



Coriolis Mass Flow Meter



Tosilon Automation

Your Global Partner for Custody Transfer Metering

10/F Xi'an Foreign Trade Building No. 68,
Middle Sector South Huancheng Road Xi'an China

+86 029 8823 8550, +86 153 9807 6422

info@tosilon.com; yan.ding@tosilon.com

www.tosilon.com | Tosilon Automation

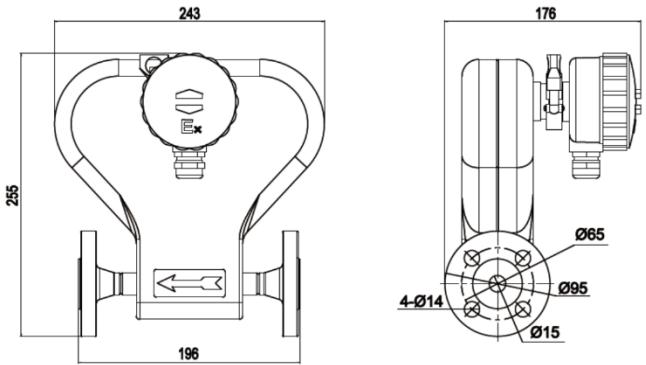
Main Parameter

Model	Size	Max. Flow	Std. Pressure Rating	Accuracy Class	Zero Stability (kg/h)
CG-03	3 mm	6 kg/min	4 MPa	0.10, 0.15, 0.20	0.01
CG-06	6 mm	20 kg/min	4 MPa	0.10, 0.15, 0.20	0.028
CG-15	15 mm	50 kg/min	25 MPa	0.10, 0.15, 0.20	0.09
CNG-15	15 mm	70 kg/min	25 MPa	0.10, 0.15, 0.20	0.09
CNG-20	20 mm	120 kg/min	25 MPa	0.10, 0.15, 0.20	0.23
CG-25	25 mm	200 kg/min	4 MPa	0.10, 0.15, 0.20	0.23
CG-40	40 mm	500 kg/min	4 MPa	0.10, 0.15, 0.20	0.70
CG-50	50 mm	1000 kg/min	4 MPa	0.10, 0.15, 0.20	0.93
CG-80	80 mm	3000 kg/min	4 MPa	0.10, 0.15, 0.20	2.92
CG-100	100 mm	5000 kg/min	4 MPa	0.10, 0.15, 0.20	9.0
CG-150	150 mm	600,000 kg/h	4 MPa	0.10, 0.15, 0.20	15.0
CG-200	200 mm	1,200,000 kg/h	4 MPa	0.10, 0.15, 0.20	42.0
CG-250	250 mm	2,500,000 kg/h	4 MPa	0.10, 0.15, 0.20	67.0

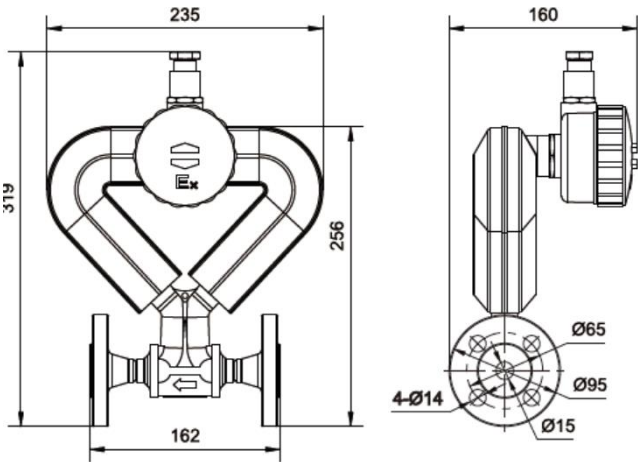
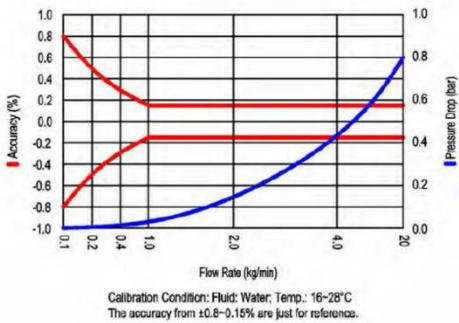


