



Company Information

- **Chongqing Chuanyi Automation Co., Ltd. Flowmeter Branch**, established in 1965, is a professional comprehensive enterprise which is engaged in the overall solution of flow meters and flow measurement, integrating R&D, manufacturing, sales, service, all in one.
- The company has passed two new capability system certifications of "intelligent product R&D capability of automation instruments and meters, lean manufacturing capability of automation instruments and meters", and has become one of the first batch of enterprises to meet the standards in China.
- The company's main products include electromagnetic flowmeter, vortex flowmeter, differential pressure flowmeter, mass flowmeter, metal tube float flowmeter, etc., which are widely used in industries such as metallurgy, petroleum, chemical industry, light industry, electric power, environmental protection, nuclear power, water supply and drainage, etc.
- ODM supplier of Toshiba Corporation of Japan and FMS Corporation of Canada in China.



● Basic Information:

- A. Manufacturer's name: Chongqing Chuanyi Automation Co., Ltd. Flowmeter Branch
- B. Address: No. 61, Huangshan Road, Chongqing New North Zone, China Tel: 86-023-67032678
- C. Date of establishment/registration: 2002

● Factory Information:

Factory Area	8000 m ²
Production Range	Magnetic flowmeter, permanent magnetic flowmeter, intelligent electromagnetic water meter, vortex flowmeter, mass flowmeter, ultrasonic flowmeter, differential pressure flowmeter, metal tube float flowmeter, magnetic float level meter, liquid level switch, etc.
Annual Production Capacity	50000 units
Key Equipments	3 sets of automatic production lines and 4 sets of automatic calibration lines
Number of Employee	250



Certification and Standards

- Authentication and Certificates

Category	Name of Certification	Certification Authority
Product Certification	IECEX certification	Shanghai Explosion-Proof Institute
	CE certification	Italy ECM Certification Company
	CU-TR(ERC) certification	OUC
	CCS certification	Classification Society
	CSA safety certification	CSA Group
	3-A sanitary standard certification	3-A Sanitary Standards, Inc.
System Certification	ISO9001	Beijing New Century Inspection and Certification Co., Ltd.
	ISO14000	Beijing New Century Inspection and Certification Co., Ltd.
	ISO45001	Beijing New Century Inspection and Certification Co., Ltd.
	TS special equipment production license	Chongqing Liangjiang New Area Market Management Supervision Bureau
	Certificate of Measurement Management System	Beijing International Standard United Certification Co., Ltd.
	Type approval certificate of measuring instruments	Chongqing Municipal Bureau of Quality and Technical Supervision
Patent Certificate	Measurement method of excitation steady-state time of electromagnetic flowmeter	China National Intellectual Property Administration
	Excitation high voltage automatic control device	China National Intellectual Property Administration
	Signal processing system of electromagnetic flowmeter based on DSP	China National Intellectual Property Administration
	Method of eliminating temperature influence on sound velocity by ultrasonic flowmeter	China National Intellectual Property Administration
	Anti-interference signal processing method and system based on vortex flowmeter	China National Intellectual Property Administration
	Coriolis mass flowmeter sensor and its shunt device	China National Intellectual Property Administration
	Monitoring device based on CPU crash of flowmeter	China National Intellectual Property Administration



