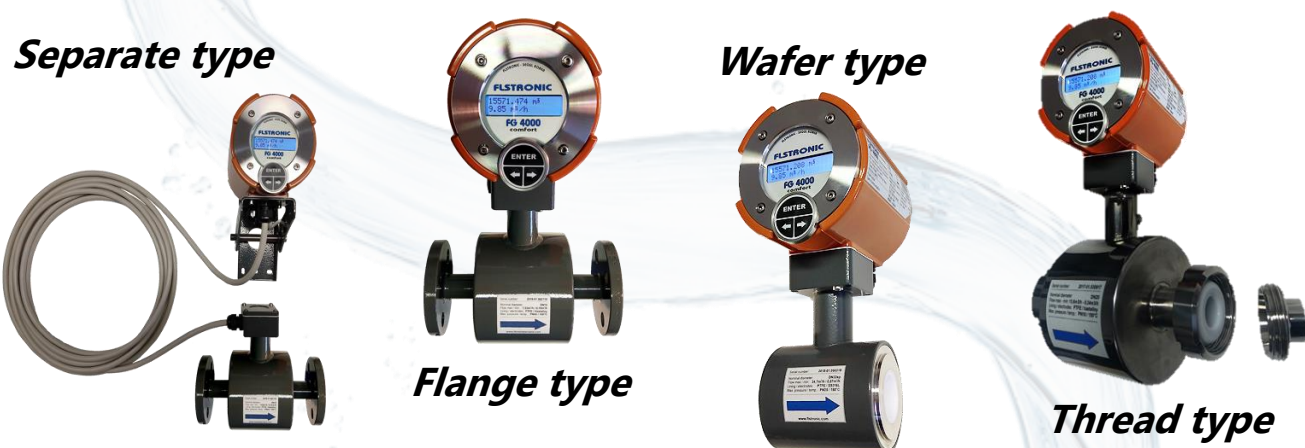


The FG4000 electromagnetic flow meters is primarily designed for a wide range of industrial applications. Flow is determined on the electromagnetic induction principle that allows measuring it without any mechanical parts in the metering profile, which results in virtually no pressure drop. The FG4000 flow meter is a highly reliably instrument that offers accurate flow measurement in liquids at long-term stability. This flow meter further features a wide flow range while maintaining measurement accuracy with fast response to flow fluctuations. An alphanumeric display and three membrane keys provide comfortable operation. Finally, accent is put on design user-friendliness, such as easy access to the connectors.

The flowmeter consists of two main parts, a measuring unit and a flow sensor. The FG4000 flow meter advanced industrial design satisfies stringent requirements for mechanical as well as chemical resistance thus allowing to use the instrument under most rigorous conditions. Integration of flowmeters into third-party extension systems, such as control, visualization and other systems, is enabled by standard pulse or analogue outputs. For a more sophisticated systems, the communication interface with open MeterBUS, RS485 (ModBUS, BitBUS, ASCII, simple), RS232 (ModBUS, Simple) protocols is determined. The flowmeter can be equipped with an empty pipe detection function. This function is for cases where the permanent flooding requirement of the sensor can not be met.



FG4000 Series Common Specification

Accuracy	Pulse output 1
$\pm 0.5 \%$	In range $0.0001 \sim 1600 \text{ p/dm}^3$
Measure unit	Pulse output 2
Comfort / Separate type	state – signalization of the negative flow
Measuring range	Communication modules
$1 : 40 (\pm 0.5\% \text{ for MPE standard})$	RS485, RS422, RS232, M-bus, ... (Option)
Minimum Liquid conductivity	Communication protocols
$> 5 \mu\text{S/cm}$ – common liquids	Simple, Modbus, Bitbus, ASCII, M-bus
Power supply	Analogue outputs
AC 230V 50-60Hz / AC 120V, DC24V (Option)	4-20mA / 0-10V (Option)

The F (flanged) flowtube meter is the FG4000 flow meter's standard design. You can choose a rubber or Teflon liner and from several sensing electrode materials (316L grade stainless steel, Hastelloy C, titanium, tantalum,...) to match your application's requirements.