Technical Parameters

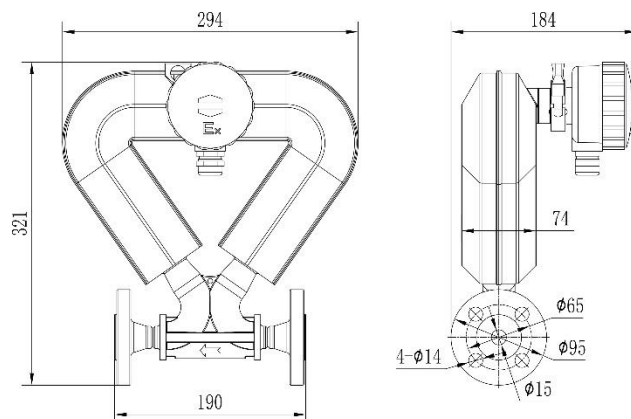
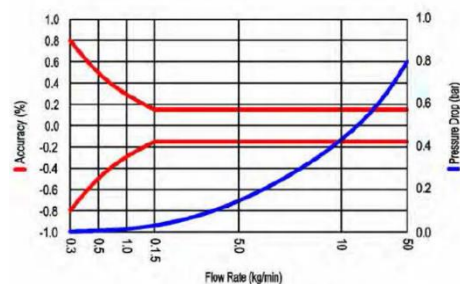
Model	CG-03
Certification	CE, ATEX
Nominal Diameter	3 mm
Max. Flow Rate (kg/min)	6.0
Accuracy (Liquid)	±0.10%; ±0.15; ±0.20; ±0.50
Temp. Accuracy	±1.0 °C ±0.5 of reading
Density Accuracy	±0.001 g/cm3 (liquid)
Zero Stability	0.01 kg/h
Repeatability	±0.05%
Std. Pressure Rating	4.0 MPa
Fluid Temperature	-70~160 Deg. C; -200~60 Deg. C; -40~300 Deg. C
Ambient Temperature	-40 to 60 Deg. C
Vibrating Tube Material	AISI 316L
Process Connection	DIN2635 PN40 DN15
Output	4-20mA, Pulse via Modbus RTU RS485 or HART
Power Supply	DC12-24V; AC85-265V
Protection Class	IP67
Ex-Mark	 II 2G Ex db IIC T6...T1 Gb
Warranty	2 years



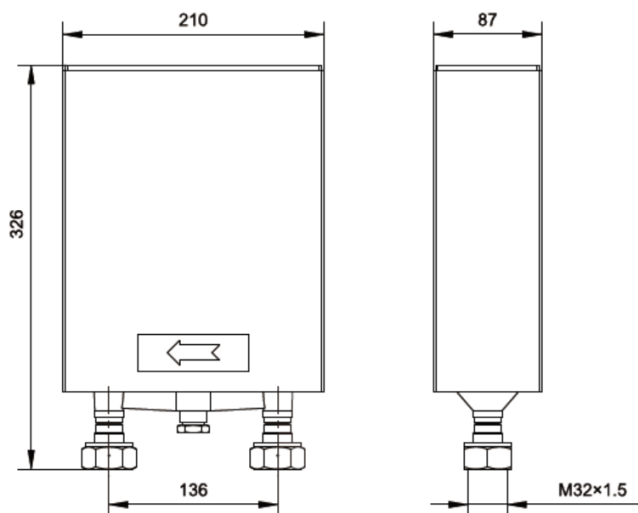
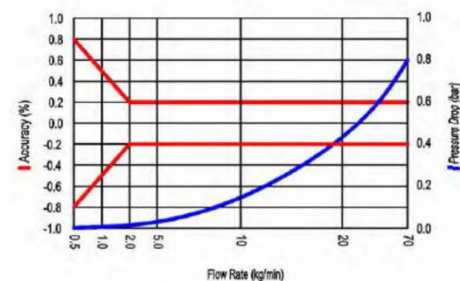
Model	CG-06
Certification	CE, ATEX
Nominal Diameter	6 mm
Max. Flow Rate (kg/min)	20
Accuracy (Liquid)	±0.10%; ±0.15; ±0.20; ±0.50
Temp. Accuracy	±1.0 °C ±0.5 of reading
Density Accuracy	±0.001 g/cm3 (liquid)
Zero Stability	0.0285 kg/h
Repeatability	±0.05%
Std. Pressure Rating	4.0 MPa
Fluid Temperature	-70~160 Deg. C; -200~60 Deg. C; -40~300 Deg. C
Ambient Temperature	-40 to 60 Deg. C
Vibrating Tube Material	AISI 316L
Process Connection	DIN2635 PN40 DN15
Output	4-20mA, Pulse via Modbus RTU RS485 or HART
Power Supply	DC12-24V; AC85-265V
Protection Class	IP67
Ex-Mark	 II 2G Ex db IIC T6...T1 Gb
Warranty	2 years
Package Size (cm)	53*32*25
Gross Weight (kg)	8.6