Category	Name of Certification	Certification Authority
Others	Silver Award for Export Sensor Technology of Electromagnetic Flowmeters	China Machinery Industry Federation
	Second Prize of Scientific and Technological Progress of High-Performance Electromagnetic Flowmeter	Chongqing Municipal Science and Technology Award
	Intelligent Electromagnetic Flowmeter	Chongqing Municipal Science and Technology Award
	Scientific and Technological Achievements of Fieldbus Electromagnetic Flowmeter	Chongqing Municipal Science and Technology Commission
	Development and Application of Digital Low-power Two-Wire Vortex Flowmeter Against Strong Vibration Interference Second Prize of China Machinery Industry Science and Technology Award	China Machinery Industry Federation Chinese Mechanical Engineering Society
	Development and Application of High-Performance Electromagnetic Flowmeter Based on High Frequency Excitation and Digital Signal Processing Second Prize of China Machinery Industry Science and Technology Award	China Machinery Industry Federation Chinese Mechanical Engineering Society
	MFL Two-Wire Electromagnetic Flowmeter Third Prize of China Machinery Industry Science and Technology Award	China Machinery Industry Federation Chinese Mechanical Engineering Society
	First Prize of Instrument and Meter Equipment Health Management and Fault Diagnosis Technology and Application	China Instrument and Control Society
	Second Prize of Industry-University-Research Cooperation Innovation Achievement in Key Technology R&D and Industrialization of High-end Intelligent Measurement and Control Instruments for Process Industry	China Industry-University-Research Institute Cooperation Association
	High Performance Electromagnetic Flowmeter Second Prize of China Petroleum and Chemical Automation Industry Science and Technology Award	China National Association for Automation in Petroleum and Chemical Industry

* See the attachments at the end of the document for details.



- **Executive Standard of Process (Production, Technology, QC, Inspection etc.)**

Standard Name	Standard Number	Equivalent Standard
Measurement of fluid flow in closed conduits – Methods of evaluating the performance of electromagnetic flow – meters for liquids	JB/T 9248-2015	GB/T 18659-2002
Meters for cold potable water and hot water	GB/T 778.1~5-2018	ISO 4064-1~5: 2014
Meters for cold potable water and hot water	GB/T 778.1~5-2018	ISO 4064-1~5: 2014
Measurement of fluid flow in closed conduits – Ultrasonic transit-time meters for liquid	GB/T 35138-2017	ISO 12242: 2012
Process measurement and control devices – General methods and procedures for evaluating performance – Part 3: Tests for the effects of influence quantities	JB/T 6844-2015	GB/T 18271.3
Measurement of fluid flow in closed conduits - Flowrate measurement by means of vortex shedding flowmeters inserted in circular cross-section conduits running full	JB/T 9249-2015	GB/T 25922-2010
Measurement of fluid flow in closed conduits – Guidance to the selection, installation and use of Coriolis meters	GB/T 31130-2014	ISO 10790: 1999
Measurement of fluid flow by means of pressure differential device inserted in circular cross-section conduits running full	GB/T 2624-2006	ISO 5167: 2003
Measurement of fluid flow in closed conduits - Influence of pulsating flow on flow measuring instrument	GB/T 30243-2013	ISO/TR 1333: 1998
Measurement of fluid flow by means of pressure differential device inserted in circular cross-section conduits running full	Q/CY101-2020	GB/T 2624-2006

Main Products

MF Electromagnetic Flowmeter

- The flow measurement range is wide, and the range ratio is 1500:1.
- The flow rate of minimum guaranteed accuracy is 0.2m/s.
- Advanced sensor technology can ensure that the installation of straight pipe section takes only 1.6D.
- High accuracy: up to 0.2% indicating value
- Forward and backward flow are measurable: pulse flow, multiphase flow and slurry are measurable.
- The input of the converter is more than 10^{12} ohms, which can effectively prevent the influence of scaling on the sensor, and the minimum conductivity can reach 1.7us/cm.
- The electrode seal adopts a unique double-sided sealing method of cone seal and line seal.
- Buried installation and long-term immersion installation are allowable, up to IP68.
- Multi-frequency excitation technology/DSP digital processing technology/high frequency sampling technology/data coordinating analysis technology
- Self-diagnosis (excitation circuit/empty pipe detection/upper and lower limits/system storage)



Main Technical Parameters:

Diameter (mm): DN2.5-DN2400

Communication protocol: PROFIBUS bus / FF bus / HART bus / MODBUS bus

Explosion proof grade: Exia/deIICT4-T6 Ga/Gb

Basic error: $\pm 0.2\%$ or $\pm 0.5\%$ of the indicating value

Protection level: IP65/IP67 (sensor IP68 optional)

