

CARE IS IN THE AIR

Take control of airborne infections
with CPS 6000 system solution



PSIDAC
Care is in the Air

TIME FOR A HEALTHY BUSINESS DECISION

Building a new hospital is expensive, on top of that, extra costs can be incurred if correct decisions haven't been made during the design of the hospital.

REDUCE TREATMENT TIME

Patients are at a hospital to receive treatments to improve health and support a better life. But unnecessary infections of airborne germs can prolong the treatment time and result in extra cost and unnecessary suffering for the patient.

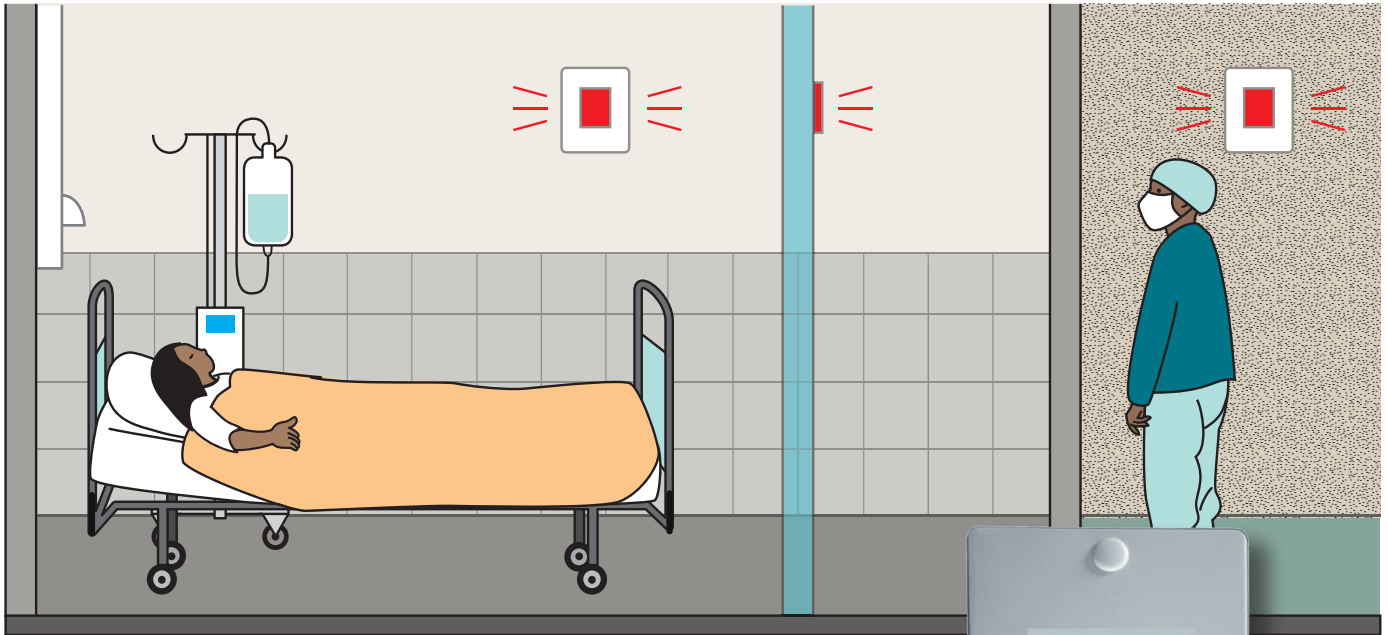
It's important to prevent infections like TBC, Ebola and other diseases to protect patients and staff.

Estimates from the USA have shown that a newly treated THORAX patient who receives a deep infection in the chest can incur additional costs of approx. \$100,000 USD!

CONCERNS

- ~ Increased cost
- ~ Infected patients
- ~ Infected staff
- ~ Contaminated sensor
- ~ Leakage through sensors





The CPS display turns red if the room pressure isn't correct for the actual usage. If you don't have the correct air pressure a situation might develop that could cause additional costs and unnecessary suffering for the patient and staff.



MONITORING THE AIR PRESSURE

By continuously monitoring the air-pressure these problems can be significantly reduced. Maintaining negative air pressure reduces the risk of spreading contamination to at risk patients and staff. Maintaining an overpressure reduces risk of contaminating infection sensitive people or those in surgery suites.

Continuous monitoring of the room pressure is necessary. Many hospitals do this on an annual or semi-annual schedule which does not guarantee that the air-pressure is always correct, resulting in reduced protection against airborne infections.

