

## **MECHANICAL AND/OR NATURAL ROOM VENTILATION**

Mechanical and natural ventilation is the control of the environment with airflow in order to reduce contaminants to acceptable levels. In ventilation, a distinction is made between general ventilation relying on the dilution of workplace atmosphere and local exhaust ventilation. detailed in a dedicated e-card. However, sizing the general ventilation without taking into account the process ventilation and vice versa can lead to a decrease in the effectiveness of the dynamic containment. Room ventilation is usually not primarily installed as a localized control measure. Obviously, it helps to reduce exposure.







# **Implementation**

Ready to use Development required ☐ Without any maintenance

€)



Cost

### Target group

Workers Consumer

Environment



#### **ADVICES TO ENSURE THE MAXIMUM EFFECTIVENESS**

Installing a mechanical room ventilation is quite complex. However the following elements need to be taken into account:

- Couple with local suction 1.
- Compensate air outlets with inlets 2.
- Position the inlet and outlet openings so that there is 3. a general flow from the clean areas to the polluted areas
- Avoid dead fluid zones 4.
- Prevent workers from being between the extraction 5. and the source
- 6. Discharge polluted air outside the fresh air intake areas
- Anticipate maintenance and cleaning 7.
- Train workers 8.
- **Good practices** 9.



#### To know more

Compilation of NM exposure mitigation







