jun 2018

GMP Guidelines Followed  
 Yes No

SS Fascia

**2**

GMP Guidelines  
 1. Wear Beard Mask  
 2. Wear Gown  
 3. Remove Factory Shoes  
 4. Qualified for Aseptic

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GMP Guidelines Followed  
 Yes No

Rs485 TFT Display

**Enviro Technologies** came up with access control solution with GMP prerequisites e.g. gowning, beard mask, factory shoes, gloves etc. which are mandatory to follow, failure of which will lead to no access in designated clean room or its peripheral area.

# Clean Room Occupancy Solution



Most contamination within the pharmaceutical facility can be traced to humans working in cleanrooms. This is, in some way, evidenced from the association of microorganisms transient or residential to skin being the primary isolates from environmental monitoring in controlled environments. Human personnel shed high numbers of skin cells mostly as skin flakes. The cleanroom garments worn by personnel cannot contain all human detritus.

Only necessary and limited number of persons should be allowed in a cleanroom at the same time. The more persons simultaneously present in a cleanroom, then the higher the contamination level will be, i.e., the higher concentration of particles in the air). This is particularly important in relation to changing rooms. With this in mind Enviro Technologies have introduced occupancy switch solutions which are reliable & astute.

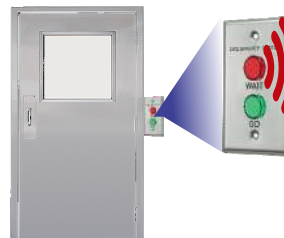
## Steps to follow



① Person enters designated Clean room area



② After entering pushes the occupancy switch from inside



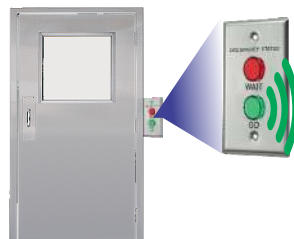
③ Once pressed the fascia outside will indicate to WAIT



④ The person inside will prepare himself for aseptic conditions as per GMP guidelines



⑤ Once dressed he will once again switch the button and proceeds further



⑥ After pressing the indicate the person to GO inside

Note: All specifications are subject to change without notice due to continuous improvements.

### Enviro technologies

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