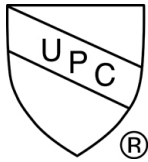


IAPMO RESEARCH AND TESTING, INC.

5001 E. Philadelphia Street, Ontario, CA 91761 • Phone (909) 472-4100 • Fax (909) 472-4244 • www.iapmort.org



CERTIFICATE OF LISTING



IAPMO Research and Testing, Inc. is a product certification body in which its product certification system includes inspection and testing of samples taken from the supplier's stock or from the market or a combination of both to verify compliance to the requirements of applicable codes and standards. This activity is coupled with periodic surveillance of the supplier's factory and/or warehouses as well as the assessment of the supplier's Quality Assurance System. This listing is subject to the conditions set forth in the characteristics below and is not to be construed as any recommendation, assurance or guarantee by IAPMO Research and Testing, Inc. of the product acceptance by Authorities Having Jurisdiction.

Issued To:

DEMA ENGINEERING CO.

10020 BIG BEND BLVD ST. LOUIS, MO 63122-9004 , United States

Product:

Performance Requirements for Chemical Dispensing Systems with Integral Backflow Protection

Products are in compliance with the following code(s):

Uniform Plumbing Code (UPC®)
International Plumbing Code (IPC®)

Products are certified to the following standard(s):

ASSE 1055-2018

File Number: 2090

Effective Date: November 2019

Void After: November 2024*


Chairman, Product Certification Committee



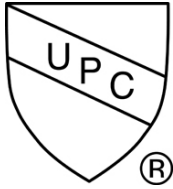

Chief Technical Service Officer

*This certificate is not evidence of current listing. To verify listing status, visit the IAPMO R&T Product Listing Directory at pld.iapmo.org

This listing period is based upon the last date of the month indicated on the Effective Date and Void After Date shown above. Any change in material, manufacturing process, marking or design without having first obtained the approval of the Product Certification Committee, or any evidence of non-compliance with applicable codes and standards or of inferior workmanship, may be deemed sufficient cause for revocation of this listing. Production of or reference to this form for advertising purposes may be made only by specific written permission of IAPMO Research and Testing, Inc. Any alteration of this certificate could be grounds for revocation of the listing. This document shall be reproduced in its entirety.

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: DEMA ENGINEERING CO.

Effective Date: November 2019

File Number: 2090

Product: Performance Requirements for Chemical Dispensing Systems with Integral Backflow Protection

Void After: November 2024

This certificate is not evidence of current listing. To verify listing status, visit the IAPMO R&T Product Listing Directory at pld.iapmo.org

Identification:

Each device shall be permanently marked with the manufacturer's name or trademark, model number, date of manufacture or serial number or other marking consistent with the manufacturer's standard practice, rated working pressure range, and water temperature range. A device whose outlet uses an NHT hose thread per ASME B1.20.1 shall be marked with the direction of flow. A device that has an atmospheric vacuum breaker (AVB) conforming to ASSE 1001 as its method of backflow protection shall indicate the critical level of the AVB at least 1in (25.4mm) below the actual critical level. Text near the critical level mark shall read "Outlet shall be no higher than critical level." Both markings and text shall be visible after installation on the outside of the device. The product shall also bear the UPC® certification mark.

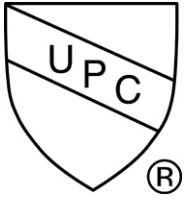
Characteristics:

Chemical dispensing systems having integral backflow protection shall be designed to withstand a supply pressure of at least 125.0 psi (861.9 kPa). Cold water devices shall withstand temperatures up to 120 °F (48.9 °C) and hot water devices shall withstand temperatures up to 180 °F (82.2 °C). These devices shall operate within the full pressure and temperature ranges as indicated by the manufacturer. To be installed with other listed fittings, in accordance with the manufacturer's instructions, and the requirements of the latest edition of the Uniform Plumbing Code.

Products listed on this certificate have been tested by an IAPMO R&T recognized laboratory. This recognition has been granted based upon the laboratory's compliance to the applicable requirements of ISO/IEC 17025.

IAPMO RESEARCH AND TESTING, INC.

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Models

Dispensers (Chemical)

Model Number
153
154

Dispensers (Chemical - Proportional)

Model Number
163AG
164AG

Model Number	Description
16-30	Siphon Breaker