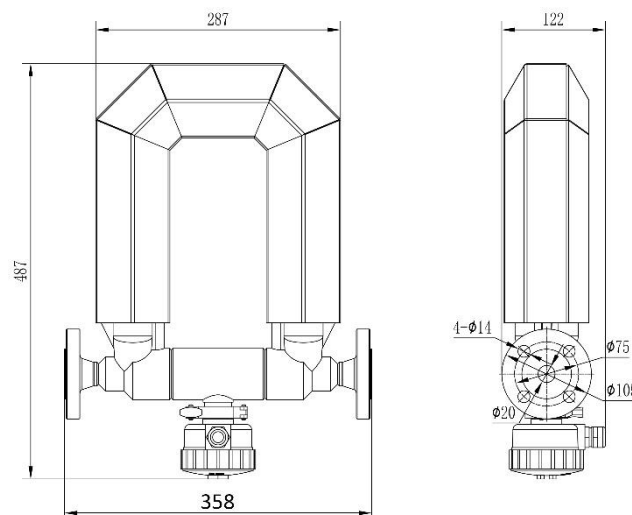
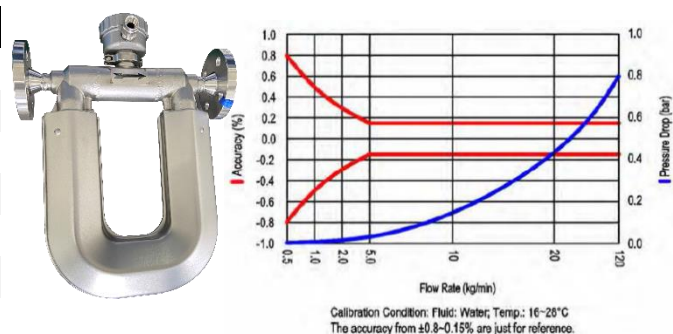
Model	CG-15
Certification	CE, ATEX
Nominal Diameter	15 mm
Max. Flow Rate (kg/min)	50
Accuracy (Liquid)	±0.10%; ±0.15; ±0.20; ±0.50
Temp. Accuracy	±1.0 °C ±0.5 of reading
Density Accuracy	±0.001 g/cm3 (liquid)
Zero Stability	0.09 kg/h
Repeatability	±0.05%
Std. Pressure Rating	4MPa / 25.0 MPa
Fluid Temperature	-70~160 Deg. C; -200~60 Deg. C; -40~300 Deg. C
Ambient Temperature	-40 to 60 Deg. C
Vibrating Tube Material	AISI 316L
Process Connection	DIN2635 PN40 DN15
Output	4-20mA, Pulse via Modbus RTU RS485 or HART
Power Supply	DC12-24V; AC85-265V
Protection Class	IP67
Ex-Mark	II 2G Ex db IIC T6...T1 Gb
Warranty	2 years
Package Size (cm)	58*35*25
Gross Weight (kg)	12



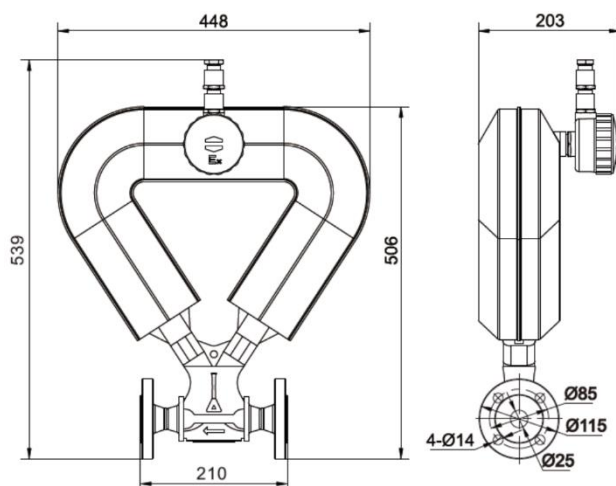
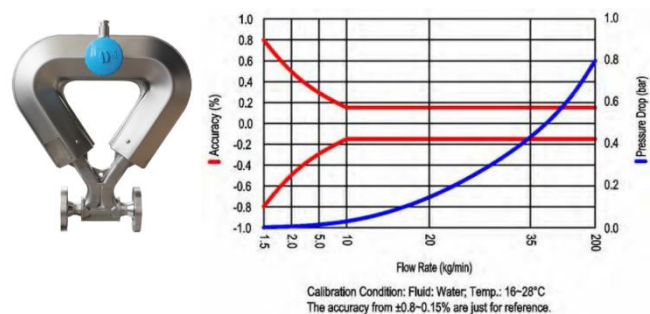
Model	CNG-15
Certification	CE, ATEX
Nominal Diameter	15 mm
Max. Flow Rate (kg/min)	70
Accuracy (Liquid)	±0.10%; ±0.15; ±0.20; ±0.50
Temp. Accuracy	±1.0 °C ±0.5 of reading
Density Accuracy	±0.001 g/cm3 (liquid)
Zero Stability	0.09 kg/h
Repeatability	±0.05%
Std. Pressure Rating	25.0 MPa
Fluid Temperature	-70~160 Deg. C; -200~60 Deg. C; -40~300 Deg. C
Ambient Temperature	-40 to 60 Deg. C
Vibrating Tube Material	AISI 316L
Process Connection	M32×1.5 or 1 1/4-18 UNEF thread (female)
Output	4-20mA, Pulse via Modbus RTU RS485 or HART
Power Supply	DC12-24V; AC85-265V
Protection Class	IP67
Ex-Mark	II 2G Ex db IIC T6...T1 Gb
Warranty	2 years
Package Size (cm)	58*35*25
Gross Weight (kg)	14