Basic rubber liners are suitable for applications to measure flow in common liquids such as wastewater or water for firefighting or cooling purposes in various industrial processes, and similar liquids. Teflon liners provide high chemical and thermal resistance as well as health safety. They are thus suitable for applications in chemical, dairy, food processing and other industries with similar requirements. They are commonly used to measure flow in drinking water, wine and related products, syrup, milk, whey, beer, and other food consumables. Besides other, they resist cleaning lyes or acids that are used in such applications daily.

Our flanged flowtubes are provided with an earthing electrode in factory while earthing rings can be included on request. This always guarantees flawless flow meter operation even for installations in plastic pipework. We further provide our flow meters with custom specified installation sets. Custom installation lengths and connectors (DIN 11851 threading for food industry, DIN 32676 clamp, etc.) may be specified.

FG 4000 Ser. **FLANGE TYPE**



- Self-diagnostics – instrument status indicated on display
- Monitoring of maximum flow reached within a time interval
- Bidirectional flow measurement (separate counter for each direction)
- Flow tube replaceability (each flow tube has its own calibration constants)
- Volumetric monitoring on up to 5 resettable flow rate totalizers (counters)
- Accessories – installation set (iron, stainless steel or made to customer specifications)
- Applicability in chemical and food industries as well as in potable water treatment (stainless steel flow tube)
- Operation setup (flow conversion coefficient, type of communication and its transmission rate, measuring dynamics, etc.) using membrane keys or application software

FG4000 Flange Type Specification

Flow tube Nominal Inner Diameter		
DN 25~600 (Rubber)	DN 10~350 (PTFE-teflon)	DN 300~600 (E-CTFE)
Flow tube Design		Nominal Pressure
Compact, Split – 4m cable (optionally up to 40m)		DIN, EN1092 - PN 10, 16, 25, 40
Electrodes		
316L grade stainless steel, Hastelloy C, Platinum, Tantalum, Titanium		
Flow tube Finish	Range for Measured Liquid	Ingress Protection Rating
Epoxy paint (RAL 7043)	0~150°C (PTFE) / 0~90°C (Rubber)	IP 67 / IP 68 (Option)

Inner Diameters

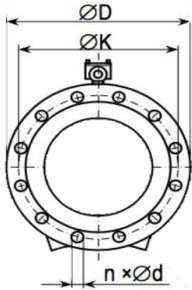
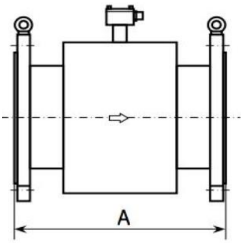
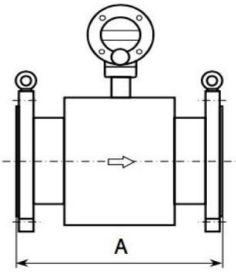
	DN (mm)	Q ₀ (m³/h)	Q ₁ (m³/h)	Q ₃ (m³/h)	k (Imp/dm³)
Flanged flow tubes : F ₁ with Teflon (PTFE) liners	10	0.01	0.08	3.39	1600
	15	0.02	0.19	7.63	700
	20	0.03	0.34	13.6	400
	25	0.04	0.53	21.2	200
	32	0.07	0.87	34.7	150
	40	0.11	1.36	54.3	100
	50	0.17	2.12	84.8	60
	65	0.29	3.58	143	35
	80	0.43	5.43	217	25
	100	0.68	8.48	339	15
	125	1.06	13.2	530	10
	150	1.53	19.1	763	7
	200	2.7	34.0	1360	4
	250	4.2	53.0	2120	2.5
	300	6.1	76.0	3050	1.6
	350	8.3	104	4160	1.25
Teflon (E-CTFE)	400	10.9	136	5431	1
	450	13.7	172	6867	0.75
	500	17.0	212	8480	0.5
	600	24.4	305	12200	0.4

※ Note :

- ❖ Q0 – Starting flow ❖ Q1 – Minimal flow ❖ Q3 – Maximal flow
- ❖ K – Maximal constant of flow conversion ❖ DN – Flow tube nominal inner diameter

