



FM Approvals
1151 Boston-Providence Turnpike
P.O. Box 9102 Norwood, MA 02062 USA
T: 781 762 4300 F: 781 762 9375 www.fmglobal.com

CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

IFM 4042K. Altflux Magnetic Flowmeter.

Model VN074abcEGhi1k0m0p000 + Model VN0845EKd3fg1i000

NI / I / 2 / ABCD / Ta = 60°C; NI / I / 2 / IIC / Ta = 60°C – 8.30692.01

With I.S. Electrodes IS / I / 1 / ABCD / Ta = 60°C

S / II, III / 2 / F, G / Ta = 60°C; Type 4X, 6

With I.S. Electrodes IS / II, III / 1 / F, G / Ta = 60°C

The IFM 4042K is the integration of the Model IFS 4002 Altflux Primary Head Flow Tube and the Model IFC 040 Electromagnetic Flowmeter Signal Converter products, with model numbers as follows:

IFS 4002 VN074abcEghi1k0m0p000. Altflux Primary Head Flow Tube

a = Size: 1, 2, 4, 6, 7, A, B, D.

b = Flange rating: 3, 4, 5, A, B, M, N.

c = Protection Class/Approval: 1, B, S.

g = Operating Instr. Language/Cabel Conn: E, F, G, H

h = Liner: 0, 2, S.

i = Electrodes: 1, 2, 3, 4, 5, 6, 7, 8, G, U.

k = Flange material: 1, 3, 4, A, C, D, K, M, N.

m = Ring/Material: 1, 2, 3, 4, 5, A, B, C, D, H, K, L, M, N, T, U, V, W.

p = Private label: 0, 1

IFC 040 VN0845EKd3fg1i000. Electromagnetic Flowmeter Signal Converter

d = Cable connection: 3, 4, 5.

f = Mounting position: 1, 2, 3, 4, 5.

g = Options: 1, C.

i = Private label: 0, 1



Equipment Ratings:

Nonincendive for use in Class I, Division 2, Groups A, B, C, D; Class I, Zone 2, Group IIC with intrinsically safe electrodes for use in Class I, Division 1 Groups A, B, C, D; Class II, III, Division 2, Groups F, G with intrinsically safe electrodes for use in Class II, III, Division 1, Groups F, G; Tamb = 60°C; NEMA 4X and NEMA 6 Indoor/Outdoor Hazardous (Classified) Locations

Approved for:

Krohne Altometer
Kerkeplaat 12
3313 LC Dordrecht
The Netherlands



This certifies that the equipment described has been found to comply with the following FM Approval Standards and other documents:

| | |
|---------------|------|
| Class 3600 | 1998 |
| Class 3610 | 1999 |
| Class 3611 | 1999 |
| Class 3810 | 1989 |
| Supplement #1 | 1995 |
| ANSI/NEMA 250 | 1991 |

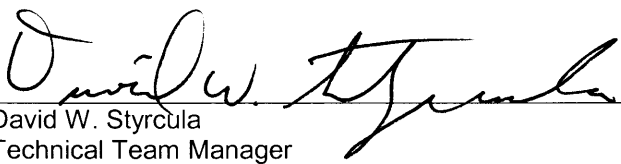
Original Project ID: 3018358

FM Approval Granted: January 27, 2004

Subsequent Revision Reports / Date FM Approval Amended

| Report Number | Date | Report Number | Date |
|---------------|------|---------------|------|
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FM Global Technologies LLC


 David W. Styracula
 Technical Team Manager

1/28/04
 Date