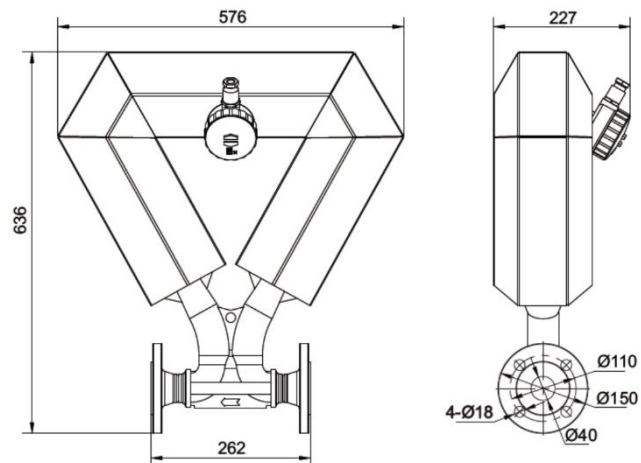
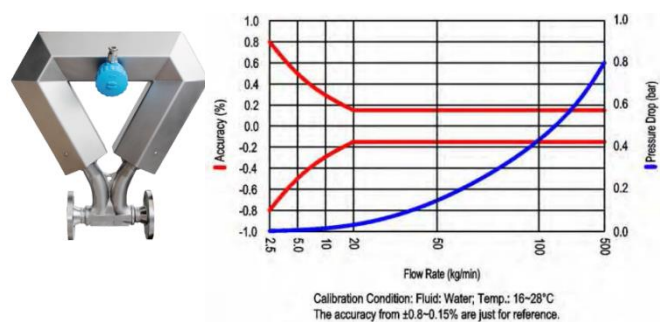
Model	CG-20
Certification	ATEX
Nominal Diameter	20 mm
Max. Flow Rate (kg/min)	120
Accuracy (Liquid)	±0.10%; ±0.15; ±0.20; ±0.50
Temp. Accuracy	±1.0 °C ±0.5 of reading
Density Accuracy	±0.001 g/cm3 (liquid)
Zero Stability	0.23 kg/h
Repeatability	±0.05%
Std. Pressure Rating	25.0 MPa
Fluid Temperature	-70~160 Deg. C; -200~60 Deg. C; -40~300 Deg. C
Ambient Temperature	-40 to 60 Deg. C
Vibrating Tube Material	AISI 316L
Process Connection	DIN2635 PN40 DN20
Output	4-20mA, Pulse via Modbus RTU RS485 or HART
Power Supply	DC12-24V; AC85-265V
Protection Class	IP67
Ex-Mark	II 2G Ex db IIC T6...T1 Gb
Warranty	2 years
Package Size (cm)	70*42*21
Gross Weight (kg)	21



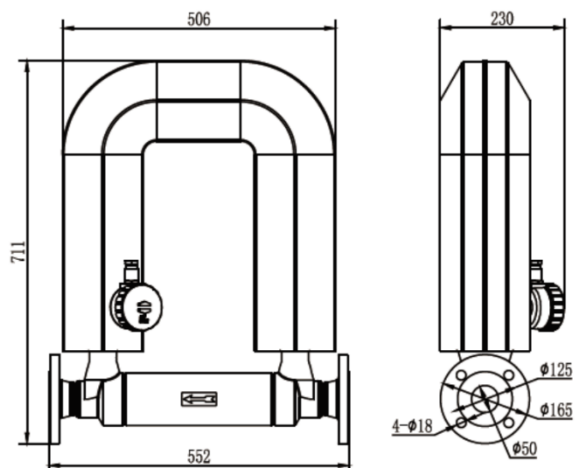
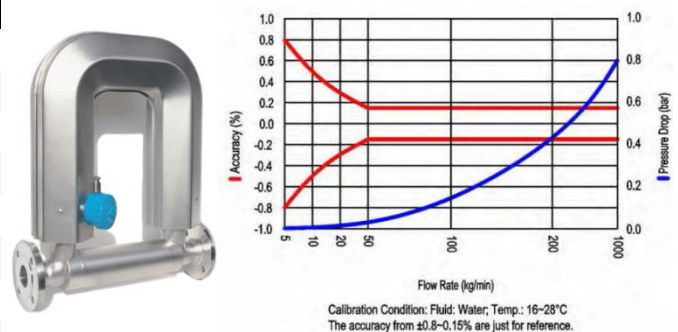
Model	CG-25
Certification	CE, ATEX
Nominal Diameter	25 mm
Max. Flow Rate (kg/min)	200
Accuracy (Liquid)	±0.10%; ±0.15; ±0.20; ±0.50
Temp. Accuracy	±1.0 °C ±0.5 of reading
Density Accuracy	±0.001 g/cm3 (liquid)
Zero Stability	0.23 kg/h
Repeatability	±0.05%
Std. Pressure Rating	4.0 MPa
Fluid Temperature	-70~160 Deg. C; -200~60 Deg. C; -40~300 Deg. C
Ambient Temperature	-40 to 60 Deg. C
Vibrating Tube Material	AISI 316L
Process Connection	DIN2635 PN40 DN25
Output	4-20mA, Pulse via Modbus RTU RS485 or HART
Power Supply	DC12-24V; AC85-265V
Protection Class	IP67
Ex-Mark	II 2G Ex db IIC T6...T1 Gb
Warranty	2 years
Package Size (cm)	67*67*32
Gross Weight (kg)	23



