



Designation: F 558 – 9803

An American National Standard

Standard Test Method for Measuring Air Performance Characteristics of Vacuum Cleaners¹

This standard is issued under the fixed designation F 558; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This test method covers procedures for determining air performance characteristics of commercial and household upright, canister, stick, hand-held, utility, and combination-type vacuum cleaners having provisions for attaching a hose and incorporating a series universal motor. This test method ~~does not apply~~ can be applied to the carpet cleaning mode of operation.

1.2 These tests and calculations include determination of suction, airflow, air power, maximum air power, and input power under standard operating conditions (see Note 1). The nozzle mounted on plenum testing is an ideal air performance measurement and is not intended to represent the actual air performance during carpet or floor cleaning.

¹ This test method is under the jurisdiction of ASTM Committee F-11 on Vacuum Cleaners and is the direct responsibility of Subcommittee F11.22 on Air Performance. Current edition approved ~~Oct. 10, 1998~~ March 10, 1998; ~~2003~~. Published ~~May 1999~~ April 2003. Originally published as F 558 – 78; approved in 1978. Last previous edition approved in 1998 as F 558 – 958.