Diameters and Mass of Flanged Sensors

DN	PN	A	Ø D	Ø K	n	Ø d	m [kg]
10	10, 16, 40	150 (200*)	90	60	4	14	4.5
15	10, 16, 40	150 (200*)	95	65	4	14	5
20	10, 16, 40	150 (200*)	105	75	4	14	6.5
25	10, 16, 40	150 (200*)	115	85	4	14	6.5
32	10, 16, 40	150 (200*)	140	100	4	18	7
40	10, 16, 40	150 (200*)	150	110	4	18	7
50	10, 16, 40	200	165	125	4	18	8.5
65	10, 16	200	185	160	8	18	12.5
	40	200	185	145	4	18	12.5
80	10, 16	200	200	160	8	18	12.5
	40	200	200	160	8	18	12.5
100	10, 16	250	220	180	8	18	14
	40	250	235	180	8	22	16
125	10, 16	250	245	210	8	18	19
	40	250	270	220	8	26	21
150	10, 16	300	285	240	8	22	23
	40	300	300	240	8	22	23
200	10	350	340	295	8	22	39
	16	350	340	295	12	22	39
250	10	400	395	350	12	22	50
	16	400	405	355	12	26	55
300	10	500	445	400	12	22	68
	16	500	460	410	12	26	73
350	10	500	505	460	16	22	95
	16	500	520	470	16	26	110
400	10	600	565	515	16	26	115
	16	600	580	525	16	30	140
450	10	600	615	565	20	26	135
	16	600	640	585	20	30	155
500	10	600	670	620	20	27	135
	16	600	710	650	20	33	180
600	10	600	780	725	20	30	185
	16	600	840	770	20	36	200



*: DN10 – DN40 dimensions in parentheses are valid for a sensors with installed empty pipe detection.

터빈 유량계
디지털
터빈 유량계
액체
유량계
용전식
코리올리스
질량 유량계
액상용
질량 유량계
가스용
전자 유량계
유량계
조음파
블랙스
유량계
금속관면적
유량계
유리관면적
Aalborg
MFC, MFM
컨트롤러

These sensors are designed to be installed between flanges. The flowtubes are installed between two connecting flanges and tightened with bolts. They come in inner diameters from DN10 to DN150 while they have shorter installation lengths than the F (flanged) flowtubes with the same diameters. These flowtubes are only made with Teflon liner, and with a choice from several sensing electrode materials (316L stainless steel, Hastelloy C, titanium, tantalum,...). The maximum allowable pressure of these sensors is PN25.

All materials to be in contact with the medium under measurement are certified for permanent contact with drinking water (edibles) and hot utility water. Our flow meters are thus convenient for all kinds of food processing applications to measure flow of drinking water, wine and related products, milk, whey, beer, and other food consumables. Besides other, they resist cleaning lyes or acids that are used in such applications daily. They furthermore meet specific requirement in most chemical facilities.

FG 4000 Ser. *WAFER TYPE*



W-Type

- Self-diagnostics – instrument status indicated on display
- Monitoring of maximum flow reached within a time interval
- Bidirectional flow measurement (separate counter for each direction)
- Flow tube replaceability (each flow tube has its own calibration constants)
- Volumetric monitoring on up to 5 resettable flow rate totalizers (counters)
- Accessories – installation set (iron, stainless steel or made to customer specifications)
- Applicability in chemical and food industries as well as in potable water treatment (stainless steel flow tube)
- Operation setup (flow conversion coefficient, type of communication and its transmission rate, measuring dynamics, etc.) using membrane keys or application software

FG4000 Wafer Type Specification (W-type)

Flow tube Nominal Inner Diameter		Flow tube Liner
DN 10 ~ 150		PTFE - Teflon
Flow tube Design		Nominal Pressure
Compact, Split – 4m cable <i>(optionally up to 40m)</i>		PN 25
Electrodes		
316L grade (1,4571) stainless steel, Hastelloy C, Platinum, Tantalum, Titanium		
Flow tube Finish	Range for Measured Liquid	Ingress Protection Rating
Powder paint <i>(RAL 7043)</i>	0 ~ 150 °C <i>(PTFE)</i>	IP 67 / IP 68 (Option)