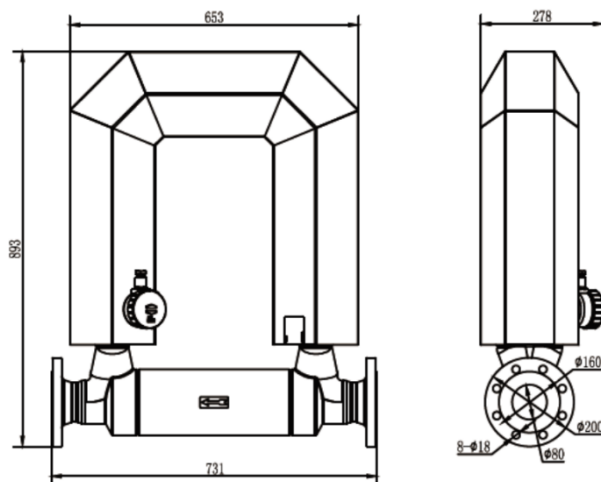
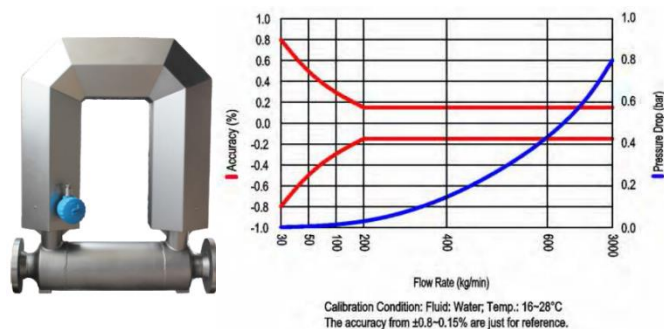
Model	CG-40
Certification	CE, ATEX
Nominal Diameter	40 mm
Max. Flow Rate (kg/min)	500
Accuracy (Liquid)	±0.10%; ±0.15; ±0.20; ±0.50
Temp. Accuracy	±1.0 °C ±0.5 of reading
Density Accuracy	±0.001 g/cm ³ (liquid)
Zero Stability	0.70 kg/h
Repeatability	±0.05%
Std. Pressure Rating	4.0 MPa
Fluid Temperature	-70~160 Deg. C; -200~60 Deg. C; -40~300 Deg. C
Ambient Temperature	-40 to 60 Deg. C
Vibrating Tube Material	AISI 316L
Process Connection	DIN2635 PN40 DN40
Output	4-20mA, Pulse via Modbus RTU RS485 or HART
Power Supply	DC12-24V; AC85-265V
Protection Class	IP67
Ex-Mark	II 2G Ex db IIC T6...T1 Gb
Warranty	2 years
Package Size (cm)	80*74*43
Gross Weight (kg)	45



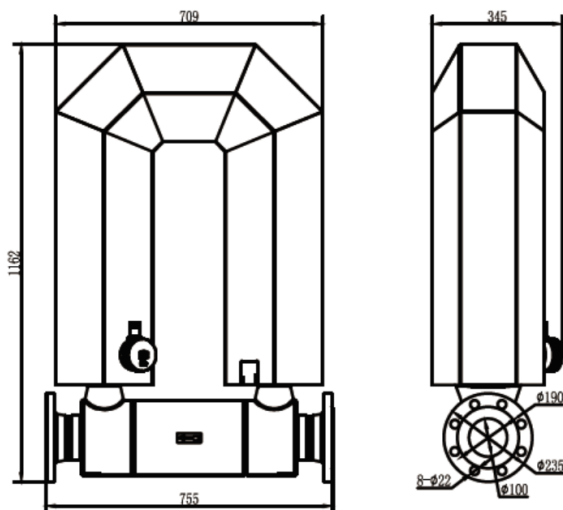
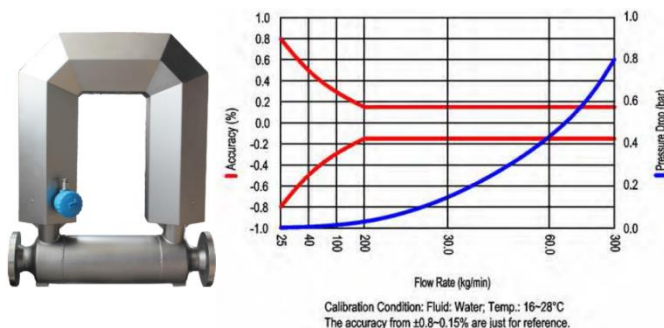
Model	CG-50
Certification	CE, ATEX
Nominal Diameter	50 mm
Max. Flow Rate (kg/min)	1000
Accuracy (Liquid)	±0.10%; ±0.15; ±0.20; ±0.50
Temp. Accuracy	±1.0 °C ±0.5 of reading
Density Accuracy	±0.001 g/cm ³ (liquid)
Zero Stability	0.93 kg/h
Repeatability	±0.05%
Std. Pressure Rating	4.0 MPa
Fluid Temperature	-70~160 Deg. C; -200~60 Deg. C; -40~300 Deg. C
Ambient Temperature	-40 to 60 Deg. C
Vibrating Tube Material	AISI 316L
Process Connection	DIN2635 PN40 DN50
Output	4-20mA, Pulse via Modbus RTU RS485 or HART
Power Supply	DC12-24V; AC85-265V
Protection Class	IP67
Ex-Mark	II 2G Ex db IIC T6...T1 Gb
Warranty	2 years
Package Size (cm)	87*72*43
Gross Weight (kg)	60