Ambient temperature: $-40^{\circ}\text{C} \sim 65^{\circ}\text{C}$

Power supply: ACAC (100-230) $\pm 1\% 5\text{V}$, 47Hz-440Hz, maximum

Power consumption is 20VA; DC 11V-40V, maximum power consumption is 20VA,

and power consumption of two-wire system is 0.5VA

Functional type: two-wire system/slurry system/sanitary system/quick response system/plug-in system/battery-powered system/nuclear power system



VF Vortex Flowmeter

- Anti-vibration "3g" gravity acceleration
- Anti-interference Dual-probe DSP digital adaptive filtering signal processing
- Wide range Has unique FFT power spectrum analysis technology
- Convenient Temperature and pressure compensation integration, temperature resistance 400°C

Main Technical Parameters:

Diameter (mm): DN15-DN600

Communication protocol: / HART bus / MODBUS

Explosion proof grade: ExiaIICT6/ ExdIICT6

Basic error: $\pm 1\%$ of the indicating value

Protection level: IP65/IP67

Medium temperature: $-40^{\circ}\text{C} \sim 350^{\circ}\text{C}$

Anti-vibration ability: $\leq 3\text{g}$

Functional type: temperature and pressure correction type/shrinkage type



Main Products

DF Differential Pressure Flowmeter

- High level of confidence: Integrated and comprehensive real flow calibration, and the accuracy of the whole machine reaches level 1.
- Reliable: Designed by a variety of reliable standard calculation software, material spectrum detection.
- Good safety: TS certification for special production of pressure pipeline
- Internationally recognized: CE certification
- Complete series of products: Strong adaptability

Main Technical Parameters:

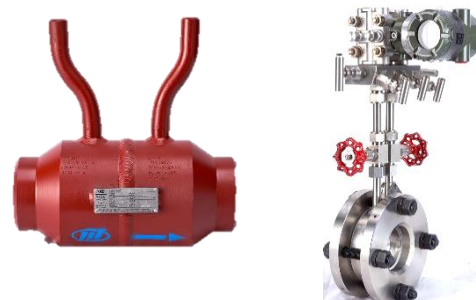
Diameter (mm): DN50-DN1200

Nominal pressure: (0.25-42) MPa

Medium temperature: -196°C~600°C

Repeatability: 0.25%~0.5%

Functional type: standard/wedge /V cone/balance/plug-in type/integration/self-heating



RF Metal Tube Float Flowmeter

- Uniform magnetic field technology is used to make float measurement more stable.
- Multi-section cone tube technology is used to make the scale disc tend to be linear.
- Double indication system, meeting the needs of users in different working conditions
- With magnetic damping system, effectively reducing pointer jitter
- Built-in geomagnetic interference compensation device, effectively overcoming the influence of geomagnetic field on instrument

Main Technical Parameters:

Diameter (mm): DN15-DN150

Communication protocol: PROFIBUS bus / FF bus

/ HART bus / MODBUS bus

Explosion proof grade: Exia II C2~CT6/ Exd II C2~CT6

Basic error: $\pm 1.5\%$ of the indicating value

Protection level: IP65

Medium temperature: standard type -20-120°C, low temperature type -196—20°C, high temperature type 120-450°C

Functional type: PTFE/low temperature/high temperature/standard



Main Products

MFM Mass Flowmeter

- High accuracy: Strong signal with U-shaped structure
- Strong anti-interference ability: DTFT digital processing technology is used to effectively eliminate vibration interference.
- Long life: Sensor adopts vacuum treatment or inert gas to effectively protect components.

