**Checklist: Damper Catalogs**

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| **Catalog ID:** |  | **Catalog Date:** |  |

***Note: Please reference your completed CRP Form to determine appropriate selections***

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| ***Seal Usage and Placement*** |

**Pick the correct License Type *(check all that apply)***

Air Performance

Air Leakage

Thermal Efficiency

**Placement of Seal *(choose one)***

If the catalog contains **all** licensed products, the AMCA Seal and qualifying statement shall be prominently displayed either on the cover or in the catalog.

If the catalog contains both licensed ***and*** unlicensed products, the AMCA Seal and qualifying statement shall not be shown on the outside cover ***and*** only on the inside cover or first page or prominently on a subsequent page. This shall be followed by a prominent statement indicating which products are licensed and on what pages the certified ratings are shown.

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| ***Qualifying Statements Adjacent to AMCA Seal*** |

**Ensure the following are added to your product catalog:**

In catalogs containing ratings of AMCA Licensed products, the following statement shall be printed prominently and immediately adjacent to the reproduction of the AMCA Certified Ratings Seal:

*“****(Licensee’s name as shown on License Agreement)*** *certifies that the* ***(product designation)*** *shown hereon [or herein] is licensed to bear the AMCA Certified Ratings Program Seal. The ratings are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program.”*

The following statement shall be printed prominently and immediately adjacent to the performance ratings or after the certified product statement, identifying the type of performance that is licensed.

*“The AMCA Certified Ratings Program Seal applies to* ***[certification type(s)]*** *ratings.”*

***Example: The AMCA Certified Ratings Program Seal applies to Air Performance ratings.***

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***(IF APPLICABLE)*** When performance data are certified, but non-certified modifications, such as appurtenances, accessories, etc., are applied to the performance ratings, the following statement shall be printed prominently and immediately after the certified product statement.

*“The AMCA Certified Ratings Program Seal applies to* ***[certification type(s)]*** *ratings without appurtenances.”*

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| ***Catalog Identification Requirements*** |

**Ensure the following are addressed in your product catalog:**

Catalogs containing performance ratings of licensed products shall have a catalog identification reference **(*Example: Catalog No. XXX, Rev. 1*)**, and unabbreviated current catalog date ***(Example: July 2021)*** on the outside front or back cover.

Where ratings are on separate sheets or on loose leaf that may be removed from the cover, each sheet or loose leaf shall be identified and dated as above.

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| ***Dampers - Air Performance Requirements*** |

**Testing Requirements**

**RECTANGULAR DAMPERS: Ensure test data is submitted for the following sizes\*:**

12 in. x 12 in.

24 in. x 24 in.

36 in. x 36 in.

12 in. x 48 in.

48 in. x 12 in.

***\*If any of the above sizes are not offered, those sizes are not required to be tested or certified, however, a minimum of one of the sizes above must have been tested to be eligible for a product line to be eligible for certification.***

**ROUND DAMPERS: Ensure test data is submitted for the following sizes\* *(in diameter)***

12 in.

24 in.

36 in.

***\*If the smallest damper is larger than 12 in., or the largest damper is smaller than 36 in., data from three sizes shall be needed (largest, smallest, midway between largest and smallest)***

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**Published Ratings Requirements**

**Ensure the following are addressed in your product catalog:**

Published ratings of air performance are to be a statement of the maximum static pressure drop for a specified airflow velocity at standard air density and the AMCA International figure(s) tested for all required sizes. Published performance for each size shall be the worst performing of the two airflows.

Ratings shall be in tabular and/or graphical form.

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| ***Dampers - Thermal Efficiency Requirements*** |

**Testing Requirements**

**RECTANGULAR DAMPERS: Ensure test data is submitted for the following size:**

36 in. x 36 in.

**Published Ratings Requirements**

**Ensure the following are included in your product catalog:**

Thermal efficiency performance, stated as a percentage efficiency as compared to the reference damper.

Test sample size

Test figure

Statement of the torque required to hold the damper in the closed position.

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| ***Volume Control Dampers Requirements*** |

**Testing Requirements**

**RECTANGULAR DAMPERS: Ensure test data is submitted for the following sizes\*:**

12 in. x 48 in.

Maximum width x 36 in.

***\*Up to two additional sizes may be tested for catalog purposes. The width shall be between 12 in. and the maximum width. The height of the additional sizes shall be 36 in. If maximum single section sizer is smaller than minimum requirements, a multi-section damper shall be tested (if offered). If the two required sizes are not offered the following sizes shall be tested: minimum width x maximum height AND maximum width x maximum height (up to 36 in.).***

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| **Catalog ID:** |  | **Catalog Date:** |  |

**ROUND DAMPERS: Ensure test data is submitted for the following sizes *(in diameter):***

Minimum

Maximum

**Published Ratings Requirements**

**Ensure the following, at the appropriate class, are included in your product catalog:**

A specified differential pressure.

Standard air density

AMCA figures(s) to which air leakage performance is tested.

One of the following\*:

1. “Data are based on a torque of [#] N•m/m2 (in-lb/ft2) applied to close and seat the damper during the test.” OR
2. “Data are based on a torque of [#] N•m/m2 (in•lb/ft2) with a minimum of [#] N•m(in•lb) applied to close and seat the damper during the test.”

***\*Stated torque value shall be the maximum of the samples tested.***

**Ensure the following statements are included in your product catalog:**

“Air leakage is based on operation between 0 °C - 49 °C (32 °F - 120 °F).” next to published data.