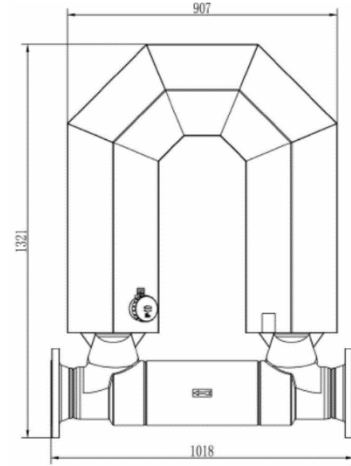
Model	CG-80
Certification	CE, ATEX
Nominal Diameter	80 mm
Max. Flow Rate (kg/min)	3000
Accuracy (Liquid)	±0.10%; ±0.15; ±0.20; ±0.50
Temp. Accuracy	±1.0 °C ±0.5 of reading
Density Accuracy	±0.001 g/cm3 (liquid)
Zero Stability	2.92 kg/h
Repeatability	±0.05%
Std. Pressure Rating	4.0 MPa
Fluid Temperature	-70~160 Deg. C; -200~60 Deg. C; -40~300 Deg. C
Ambient Temperature	-40 to 60 Deg. C
Vibrating Tube Material	AISI 316L
Process Connection	DIN2635 PN40 DN80
Output	4-20mA, Pulse via Modbus RTU RS485 or HART
Power Supply	DC12-24V; AC85-265V
Protection Class	IP67
Ex-Mark	Ex II 2G Ex db IIC T6...T1 Gb
Warranty	2 years
Package Size (cm)	106*90*48
Gross Weight (kg)	114



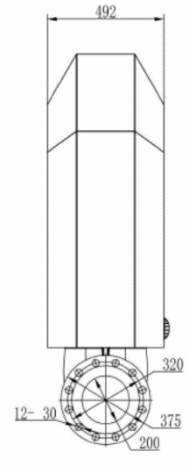
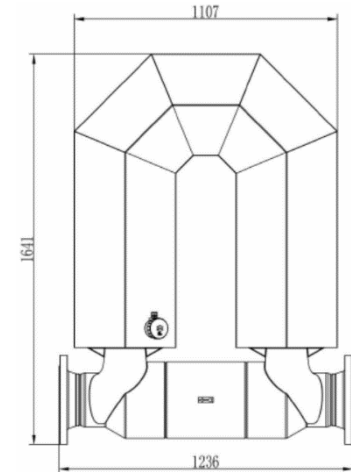
Model	CG-100
Certification	CE, ATEX
Nominal Diameter	100 mm
Max. Flow Rate (kg/min)	5000
Accuracy (Liquid)	±0.10%; ±0.15; ±0.20; ±0.50
Temp. Accuracy	±1.0 °C ±0.5 of reading
Density Accuracy	±0.001 g/cm3 (liquid)
Zero Stability	9.0 kg/h
Repeatability	±0.05%
Std. Pressure Rating	4.0 MPa
Fluid Temperature	-70~160 Deg. C; -200~60 Deg. C; -40~300 Deg. C
Ambient Temperature	-40 to 60 Deg. C
Vibrating Tube Material	AISI 316L
Process Connection	DIN2635 PN40 DN100
Output	4-20mA, Pulse via Modbus RTU RS485 or HART
Power Supply	DC12-24V; AC85-265V
Protection Class	IP67
Ex-Mark	Ex II 2G Ex db IIC T6...T1 Gb
Warranty	2 years
Package Size (cm)	157*86*45
Gross Weight (kg)	200



