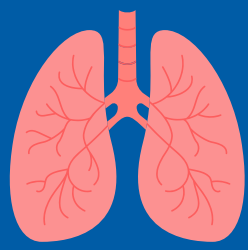


breathing trouble

How Pool Chemicals Can Impact Lungs

Poorly balanced pool chemicals can release harmful fumes that irritate the lungs—here's how these risks develop and what facility operators can do to prevent them.

Chemical Imbalance & Respiratory Risks



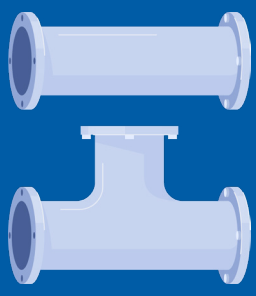
Over-chlorination:

Strong chlorine fumes irritate lungs and airways.



Low Ventilation + Chemical Buildup:

Trapped gases indoors lead to coughing, wheezing, and difficulty breathing.



PVC Pipe Residue Issues:

Old or poorly maintained pipes may hold stagnant chemicals, releasing harmful odors.

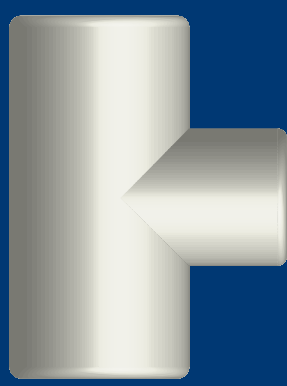


Spotting Early Signs of Chemical Imbalance

- ! **Cloudy or foamy water**
- ! **Strong chlorine odor**
(often due to too little free chlorine)
- ! **Frequent complaints of eye, throat, or lung irritation**

Optimizing Pool Safety

Chemical, Mechanical & Environmental Fixes



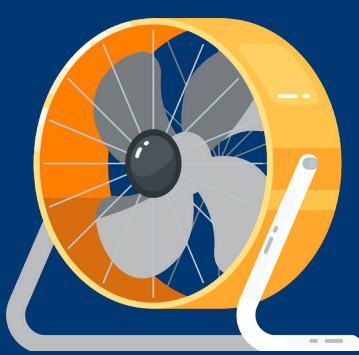
Plumbing & Chemical Flow

- ✓ Connect feeders to PVC pipes
- ✓ Flush lines regularly
- ✓ Use Class 125 fittings



Water Quality Maintenance

- ✓ Monitor pH: 7.2–7.8
- ✓ Keep chlorine: 1–3 ppm
- ✓ Inspect pipes for damage



Ventilation & Air Circulation

- ✓ Install dehumidifiers
- ✓ Use fans for airflow
- ✓ Check emergency systems