



# Certificate of Compliance

Certificate: 1240981 (LR 113752-4)

Master Contract: 188352

Project: 1240981

Date Issued: September 11, 2001

Issued to: YAMATAKE CORPORATION  
4-1-1 Omagari, Samukawa-machi  
Koza-gun Kanagawa-ken, 253-0113  
JAPAN  
Attention: Mr. Norio Kadoya

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



Issued by:

*E. Foo*  
E. Foo, CET

Authorized by:

*B. Rossborough*  
B. Rossborough  
Operations Manager

## PRODUCTS

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

Class I, Div. 2, Groups A, B, C and D; Class II, Div. 2, Groups E, F and G; Class III:

- Magnew 3000 remote converter, Models MGG14C (with suffixes), MGM14C, MGG14C-\*\*\*H, MGG14C-\*F rated 240V max, 50-60Hz, 17VA, or 24V dc, 13W. Outputs 4-20mA, contact 30V dc max, 200mA. Maximum ambient 60C. Temp Code T4. Encl. Type 4X.

- Magnew 3000 flowmeter detector, Models MGG18D, MGG18D-\*\*\*E, MGG18D-\*\*\*C, MGG18U, MGG18U-\*\*\*E, MGG18F, MGG18F-\*\*\*E, MGM18D, MGM18F, MGS18U (all Type 4X rated), MGG19D, MGG19D-\*\*\*E, MGG19U, MGG19U-\*\*\*E, MGG19F, MGG19F-\*\*\*E (all Type 6P rated).

## Notes:

1. All of the above detectors are powered from MGG14C/MGM14C converter.
2. All of the above detectors are for use with non-flammable process fluids.

Yamatake Corporation  
Shonan Factory

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CLASS 2258 03 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non-Incendive Systems - For Hazardous Locations

Class I, Groups B, C and D; Class II, Groups E, F and G; Class III:

- Magnew 3000 flowmeter detector, Models MGG17D, MGG17D-\*\*\*E MGG17U, MGG17U-\*\*\*E, MGG17F and MGG17F-\*\*\*E (all with suffixes). Encl. Type 4X rated. Electrodes are intrinsically safe. Powered from MGG14C/MGM14C converter as per drawing 80390309.

### **APPLICABLE REQUIREMENTS**

- CSA Std C22.2 No. 25-1966 - Enclosures for Use in Class II, Groups E, F and G Hazardous Locations
- CSA Std C22.2 No. 30-M1986 - Explosion-Proof Enclosures for Use in Class I Hazardous Locations
- CSA Std C22.2 No. 142-M1987 - Process Control Equipment
- CAN/CSA-C22.2 No. 157-92 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

### **MARKINGS**

- Company name.
- Model number.
- Serial number.
- Electrical rating (where applicable).
- Hazardous locations designation.
- Special purpose enclosure designation. "TYPE 4X" or "TYPE 6P" (as applicable).
- CSA Monogram.
- Temperature Code Rating (converter only).
- Max. Ambient (converter only).
- The Symbol [Exia] (where applicable).
- The words "ELECTRODES ARE INTRINSICALLY SAFE" (where applicable).
- The words "ASSOCIATED EQUIPMENT".
- Reference to Installation Instructions.
- A statement re Intrinsic Safety (where applicable).
- Caution re keeping cover tight while circuits are live (where applicable).
- Caution re substitution of components (where applicable).



CSA INTERNATIONAL

## *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**

<b>Project</b>	<b>Date</b>	<b>Description</b>
1240981	Sept 11/2001	Alternative potting material, type Sylgard 170 by Dow Corning, for models MGG17D, MGG17U and MGG17F. Dwg replaced 80390310/03.
-5	July 15, 1999	Updated to add additional models: MGM14C (Multivariable Converter) MGG14C-***H (Hart Converter) MGG14C-*F (Fieldbus Converter) MGG18/D/F/U-***E (ETFE Lined Flowmeter) MGG17/D/F/U-***E (ETFE Lined Flowmeter) MGG18D-***C (Ceramic Lined Flowmeter) MGS18U (Sanitary Flowmeter) MGG19/D/F/U-***E (ETFE Lined Flowmeter)
-4	Feb. 4, 1999	Original Certification