Main Technical Parameters:

Diameter (mm): DN3-DN150

Nominal pressure: (0.25-42) MPa

Medium temperature: -196°C~400°C

Basic error: $\pm 0.15\%$ or $\pm 0.2\%$ of the indicating value

Functional type: standard/high temperature/low temperature/high precision



MFR Thermal Gas mass Flowmeter

- The armored temperature sensor is adopted, and the service life is long.
- The piecewise correction technology is adopted, and the linearity is good.
- Real current calibration, high accuracy
- Self-diagnosis

Main Technical Parameters:

Diameter (mm): DN15-DN3000

Communication protocol: FF bus/ MODBUS

Explosion proof grade: Exia II CT4/ Exd II CT4

Basic error: $\pm 1.0\%$ of the indicating value

Protection level: IP65

Medium temperature: standard type -20-120°C, high temperature type -40-500°C

Functional type: low temperature/high temperature/standard





- Field Application



Reference Performance

Petroleum and Petrochemical



Country	User Name	Project Name	Year
Iraq	Iraq AL-WAHA	Oilfield flooding	2019
China	PetroChina Company Limited	Modification and expansion of alkylation unit	2019
China	China Petroleum Engineering & Construction Corporation	Equipment renovation project of Golmud Refinery	2019
China	Shaanxi Shenmu Fuyou Energy Technology Co., Ltd.	Construction of natural gas hydrogen manufacturing unit	2019
China	Hainan Handi Petrochemical Co., Ltd.	Construction of raw material pretreatment unit	2019

Chemical Industry



Country	User Name	Project Name	Year
China	The Coking Plant of Wuhan Iron and Steel (Group) Corporation	Gas improvement project of coking transformation in WISCO	2019
China	Shandong Hualu Hengsheng Chemical Co., Ltd.	Measurement and Transformation of coal water slurry in gasification furnace	2019
China	Shanxi Xiangkuang Hongtong Coal Chemical Co., Ltd.	EPC general contracting project of thermoelectric device	2019
China	Zhong-ke-Hefei Coal Gasification Technology Co., Ltd.	Circulating sulfide bed in Yihua, Xinjiang Uygur Autonomous Region, China	2019
China	Shaanxi Yanchang Coal Yulin Energy and Chemical Co., Ltd.	Yulin Energy and Chemical Phase I Project	2019



Chemical



Country	User Name	Project Name	Year
China	Wanhua Chemical Group Materials Co., Ltd.	Aniline-formaldehyde integration project	2019
China	Rishengjiangyan Chemical Co., Ltd.	120,000 tons chlorinated paraffin project	2019
China	Wuhai Yadong Fine Chemical Co., Ltd.	Reactive dye project	2019
China	Liaoning Baolai Chemical Co., Ltd.	Comprehensive utilization project of light hydrocarbons	2019
China	Shaanxi Hongma Technology Co., Ltd.	Phase II of Multicomponent Cathode Materials for Lithium Ion Batteries	2019

Power



Country	User Name	Project Name	Year
Pakistan	Lucky Power Station in Pakistan	Seawater desalination project of 1660MW power station	2019
Jordan	China Energy Engineering Group Guangdong Power Engineering Co., Ltd.	Attrat Fuel Oil Shale Power Station in Jordan	2019
United Arab Emirates	Shandong Tiejun Electric Power Engineering Co., Ltd.	Abu Dhabi Taweelah desalination project	2020
Zimbabwe	China Huadian Engineering Co., Ltd.	Zimbabwe Wangji Power Plant Phase III Project	2020
Vietnam	Vietnam Hefa Energy Co., Ltd.	General contracting of 50MW power generation in Haiyang, Hefa, Vietnam	2020



Metallurgy

Country	User Name	Project Name	Year
Congo	Hanrui Metal (Congo) Co., Ltd.	Klowez copper and cobalt hydroxide project	2019
China	CISDI Engineering Co., Ltd.	EPC project of blast furnace in Fangchenggang base of Liuzhou Iron and Steel Group Company	2019
China	HBIS Group Co., Ltd.	Heat balance system of 3200m ³ blast furnace	2019
China	Shandong Weiqiao Pioneering Group Company Limited	Reconstruction of Weiqiao Alumina No.3 Company	2019
China	Shougang Group	2*5500 m ³ blast furnace, continuous casting and hot rolling	2018

