



Clean Air Filter // Quality Tested. Performance Proven.

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CAF RECOMMENDED FLOW RATE TEST PROCEDURE

Flow rate measurements are correlated to positive cab pressure to determine filter life.

Minimum flow rate is based on oxygen/co₂ levels.

Measurement Method, Refer to:

*Industrial Ventilation, A Manual of Recommended Practice, 19 Edition,
American Conference of Governmental Industrial Hygienists.*

EN15695 requirement, 17.66 cfm, based on CO₂ or O₂ data. TBV

ASABE requirement, 25 cfm, no known background basis. TBV

CAF recommendation, 17.66 cfm, 1 person, per EN15695

21.86 cfm, 2 people

Reasoning: 5% of 21% of O₂ in atmosphere is absorbed in the blood stream during respirations

5% of 21% = 0.238

0.238 of 17.66 = 4.203; 4.203 plus 17.66 = 21.863 cfm

Determining Flow Rates and Filter Life

1. Set the cab flow rate to a minimum of 17.66 cfm (with a hot wire or other method).
2. Mark the differential pressure gage or set indicator light in the cab.

This level (17.66cfm) determines the replacement or cleaning of the primary filter.

Maximum flow rate based on HVAC performance

Recirculation Filter Life, contact filter supplier.