터빈 유량계
디지털
터빈 유량계
액체
유량계
유전식
유량계
정량 유량계
코리올리스
정량 유량계
가스용
전자 유량계
유량계
조음파
유량계
블록스
유량계
금속관면적
유량계
유리관면적
유량계
Aalborg
MFC, MFM
컨트롤러

The Wss (Wafer, stainless steel) flow meters have the same dimensions and parameters as the previous W-type flow meters. They too are designed to be installed between flanges. They are installed between two connecting flanges and tightened with bolts. Their flowtubes are only made with Teflon liner and with a choice from several sensing electrode materials (316L stainless steel, Hastelloy C, titanium, tantalum,...). The difference is only in the sensor housing that is made of stainless steel. Therefore, these sensors are more suitable for measuring chemically aggressive liquids and for installation in corrosive and otherwise demanding environments.

They are made with inner diameters from DN10 to DN100 are primarily designed for chemical and food processing applications. The components in installation sets are all made of stainless steel. Installation sets may equally be custom specified with respect to installation length and type of connection (DIN 11851 threading for food industry, DIN 32676 clamp, etc.) Earthing rings are also available if required. All materials to be in contact with the medium under measurement are certified for permanent contact with drinking water (edibles) and hot utility water. These flow meters are convenient to measure acid or alkaline solutions as well as various kinds of chemicals (lyes, acids, ammonia, hydrogen chloride, cleaning agents, ...).

FG 4000 Ser. *WAFER TYPE*

Wss-Type



- Self-diagnostics – instrument status indicated on display
- Monitoring of maximum flow reached within a time interval
- Bidirectional flow measurement (separate counter for each direction)
- Flow tube replaceability (each flow tube has its own calibration constants)
- Volumetric monitoring on up to 5 resettable flow rate totalizers (counters)
- Accessories – installation set (iron, stainless steel or made to customer specifications)
- Applicability in chemical and food industries as well as in potable water treatment (stainless steel flow tube)
- Operation setup (flow conversion coefficient, type of communication and its transmission rate, measuring dynamics, etc.) using membrane keys or application software

FG4000 Wafer Type Specification (Wss-type)

Flow tube Nominal Inner Diameter		Flow tube Liner
DN 10 ~ 100		PTFE - Teflon
Flow tube Design		Nominal Pressure
Compact, Split – 4m cable <i>(optionally up to 40m)</i>		PN 25
Electrodes		
316L grade (1,4571) stainless steel, Hastelloy C, Platinum, Tantalum, Titanium		
Flow tube Finish	Range for Measured Liquid	Ingress Protection Rating
Brushed stainless steel	0 ~ 150 °C <i>(PTFE)</i>	IP 67 / IP 68 (Option)

터빈 유량계
디지털
터빈 유량계
액체
유량계
유전식
정량 유량계
액상용
코리올리스
정량 유량계
가스용
전자 유량계
유량계
조음파
유량계
블록스
유량계
금속관면적
유량계
유리관면적
유량계
Aalborg
MFC, MFM
컨트롤러

Inner Diameters

Table with 6 columns: DN (mm), Q0 (m³/h), Q1 (m³/h), Q3 (m³/h), k (Imp/dm³). Rows include DN values from 10 to 150 and corresponding flow rate and conversion constant values.

※ Note :
❖ Q0 – Starting flow ❖ Q1 – Minimal flow ❖ Q3 – Maximal flow
❖ K – Maximal constant of flow conversion ❖ DN – Flow tube nominal inner diameter



flSTRONIC
Manufacturer of flow Meter

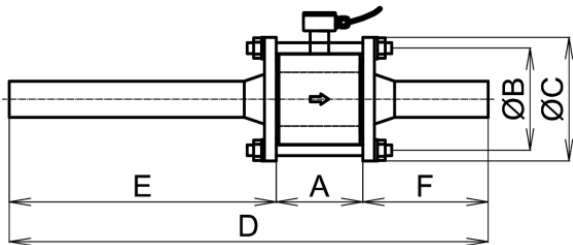
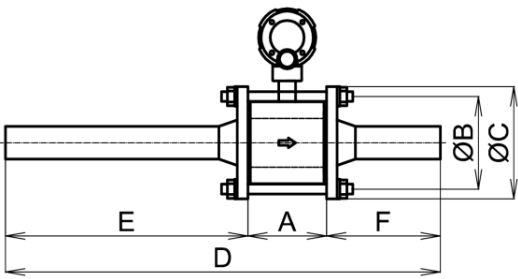
Republic of Korea, Seoul