**RECTANGULAR DAMPERS: Ensure the following are addressed in your product catalog (choose one depending on testing requirements):**

**(IF ONLY 2 REQUIRED SIZES ARE TESTED)** Include the maximum air leakage class from the worse performing size at each catalog pressure. The worse leakage performance shall be based on the test results in both modes (pressure in direction of flow and back pressure)

**(IF ADDITIONAL SIZES ARE TESTED)** Publish the air leakage class from the worse performing of the two dampers used to establish each damper width range.

**ROUND DAMPERS: Ensure the following are addressed in your product catalog:**

Include the maximum air leakage class from both sizes tested in both modes (pressure in direction of flow and back pressure)

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| ***Ultra-Low-Leakage Dampers Requirements*** |

**Testing Requirements**

**RECTANGULAR DAMPERS: Ensure test data is submitted for the following sizes:**

Minimum width x maximum height

Maximum width x minimum height

Maximum width x maximum height

**ROUND DAMPERS: Ensure test data is submitted for the following sizes *(in diameter):***

Minimum

Maximum

**Published Ratings Requirements**

**Ensure the following, at the appropriate class, are included in your product catalog:**

A specified differential pressure.

Standard air density

AMCA figures(s) to which air leakage performance is tested.

One of the following\*:

1. “Data are based on a torque of [#] N•m/m2 (in-lb/ft2) applied to close and seat the damper during the test.” OR
2. “Data are based on a torque of [#] N•m/m2 (in•lb/ft2) with a minimum of [#] N•m(in.•lb) applied to close and seat the damper during the test.”

***\*Stated torque value shall be the maximum of the samples tested.***

**Ensure the following statements are included in your product catalog:**

***“Air leakage is based on operation between 0 °C - 49 °C (32 °F - 120 °F).”*** is next to published data.

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| ***Bubble-Tight Dampers Requirements*** |

**Testing Requirements**

**RECTANGULAR DAMPERS: Ensure test data is submitted for the following sizes:**

Minimum width x maximum height

Maximum width x minimum height

Maximum width x maximum height

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**ROUND DAMPERS: Ensure test data is submitted for the following sizes *(in diameter):***

Minimum

Maximum

**Published Ratings Requirements**

**Ensure the following are addressed in your product catalog:**

Air leakage performance ratings are to be presented as the following statement: ***“Dampers are bubble-tight up to [x] Pa ([x] in. wg) differential pressure.”***

A table stating damper size and required torque in N•m(in.-lb) **AND** N•m/m2 (in•lb/ft2)

**Ensure the following statements are included in your product catalog:**

The following statement next to the table: ***“Data are based on the following torque required to close and seat the damper during the test.”***

***“Air leakage is based on operation between 0 °C - 49 °C (32 °F - 120 °F***).” next to published data.

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| ***UL-Classified Dampers Requirements*** |

**Testing Requirements**

**Ensure the following is addressed:**

Submitted damper is a UL-classified damper in active status.

**Published Ratings Requirements**

**Ensure the following statements are included in your product catalog:**

The UL 555S published ratings class.

Maximum air leakage class in both airflow directions

AMCA International figure(s) to which they are tested.

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| ***Backdraft Dampers Requirements – Air Leakage*** |

**Testing Requirements**

**RECTANGULAR DAMPERS: Ensure test data is submitted for the following sizes:**

1. Maximum single-section width x maximum single-section height

2. Minimum single-section width x maximum single-section height

3. Maximum single-section width x maximum single-section height

4. ***(OPTIONAL)*** Maximum single-section width x 24 in.

5. ***(OPTIONAL)*** 24 in. x maximum single-section height

**ROUND DAMPERS: Ensure test data is submitted for the following sizes *(in diameter):***

1. Minimum

2. Maximum

3. ***(OPTIONAL)*** 24 in.

**Published Ratings Requirements**

**Ensure the following statements of the maximum tested air leakage are included in your product catalog:**

A specified differential pressure.

Standard air density

AMCA International figure(s) to which they are tested.

The statement: ***“Air leakage is based on operation between 0 °C - 49 °C (32 °F - 120 °F).”***

**Ensure the following are addressed in your product catalog:**

**(REQUIRED SIZES)** Include a single L/s•m2(cfm/ft2) value at each differential pressure. The L/s•m2(cfm/ft2) value shall be the maximum of the tested sizes.

**RECTANGULAR DAMPERS (IF ADDITIONAL SIZES ARE TESTED):** A second L/s•m2(cfm/ft2) value may be published at each differential pressure.

First value shall be the maximum of samples # 3, 4, & 5 above.

Second value shall be the maximum of samples # 1 & 2 above.

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**ROUND DAMPERS (IF ADDITIONAL SIZES ARE TESTED):** A second L/s•m2(cfm/ft2) value may be published at each differential pressure.

First value shall be the maximum of samples # 1 & 3 above.

Second value shall be the maximum of samples #2 above.

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| ***Backdraft Dampers Requirements – Air Performance*** |

**Testing Requirements**

**RECTANGULAR DAMPERS: Ensure test data is submitted for the following size\*:**

24 in. x 24 in.

***\*If the largest size produced is smaller than the above, the largest cataloged size shall be tested.***

**ROUND DAMPERS: Ensure test data is submitted for the following size (in diameter)\*:**

24 in.

***\*If the largest size produced is smaller than the above, the largest cataloged size shall be tested.***

**Published Ratings Requirements**

**Ensure the following are addressed in your product catalog:**

Published ratings of air performance are to be a statement of the maximum static pressure drop for a specified airflow velocity at standard air density and the AMCA International figure(s) tested for all required sizes. Published performance for each size shall be the worst performing of the two airflows.

Ratings shall be in tabular and/or graphical form.