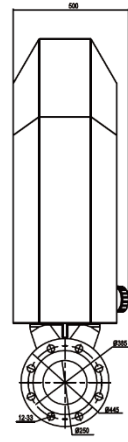
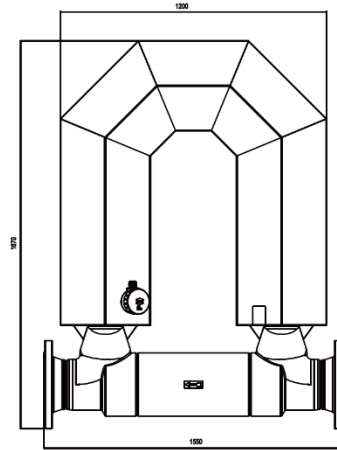
Model	CG-150
Certification	CE, ATEX
Nominal Diameter	150 mm
Max. Flow Rate (kg/min)	10,000.00
Accuracy (Liquid)	±0.15; ±0.20; ±0.50
Temp. Accuracy	±1.0 °C ±0.5 of reading
Density Accuracy	±0.001 g/cm3 (liquid)
Zero Stability	15.0 kg/h
Repeatability	±0.075%
Std. Pressure Rating	4.0 MPa
Fluid Temperature	-70~160 Deg. C; -200~60 Deg. C; -40~300 Deg. C
Ambient Temperature	-40 to 60 Deg. C
Vibrating Tube Material	AISI 316L
Process Connection	DIN2635 PN40 DN150
Output	4-20mA, Pulse via Modbus RTU RS485 or HART
Power Supply	DC12-24V; AC85-265V
Protection Class	IP67
Ex-Mark	II 2G Ex db IIC T6...T1 Gb



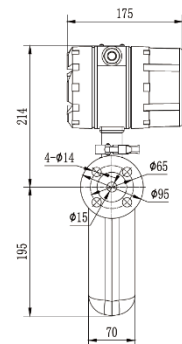
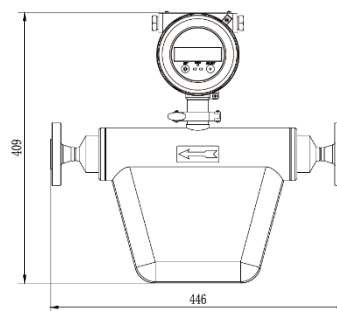
Model	CG-200
Certification	CE, ATEX
Nominal Diameter	200 mm
Max. Flow Rate (kg/min)	20,000.00
Accuracy (Liquid)	±0.15; ±0.20; ±0.50
Temp. Accuracy	±1.0 °C ±0.5 of reading
Density Accuracy	±0.001 g/cm3 (liquid)
Zero Stability	42.0 kg/h
Repeatability	±0.075%
Std. Pressure Rating	4.0 MPa
Fluid Temperature	-70~160 Deg. C; -200~60 Deg. C; -40~300 Deg. C
Ambient Temperature	-40 to 60 Deg. C
Vibrating Tube Material	AISI 316L
Process Connection	DIN2635 PN40 DN200
Output	4-20mA, Pulse via Modbus RTU RS485 or HART
Power Supply	DC12-24V; AC85-265V
Protection Class	IP67
Ex-Mark	II 2G Ex db IIC T6...T1 Gb



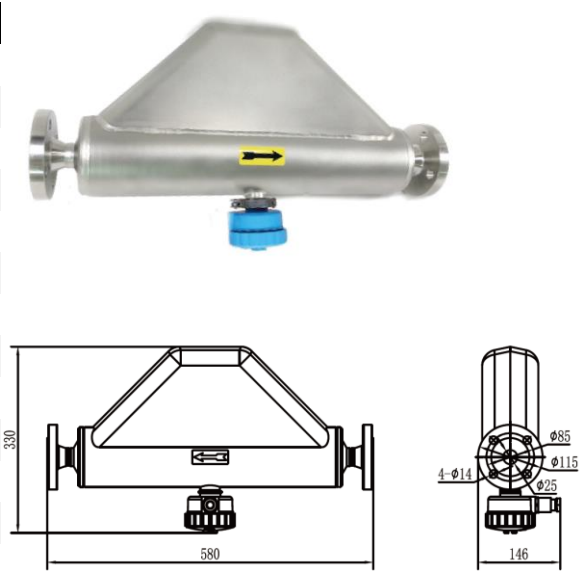
Model	CG-250
Certification	CE, ATEX
Nominal Diameter	250 mm
Max. Flow Rate	2,500,000.00 kg/h
Accuracy (Liquid)	±0.15; ±0.20; ±0.50
Temp. Accuracy	±1.0 °C ±0.5 of reading
Density Accuracy	±0.001 g/cm3 (liquid)
Zero Stability	67.0 kg/h
Repeatability	±0.075%
Std. Pressure Rating	4.0 MPa
Fluid Temperature	-70~160 Deg. C; -200~60 Deg. C; -40~300 Deg. C
Ambient Temperature	-40 to 60 Deg. C
Vibrating Tube Material	AISI 316L
Process Connection	DIN2635 PN40 DN250
Output	4-20mA, Pulse via Modbus RTU RS485 or HART
Power Supply	DC12-24V; AC85-265V
Protection Class	IP67
Ex-Mark	 II 2G Ex db IIC T6...T1 Gb



