



Checklist for air dehumidification

Detailed description of the intended use:

- ✓ What should be dehumidified? Detailed description of the process, resp. the moisture problems.

General information:

- ✓ Location of the facility (meteorological data)? Other conditions for regeneration- or outside-air?
- ✓ Room volume?
- ✓ Current conditions inside the room (temperature and humidity)?
- ✓ Target conditions for the room (humidity and temperature)?

External moisture load:

- ✓ Existence of an mechanical ventilation system? If existent, CFM and inlet conditions.

Information about the tightness of the room/facility (air tight - middle - leaky) , in order to estimate the air infiltration.

- ✓ Are there any openings like doors and/or windows which get opened frequently? If yes, size of the opening and duration. Any other considerable Infiltration sources?

Internal moisture load:

- ✓ Number of people inside the room?
- ✓ Intensity of the working condition (low, middle, heavy)?
- ✓ Any other moisture loads? E.G. open water surfaces, cleaning work, moisture load through production process

Other important details:

- ✓ Are there any aggressive chemicals inside the room air (chlorine, detergents, ozone, acids, ...)? If present, concentration.
- ✓ Are there any alternative heat sources available (warm water, stream, etc.)? Potential energy savings for adsorption dryers. ** this will be used when we launch additional modules **
- ✓ Available power supply? (e.g. 480V 3 phase 60 Hz)
- ✓ Special filtration requirements?