Light Industry & Building Material

Country	User Name	Project Name	Year
China	Zhejiang Jinjinli Environmental Protection Paper Industry Co., Ltd.	1 million tons environmental protection recycled paper project	2019
China	Shandong Qixing Lemon Technology Co., Ltd.	500,000 tons food additives project	2019
China	Tangshan Meitehao Health Products Co., Ltd.	100,000 tons medium-sized household paper project	2019
China	Lixin Dyeing Machine (Shenzhen) Co., Ltd.	The supporting project for dyeing machine	2019
China	Guangxi Fengtang Luzhai Paper Industry Co., Ltd.	Capacity expansion project of chlorine bleaching and alkali recovery system	2019



Energy Saving and Environment Protection



Country	User Name	Project Name	Year
China	Guangxi Huayi Energy Chemical Co., Ltd.	Industrial gas island project	2019
China	Ningxia Water Investment Group Co., Ltd.	Smart city redevelopment	2019
China	Zhengzhou Zhengding Heating Equipment Co., Ltd.	New construction and transformation of heat exchange station	2019
China	Beijing OriginWater Technology Co., Ltd.	Changsha Muyun Sewage Treatment Plant	2019
China	Xinneng Energy Co., Ltd.	Zero emission treatment project of coal chemical wastewater	2019



Customer Testimonials

- Product Use Questionnaire from Dongguan Haofeng Xinao Energy Co., Ltd.

Q/LY BG

重庆川仪流量仪表分公司 产品使用调查表

设计项目名称	东莞市豪丰新奥能源有限公司	生产时间	2017 年 11 月
产品型号规格	DN40~DN150	使用数量	28
客户名称	东莞市豪丰新奥能源有限公司	使用时间	
电话	13415371500	传真	0760-88238866
邮编	523000	联系人	张银

地址：东莞市麻涌镇豪丰环保专业基地和东莞市常平镇豪丰环保专业基地

客户使用意见：

- 1、服务态度：销售、技术团队服务有耐性、服务态度良好；
- 2、技术力量：销售、技术团队能很好解决客户使用过程中的问题；
- 3、使用情况：目前锅炉所使用的压力变送器、蒸汽流量计运行状况及稳定性良好；
- 4、价格及品牌：首先川仪属于国内一线品牌质量能得到保障，同时在同等一线品牌的涡街流量计价格较合适。

客户使用结论及建议：

- 1、结论：稳定性良好、价格适中、服务态度良好。
- 2、建议：生产周期长，建议缩短产品生产周期。

客户签名：张银
公章



- **Product Use Report from Ningxia Furui Silane Material Co., Ltd.**

产 品 使 用 报 告

2020 年 4 月重庆川仪自动化股份有限公司与我公司签订了宁夏福瑞硅烷材料有限公司年产 50000 吨硅烷偶联剂项目流量计购销合同（合同号 2020 银 Y022，共计采购电磁、涡街、金属转子、差压流量计 151 台套）。

在执行合同过程中，该公司供货及时，售后服务到位，所有产品已经投入运行，产品质量合格率达 100%。在使用过程中我们仪表工反应良好，主要表现在流量测量准确，参数设置简单，显示清晰、直观，维护方便。为我司正常生产和产品品质提供了很好的保障。

特此说明！

宁夏福瑞硅烷材料有限公司

2020 年 10 月 15 日





Annex: Certification and Standards

شهادة – Certificate – 증명서 – 證明書 – Сертификат – Certificate – 證明書

Certificate of Compliance

No. 3B190415.CCAUC70



Certificate's
Holder:

CHONGQING CHUANYI AUTOTON
CO., LTD. FLOWMETER BRANCH
No. 61, Middle Section, Huangshan Ave., Yubei
District, Chongqing, China

Certification ECM
Mark:



Product:
Model(s):

Electromagnetic flowmeter
MF series (MFC, MFE, MFD, MFL, MFP, MFB, MFS)

Verification to:

Standard:
EN 1092-1:2018

related to CE Directive(s):
2014/68/EU (Pressure Equipment)

Remark: The product(s) has been verified on a voluntary basis. The product(s) satisfies the requirements of the Certification Mark of ECM, in reference to the above listed Standard(s). The above Compliance Mark can be affixed on the product(s) accordingly to the ECM regulation about its release and its use. The regulation can be found at www.entecerma.it. This Certificate of Compliance can be checked for validity at www.entecerma.it.

