

Vacuum Test Report

Purpose of test: To determine the exact cfm/flow rate of air, for each type and size, of vent outlet closing device's float, is actuated by vacuum, and closes the valve.

Manufacturer: Robert H. Wager Company, Inc.

Test Specimen: 4-1500-MV, vent outlet closing device

Date Completed: 11/19/14

Test Apparatus: -Vacuum Test Fixture, Fan/Air Measuring Station/Fluke meter/ Magnehelic gauge.

Test Specification: WI-Vacuum Test-01

Test Procedure: Apply prepared test specimen(s) to the vacuum test fixture and securely clamp in place. Zero out meter, on the flow rate setting, to begin test. Turn on fan at low speed. Gradually increase speed until float lifts and valve closes off airflow. Record the flow rate at which the float was lifted and closed off the flow (is visibly inspected on Fluke meter). Run the test 3 times and take an average. The valve will be rate rated at 80% of the final value.

4 INCH	InWC	CFM TO PULL FLOAT CLOSED
TEST 1	5	275
TEST 2	5	275
TEST 3	5	275

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Purpose of test: To determine the exact cfm/flow rate of air, for each type and size, of vent outlet closing device's float, is actuated by vacuum, and closes the valve.

Manufacturer: Robert H. Wager Company, Inc.

Test Specimen: 5-1500-MV, vent outlet closing device

Date Completed: 11/19/14

Test Apparatus: -Vacuum Test Fixture, Fan/Air Measuring Station/Fluke meter/ Magnehelic Gauge.

Test Specification: WI-Vacuum Test-01

Test Procedure: Apply prepared test specimen(s) to the vacuum test fixture and securely clamp in place. Zero out meter, on the flow rate setting, to begin test. Turn on fan at low speed. Gradually increase speed until float lifts and valve closes off airflow. Record the flow rate at which the float was lifted and closed off the flow (is visibly inspected on Fluke meter). Run the test 3 times and take an average. The valve will be rate rated at 80% of the final value.

5 INCH	InWC	CFM TO PULL FLOAT CLOSED
TEST 1	6.25	438
TEST 2	6	432
TEST 3	6	432

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Purpose of test: To determine the exact cfm/flow rate of air, for each type and size, of vent outlet closing device's float, is actuated by vacuum, and closes the valve.

Manufacturer: Robert H. Wager Company, Inc.

Test Specimen: 6-1500-MV, vent outlet closing device

Date Completed: 11/19/14

Test Apparatus: -Vacuum Test Fixture, Fan/Air Measuring Station/Fluke meter/ Magnehelic Gauge.

Test Specification: WI-Vacuum Test-01

Test Procedure: Apply prepared test specimen(s) to the vacuum test fixture and securely clamp in place. Zero out meter, on the flow rate setting, to begin test. Turn on fan at low speed. Gradually increase speed until float lifts and valve closes off airflow. Record the flow rate at which the float was lifted and closed off the flow (is visibly inspected on Fluke meter). Run the test 3 times and take an average. The valve will be rate rated at 80% of the final value.

6 INCH	InWC	CFM TO PULL FLOAT CLOSED
TEST 1	8	738
TEST 2	8	729
TEST 3	8	738

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Purpose of test: To determine the exact cfm/flow rate of air, for each type and size, of vent outlet closing device's float, is actuated by vacuum, and closes the valve.

Manufacturer: Robert H. Wager Company, Inc.

Test Specimen: 8-1500-MV, vent outlet closing device

Date Completed: 11/19/14

Test Apparatus: -Vacuum Test Fixture, Fan/Air Measuring Station/Fluke meter/ Magnehelic Gauge.

Test Specification: WI-Vacuum Test-01

Test Procedure: Apply prepared test specimen(s) to the vacuum test fixture and securely clamp in place. Zero out meter, on the flow rate setting, to begin test. Turn on fan at low speed. Gradually increase speed until float lifts and valve closes off airflow. Record the flow rate at which the float was lifted and closed off the flow (is visibly inspected on Fluke meter). Run the test 3 times and take an average. The valve will be rate rated at 80% of the final value.

8 INCH	InWC	CFM TO PULL FLOAT CLOSED
TEST 1	9	1360
TEST 2	9	1360
TEST 3	9	1352

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Purpose of test: To determine the exact cfm/flow rate of air, for each type and size, of vent outlet closing device's float, is actuated by vacuum, and closes the valve.

Manufacturer: Robert H. Wager Company, Inc.

Test Specimen: 10-1500-MV, vent outlet closing device

Date Completed: 11/19/14

Test Apparatus: -Vacuum Test Fixture, Fan/Air Measuring Station/Fluke meter/ Magnehelic Gauge.

Test Specification: WI-Vacuum Test-01

Test Procedure: Apply prepared test specimen(s) to the vacuum test fixture and securely clamp in place. Zero out meter, on the flow rate setting, to begin test. Turn on fan at low speed. Gradually increase speed until float lifts and valve closes off airflow. Record the flow rate at which the float was lifted and closed off the flow (is visibly inspected on Fluke meter). Run the test 3 times and take an average. The valve will be rate rated at 80% of the final value.

10 INCH	InWC	CFM TO PULL FLOAT CLOSED
TEST 1	3	1184
TEST 2	3.5	1280
TEST 3	3	1184