EVALUATION OF HOSPITALS

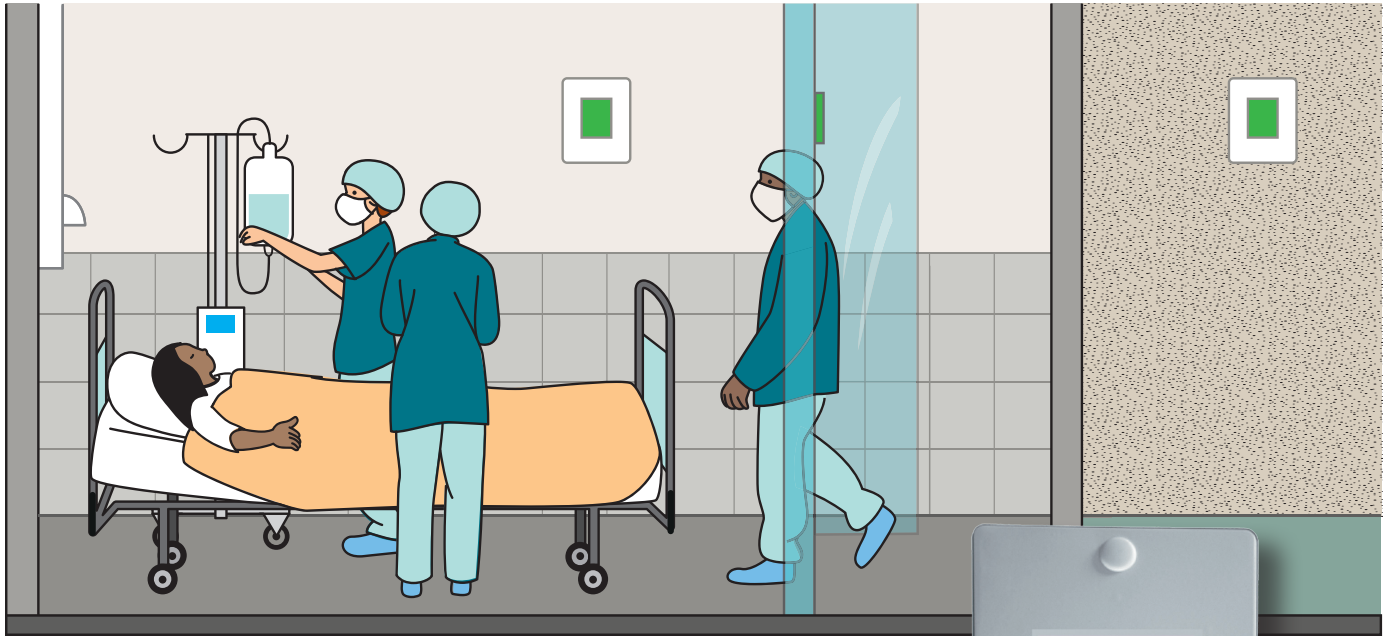
An evaluation was done on Seven Midwestern Hospitals in USA. Only 121 (3.4%) of 3,574 hospital rooms were designed to have negative pressure ventilation suitable for respiratory isolation. Only three (43%) of seven hospitals had intensive care respiratory isolation rooms, and none had isolation rooms in the emergency department.

The direction of airflow in respiratory isolation rooms was not always correct and should be evaluated frequently. No hospital had tested routinely the efficacy of the negative pressure ventilation, and two (28%) of seven had tested air flow for the first time in the past year.

