



Certificate of Compliance

Certificate: 2293770

Master Contract: 246217 (246217)

Project: 70088083

Date Issued: 2016-08-16

Issued to: Pfannenberg, Inc.
68 Ward Road
Lancaster, New York 14086
USA

Attention: Joe Mazurkiewicz

The products listed below are eligible to bear the CSA Mark shown



Issued by: *William Kinas*
William Kinas

PRODUCTS

CLASS - C321137 - INDUSTRIAL CONTROL EQUIPMENT - Sub-Assemblies-Components

Filter fan assembly, motorized, for Industrial Control Panels –

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- Model Series PF followed by 11, 22, 32, 43, 65, 66, 67 followed by 000 with or without additional suffix;
- Model Series E-FAN followed by 1, 2, 3, 5 with or without additional suffixes.
- Model Series EF followed by 100, 200, 220, 250, 300, 500, 600, or 700.
- Model Series EFE followed by 200, 220, 250, 300, 500, 600, or 700.
- Model Series EFP followed by 200, 220, 250, 300, 500, 600, or 700
- Model PF 65.000 SL, PF 67.000 SL.
- Model PF 42500 with or without additional suffix.
- Model Series E-FAN4 with or without additional suffixes.

Terminal block or open lead power source wiring connections.

May be folded paper or foam type filter element.

Ratings: AC Voltage Fans: 24, 115, 230 VAC, 50/60 HZ, maximum power 200W.

DC Voltage Fans: 12, 24, 48 VDC, maximum power 17W.

Filter frames and elements, passive, non-motorized, for Industrial Control Panels –

- Model Series PFA followed by 10, 20, 30, 40, 60, followed by 000 with or without additional suffix.
- Model Series EX-FILT followed by 1, 2, 3, 4 with or without additional suffixes.



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- Model Series EFA followed by 100, 200, 220, 250, or 500.
- Model Series EFAE followed by 200, 220, 250, or 500.
- Model Series EFAP followed by 200, 220, 250, or 500.
Contains no electrical components. Utilized to enclose filter element and industrial panel enclosure opening.

NOTES:

- 1.) This equipment is Certified as a component for use in other equipment, where suitability is determined in the end use by CSA.
- 2.) All models mentioned within this report are for vertical mounting only.
Top mounting on enclosures is prohibited due to risk from dirt falling into airflow.
- 3.) The devices shall be mounted in enclosures having adequate strength and thickness in accordance with CSA C22.2 No. 14 in the intended manner and with acceptable air spacings to live parts mounted within the panel.
- 4.) Proximity of live or arcing parts to the vent openings including foamed filter material shall be evaluated in the end product. Due to the highly existing flammability of the filter material, min 305 mm is required between vent openings and an arcing part, or a barrier of metal or suitable material shall be interposed. If a barrier is provided, it shall be of such dimensions and so located that any straight line drawn from any arcing part past the edge of the barrier intersects a point in the vent opening plane that is at least 6.4 mm outside of the edge of the vent opening. See also Marking section in the installation manual.
- 5.) The Panel Enclosure Flange foam gasket of the PF fans / E-FAN / EF / EFE / EFP and PFA / EX-FILT / EFA / EFAE / EFAP filters have been evaluated and tested to Gasket Tests, CSA C22.2 No. 94-M91 (R2006), clause 6.2.5.

APPLICABLE REQUIREMENTS

CAN\CSA C22.2 No. 14-13 - Industrial Control Equipment
CAN\CSA C22.2 No. 113-15 - Fans and Ventilators (used as a guide)



Supplement to Certificate of Compliance

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The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
70088083	2016-08-16	Update report to add alternate foam gasket material.
70064790	2016-03-11	Update report to add alternate material AF312A (ABS) by LG Chemical.
70063678	2016-02-05	Update report to add alternate filter fan assembly Model Series EF followed by 100, 200, 220, 250, 300, 500, 600, or 700, Model Series EFE followed by 200, 220, 250, 300, 500, 600, or 700, Model Series EFP followed by 200, 220, 250, 300, 500, 600, or 700 and add alternate filter frames Model Series EFA followed by 100, 200, 220, 250, or 500, Model Series EFAE followed by 200, 220, 250, or 500, and Model Series EFAP followed by 200, 220, 250, or 500.
70042805	2015-12-07	Addition of alternate models E-Fan Series and EX-FILT Series. Update report to C22.2 No. 14-13 per Industrial Control Equipment Informs No. 36 and C22.2 No. 113-15 per Fans and Ventilators Notice Nos. 10 and 24.
2392923	2011-01-31	Add factories F1 and F2. Report typo corrections: Change Models PFA 11, 22, 32, 43, 65, 66, 67 to PFA 10, 20, 30, 40, 60. In accordance with CSA C22.2 No. 14-10, Edition 11, Update 1. Cleveland Lab.
2293770	2010-10-20	Initial certification of PF and PFA series fans and filters. In accordance with C22.2 No. 14-05. Cleveland Lab.