This verification doesn't imply assessment of the production of the product(s).

Additional information, clarification about the **CE** Marking:



We attest that a TCF for the **CE** Marking process is in place. Whereas the Manufacturer is Responsible to start the **CE Marking Certification Procedure** through an appointed Notified Body and the perform all the necessary activities, as required by the Directive and accepted by the Notified Body, before placing the **CE** Mark on the product(s).

Date of issue 15 April 2019

Chief Manager
Marco Morino



Expiry date 14 April 2024

Deputy Manager
Amanda Payne



Ente Certificazione Macchine Srl

Via Ca' Bella, 243 – Loc. Castello di Serravalle – 40053 Valsamoggia (BO) – ITALY
☎ +39 051 6705141 📠 +39 051 6705156 ✉ info@entecerma.it 🌐 www.entecerma.it



Chongqing Chuanyi
Flowmeter Branch

Form QAT_10-M05, version 00, effective since March 25th, 2020

Certificate of Compliance

No. 3B200427.CCAQU03



Certificate's
Holder:

Chongqing Chuanyi Automation Co.,
Ltd. Flowmeter Branch
No. 61, Middle Section, Huangshan Ave., Yubei
District, Chongqing, China

Certification ECM
Mark:



Product:
Model(s):

Vortex flowmeter
VF series (VFD, VFE)

Verification to:

Standard:
EN 61326-1:2013, EN 61010-1:2010

related to CE Directive(s):
2014/35/EU (Low Voltage)
2014/30/EU (Electromagnetic Compatibility)

Remark: This document has been issued on a voluntary basis and upon request of the manufacturer. It is our opinion that the technical documentation received from the manufacturer is satisfactory for the requirements of the ECM Certification Mark. The conformity mark above can be affixed on the products accordingly to the ECM regulation about its release and its use.

Additional information and clarification about the Marking:



The manufacturer is responsible for the CE Marking process, and if necessary, must refer to a Notified Body. This document has been issued on the basis of the regulation on ECM Voluntary Mark for the certification of products. RG01_ECM rev.3 available at: www.entecerma.it

Issuance date: 27 April 2020

Expiry date: 26 April 2025

Reviewer
Technical expert
Amanda Payne



Approver
ECM Service Director
Luca Bedonni



Ente Certificazione Macchine Srl

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شهادة – Certificate – 증명서 – 證明書 – Сертификат – Certificate – 證明書



ЕВРАЗИЙСКИЙ ЭКОНОМИЧЕСКИЙ СОЮЗ ДЕКЛАРАЦИЯ О СООТВЕТСТВИИ

Заявитель Товарищество с ограниченной ответственностью "Albery group",
бизнес-идентификационный номер 050740003226

Место нахождения: 120014, Казахстан, город Кызылорда, улица Ауэзова, дом 20, квартира 33

Телефон: +77242234313 Адрес электронной почты: a.mustafin@scs-group.kz

в лице Генерального директора Ануара Мустафина

заявляет, что Приборы электроизмерительные: электромагнитный расходомер, торговая марка:
"CHUANYI", модели: MFE, MFC, MFD

Изготовитель "Chongqing Chuanyi Automation Co., Ltd. Flowmeter Branch"

Место нахождения: Китай, No. 61, Middle Section, Huangshan Ave., Yubei District, Chongqing, China

Продукция изготовлена в соответствии с Директивой 2014/30/EU "О электромагнитной совместимости"

Код (коды) ТН ВЭД ЕАЭС: 9026

Серийный выпуск

соответствует требованиям

Технического регламента Таможенного союза "Электромагнитная совместимость технических средств"
(ТР ТС 020/2011)

