

3M Science.
Applied to Life.™



The heat is on. Protect your workers.

When working in hot and humid environments, finding both reliable and comfortable respiratory protection is key to helping keep workers safe. With 3M disposable respirators there's a solution: 3M™ Cool Flow™ Valve technology.



3M™ Cool Flow™ Valve

Cool comfort starts with cool breathing.

3M disposable and reusable respirators with the 3M™ Cool Flow™ Valve are designed to maximize breathing comfort and exhalation. By helping to release the user's hot, humid exhaled breath quickly, the 3M™ Cool Flow™ Valve helps to reduce heat and moisture build-up inside the facepiece. Additionally, the valve cover helps direct exhaled air downward and away from the face. When you work in hot, humid and physically demanding environments, a little more comfort makes a difference.

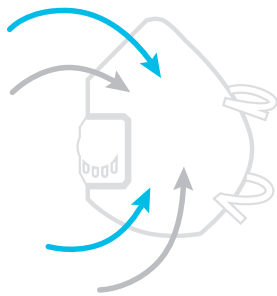


Beat the heat with a cooler solution.

On average, disposable respirators with a 3M™ Cool Flow™ Valve are up to 7.5 degrees cooler inside the facepiece than similar models without the valve.* See how 3M™ Cool Flow™ Valve technology can help keep your workers more comfortable.

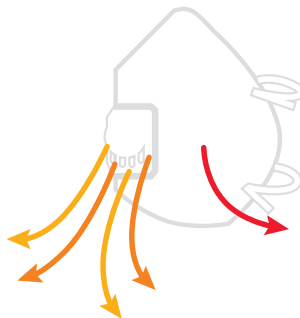
* Testing conducted in a 3M laboratory with the 8510 unvalved and 8511 with Cool Flow Valve. Testing protocol, data generation and conclusions were reviewed and approved by an expert from the University of Minnesota. The testing performed by 3M is not a part of the testing and certification conducted by NIOSH.

Inhalation with a 3M™ Cool Flow™ Valve



► **Inhalation:** As the wearer inhales, air is pulled through the respirator, and surface temperature decreases. Additionally, the 3M™ Cool Flow™ Valve's plastic cover retains some of the inhaled heat.

Exhalation with a 3M™ Cool Flow™ Valve



► **Exhalation:** As the wearer exhales, the respirator is filled with warm, moist air. The exhaled air exits through the 3M™ Cool Flow™ Valve and filter media. This is ideal for long periods of wear, especially where conditions are hot and humid, or when physically demanding work causes heavy breathing.

Heat has no boundaries

3M™ Cool Flow™ Valve technology is available on numerous 3M disposable and reusable respirators, providing a cooler solution to most working environments.

Standard N95



- 3M™ Particulate Respirator 8210V N95
- 3M™ Particulate Respirator 8211 N95
- 3M™ Particulate Respirator 8511 N95
- 3M™ Aura™ Particulate Respirator 9211+ N95

Welding N95



- 3M™ Particulate Welding Respirator 8515 N95
- 3M™ Particulate Welding Respirator 8212 N95
- 3M™ Particulate Welding Respirator 8214 N95
- 3M™ Particulate Welding Respirator 8512 N95
- 3M™ Particulate Welding Respirator 8514 N95

100 Class



- 3M™ Particulate Respirator 8293 P100
- 3M™ Particulate Respirator 8233 N100

For a full listing of all 3M™ Cool Flow™ Valve technology options, contact 3M or visit 3M.com/CoolFlow.



Personal Safety Division
3M Center, Building 235-2W-70
St. Paul, MN 55144-1000

For more information

In the U.S., contact:
Technical Service: 1-800-243-4630
Customer Service: 1-800-328-1667
3M.com/WorkerSafety.com



These respirators help protect against certain particles. **Misuse may result in sickness or death.** For proper use, see supervisor or User Instructions, or call 3M PSD Technical Service in USA at 1-800-243-4630 and in Canada at 1-800-267-4414.

In Canada, contact:
Technical Service: 1-800-267-4414
Customer Service: 1-800-364-3577

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