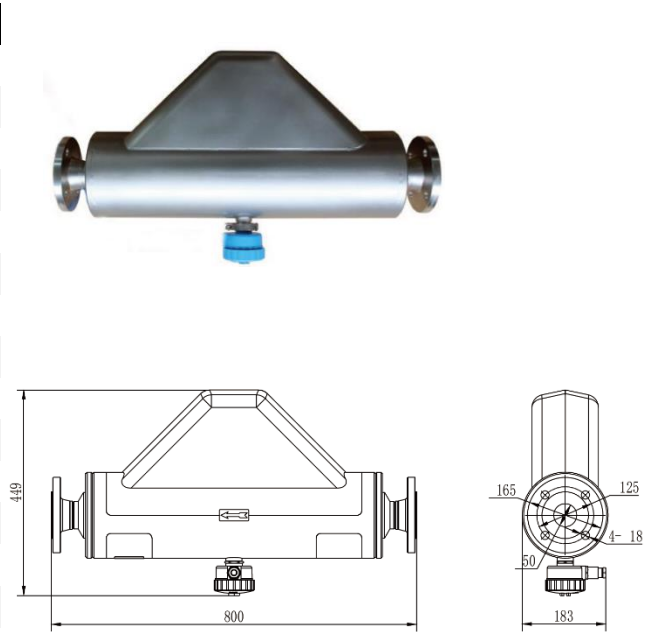
Model	CG-15W
Certification	ATEX
Nominal Diameter	15 mm
Max. Flow Rate (kg/min)	50
Accuracy (Liquid)	±0.20%
Temp. Accuracy	±1.0 °C ±0.5 of reading
Density Accuracy	±0.001 g/cm3 (liquid)
Zero Stability	0.09 kg/h
Repeatability	±0.10%
Std. Pressure Rating	4.0 MPa / 25.0 MPa
Fluid Temperature	-70~160 Deg. C; -200~60 Deg. C; -40~300 Deg. C
Ambient Temperature	-40 to 60 Deg. C
Vibrating Tube Material	AISI 316L / Hastelloy-C Alloy
Process Connection	M32*1.5 or 1 1/4-18 UNEF thread (female)
Output	4-20mA, Pulse via Modbus RTU RS485 or HART
Power Supply	DC12-24V; AC85-265V
Protection Class	IP67
Ex-Mark	 II 2G Ex db IIC T6...T1 Gb
Warranty	2 years
Package Size (cm)	65*42*22
Gross Weight (kg)	20



Model	CG-25W
Certification	ATEX
Nominal Diameter	25 mm
Max. Flow Rate (kg/min)	200
Accuracy (Liquid)	±0.20%
Temp. Accuracy	±1.0 °C ±0.5 of reading
Density Accuracy	±0.001 g/cm3 (liquid)
Zero Stability	0.23 kg/h
Repeatability	±0.10%
Std. Pressure Rating	4.0 MPa
Fluid Temperature	-70~160 Deg. C; -200~60 Deg. C; -40~300 Deg. C
Ambient Temperature	-40 to 60 Deg. C
Vibrating Tube Material	AISI 316L / Hastelloy-C Alloy
Process Connection	DIN2635 PN40 DN25
Output	4-20mA, Pulse via Modbus RTU RS485 or HART
Power Supply	DC12-24V; AC85-265V
Protection Class	IP67
Ex-Mark	Ex II 2G Ex db IIC T6...T1 Gb
Warranty	2 years
Package Size (cm)	65*42*22
Gross Weight (kg)	20



Model	CG-50W
Certification	ATEX
Nominal Diameter	50 mm
Max. Flow Rate (kg/min)	1000
Accuracy (Liquid)	±0.20%
Temp. Accuracy	±1.0 °C ±0.5 of reading
Density Accuracy	±0.001 g/cm3 (liquid)
Zero Stability	0.93 kg/h
Repeatability	±0.10%
Std. Pressure Rating	4.0 MPa
Fluid Temperature	-70~160 Deg. C; -200~60 Deg. C; -40~300 Deg. C
Ambient Temperature	-40 to 60 Deg. C
Vibrating Tube Material	AISI 316L / Hastelloy-C Alloy
Process Connection	DIN2635 PN40 DN50
Output	4-20mA, Pulse via Modbus RTU RS485 or HART
Power Supply	DC12-24V; AC85-265V
Protection Class	IP67
Ex-Mark	Ex II 2G Ex db IIC T6...T1 Gb
Warranty	2 years
Package Size (cm)	65*42*22
Gross Weight (kg)	20



Model	F-231
Operation Temperature	-30 to 70 Deg. C
RH	≤95%, non-condensing
Atmospheric Pressure	86-106 kPa
Output	4-20mA, Pule, via Modbus RTU RS485 or HART
Power Supply	AC85-265V; DN12-24V
Ex-Mark	II 2G Ex db [ib] IIC T6...T1 Gb