Декларация о соответствии принята на основании

протокола испытаний № 19/01624 от 21.05.2019 года Испытательной лаборатории общества с
ограниченной ответственностью "Емтгарант", регистрационный номер аттестата аккредитации РОСС
RU.31218.ИЛ.00009

Схема декларирования соответствия: 1д

Дополнительная информация

Условия и сроки хранения стандартные при нормальных значениях климатических факторов внешней
среды. Срок службы (годности) указан в эксплуатационной документации. Обозначения и
наименования стандартов, включенных в перечни стандартов, в результате применения которых на
добровольной основе обеспечивается соблюдение требований ТР ТС 020/2011 "Электромагнитная
совместимость технических средств": подразделы 6.2 и 7.2 ГОСТ Р 51522.1-2011 (МЭК 61326-1:2005)
"Совместимость технических средств электромагнитная. Электрическое оборудование для измерения,
управления и лабораторного применения. Часть 1. Общие требования и методы испытаний".

Декларация о соответствии действительна с даты регистрации по 20.05.2024 включительно.

(подпись)

М.П.

Ануар Мустафин

(Ф.И.О. заявителя)

Регистрационный номер декларации о соответствии: ЕАЭС N RU Д-CN.АБ88.В.02488/19

Дата регистрации декларации о соответствии: 21.05.2019



ISSUE DATE: January 15, 2018

CERTIFICATE AUTHORIZATION NUMBER: 3631



THIS IS TO CERTIFY THAT

Chongqing Chuanyi Automation Co., Ltd. Flowmeter Branch
No. 61 Huangshan Ave., New North Zone, Chongqing , China

is hereby authorized to continue to apply the
3-A Symbol to the models of equipment, conforming to 3-A Sanitary Standards for:

Number 28-05
28-05 (Flow Meters)

set forth below

CIP Models: Electromagnetic Flow Meters Series MFE-S in sizes DN15-DN300, with NPU Liner (6) or PFA Liner(A), with either weld type adapter flange (1) or clamp type (2), and 304 SS flange and sensor housing;
Electromagnetic Water Meter Series MFB in sizes DN40-DN300, with 304SS sensor housing and flange (2), with either weld type adapter flange (1) or clamp type (2), with NPU Liner

VALID THROUGH: **December 31, 2019**

Timothy R. Rugh
Executive Director
3-A Sanitary Standards, Inc.

The issuance of this authorization for the use of the 3-A Symbol is based upon the voluntary certification, by the applicant for it, that the equipment listed above complies fully with the 3-A Sanitary Standard(s) designated. Legal responsibility for compliance is solely that of the holder of this Certificate of Authorization, and 3-A Sanitary Standards, Inc. does not warrant that the holder of an authorization at all times complies with the provisions of the said 3-A Sanitary Standards. This in no way affects the responsibility of 3-A Sanitary Standards, Inc. to take appropriate action in such cases in which evidence of nonconformance has been established.

NEXT TPV INSPECTION/REPORT DUE: **December 2022**



防 爆 合 格 证

证 号: GYB17.1945X

由 重庆川仪自动化股份有限公司流量仪表分公司

制造的产品:

(地址: 重庆市北部新区黄山大道川仪工业园区)

名 称 电磁流量计

型 号 规 格 MFE-S系列

防 爆 标 志 Ex ia/d e II C T4~T6 Ga/Gb

产 品 标 准 JB/T 9248-2015

图 样 编 号 FCN1.131.231~549/ FCN1.130.401~549

经图样及技术文件的审查和样品检验, 确认上述产品
符合 GB 3836.1-2010、GB 3836.2-2010、GB 3836.3-2010、标准,
GB 3836.4-2010、GB 3836.20-2010
特颁发此证。

本证书有效期: 2017年11月13日至2022年11月12日

- 备 注
1. 安全使用注意事项见本证书附件。
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再认证日期: 2017年11月16日
本次发证日期: 2019年11月15日
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再认证日期: 2018年12月21日
本次发证日期: 2019年11月15日
证书有效期至: 2021年03月11日

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