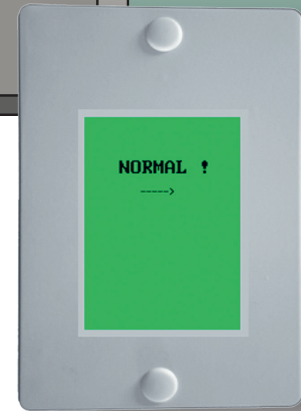


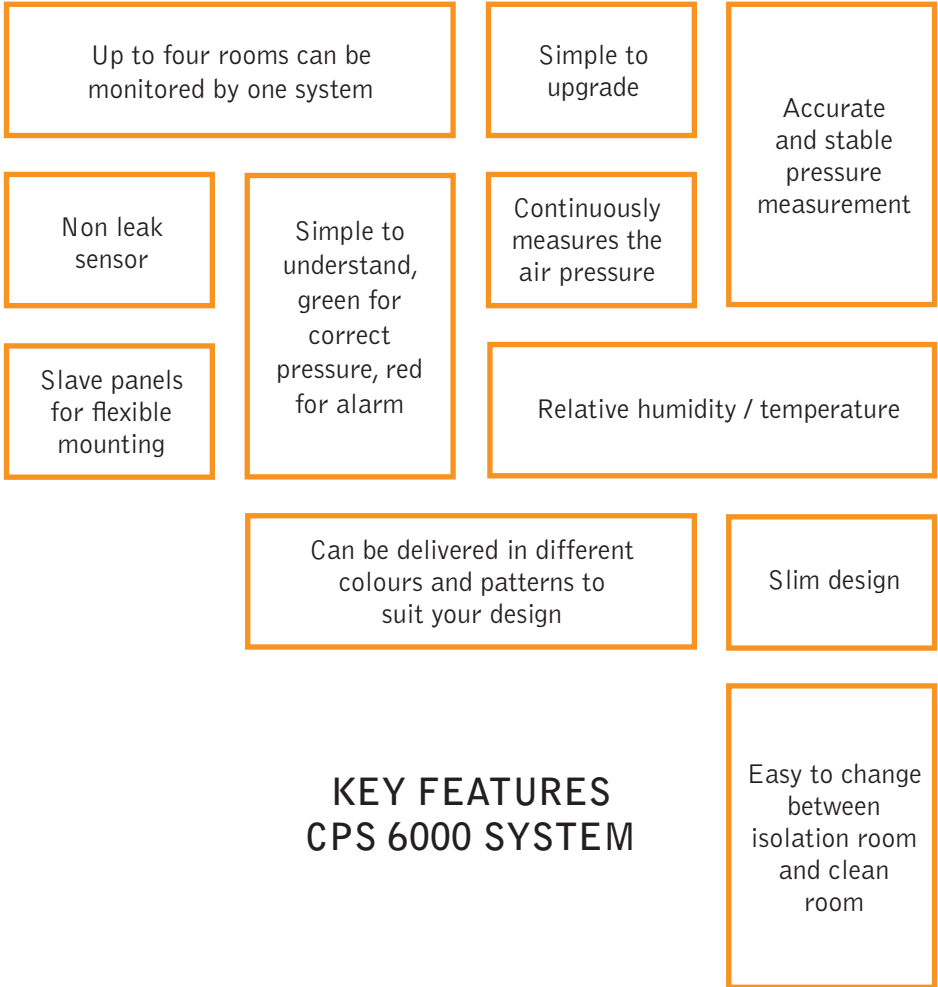
SOLUTIONS

- ~ Continuous monitoring
- ~ Non flow sensor
- ~ Easy to understand
- ~ Stable and accurate pressure measurement
- ~ Easy start-up



The CPS 6000 system displays green when room conditions are normal. Continuous monitoring of the room is necessary to assure that the pressure is correct at all times.





KEY FEATURES CPS 6000 SYSTEM

SAFETY

The concept is simple; the CPU 6000 will normally display green when everything is ok and red when there is an alarm condition (user configurable).

With the slave units it's easy to inform concerned staff the condition of the rooms that are of interest to them, for example install a slave panel inside the patient room.

ABOUT PSIDAC AB

PSIDAC, a Swedish company established in 1997, has developed high quality pressure sensors and controllers for some of the world's most demanding customers.

The range of products includes solutions for monitoring isolation rooms in hospitals and pharmaceutical installations. The products are simple to configure and to use.

PSIDAC is looking forward to working with you either with the current products or in assisting you with adaption of our exiting products or new design. We can also assist you with consulting help in different fields of operation.


CUSTOMERS

Smithkline Beecham, Astra Zeneca, ZGT Almelo, Clinical LAB, Hengelo, MST Enschede, St. Jansdal Harderw, Dirksland, ERASMUS Rotterdam, St Laurentius, Institute, Glaxco University, Kuwait University, Pharmacia UpJohn, Oxford University, WI-Fi City Dubai, Dubai Metro, Flakt Woods, GEA, etc.



CEO PSIDAC - Björn Österlund

PSIDAC AB
Bodarnevägen 37
825 32 Iggesund
SWEDEN

info@psidac.com
 +46(0)650-75970
www.psidac.com

