

Adjusting Work Chamber Pressure

Typically you want to run with the fresh-air and exhaust damper closed as much as possible, while trying to maintain a neutral, or slightly positive chamber pressure. Except in cases where your process gives off smoke or noxious fumes, in which case it would be necessary to either increase both of the damper settings (to increase the amount of air changes in the work space), or to adjust the dampers to run with a slightly negative pressure.

The best possible work space/chamber uniformity will be obtained if the work space/chamber is slightly positive.

The recommended method of measuring these pressures is by using a draft gauge. An alternate method is to run smoke (examples: cigarette, incense, or smoldering newspaper) along the door seal to detect positive or negative pressures.

- Start with both the fresh-air and the exhaust damper closed.
- Check the chamber pressure, if positive skip to step #4.
- Adjust the fresh-air damper until the chamber is neutral or slightly positive, then go to step #5.
- Adjust the exhaust damper until the chamber is neutral or slightly positive.
- Procedure is complete.

We hope you will find this information useful. THANK YOU for contacting us and allowing us to be a service to you. Please contact us at 1-800-473-7373 if you have any questions.