터빈 유량계
디지털
터빈 유량계
액체
유량계
용전식
질량 유량계
액상용
코리올리스
질량 유량계
가스용
전자 유량계
유량계
초음파
유량계
블랙스
유량계
금속관면적
유량계
유리관면적
유량계
Aalborg
MFC, MFM
컨트롤러

Diameters and Mass of Flanged Sensors

DN	PN	A	Ø B	Ø C	D	E	F	Bolts	m [kg]
10	25	100 (66)	75	105	250	75	75	M12x170 4x	4.5
15	25	100 (66)	75	105	250	75	75	M12x170 4x	5
20	25	100 (66)	75	105	300	100	100	M12x170 4x	5
25	25	100	85	115	350	125	125	M12x170 4x	5.7
32	25	100	100	135	360	160	100	M16x175 4x	6.5
40	25	100	110	145	420	200	120	M16x175 4x	6.7
50	25	110 (108)	125	160	510	250	150	M16x175 4x	7.5
65	25	110	145	180	630	325	195	M16x195 4x	8.5
80	25	160 (163)	160	195	800	400	240	M16x195 8x	10.5
100	25	160 (162)	190	230	960	500	300	M20x245 8x	12.5
125	25	190	220	270	1190	625	375	M24x300 8x	14
150	25	190	250	300	1390	750	450	M24x300 8x	18



※ Note :

- ❖ DN – Inner diameter of the sensor
- ❖ PN – Maximum allowable pressure
- ❖ A – Length of the sensor
- ❖ ØC – Outside diameter of the installation flange
- ❖ ØB – Diameter of a pitch circle of a flange’s installation holes
- ❖ D – Whole length of the flow sensor with installation set
- ❖ E,F – Lengths of a calming pipes
- ❖ Bolts – Dimensions and number of fixing bolts
- ❖ M – Sensor weight

The G sensors are mounted into a pipeline by means a standard G pipe outer thread (BSPP ISO 228 / DIN 259). These sensors are primarily designed for a modernization of an existing installations, where an old mechanical water meters are still used. Its built-in lengths are based on a same ISO lengths as the water meters has. It means, that the replacing of an archaic water meter for a modern electromagnetic flow meter is simple and quick. No any changes of an existing pipeline. Just replacing of the old one to new one. The sensor covers could be made from a standard carbon steel with an epoxy painting finishing. Optionally it can be made from a stainless steel SS304 or SS316L, to meet hygienic requirements and requirements to operate in aggressive and humid environments.

For operations with particularly aggressive influences (high relative humidity, acidic or alkaline environment, high / low temperatures, ...), these sensors can be delivered in a separate design. In this case the transducer (flow meter display unit) is connected to the sensor with a shielded cable up to 40m long, then it may be located outside of these areas. Separate sensor design can be optionally made with IP68 protection. These "G" flow tubes are only made with PTFE (Teflon) liner, with a choice of several sensing electrode materials (316L stainless steel, Hastelloy C, titanium, tantalum,...).

These sensors can be used to measure the flow of drinking water, wine products, fruit juices, milk, whey, beer and other, too. The stainless sensors also resists cleaning lye and acids that are used daily in these industries.

FG 4000 Ser. THREAD TYPE



- Self-diagnostics – instrument status indicated on display
- Monitoring of maximum flow reached within a time interval
- Bidirectional flow measurement (separate counter for each direction)
- Flow tube replaceability (each flow tube has its own calibration constants)
- Volumetric monitoring on up to 5 resettable flow rate totalizers (counters)
- Accessories – installation set (iron, stainless steel or made to customer specifications)
- Applicability in chemical and food industries as well as in potable water treatment (stainless steel flow tube)
- Operation setup (flow conversion coefficient, type of communication and its transmission rate, measuring dynamics, etc.) using membrane keys or application software

FG4000 Thread Type Specification

Flow tube Nominal Inner Diameter	Thread	Flow tube Liner
DN 10 ~ 65	G 1/2" ~ 3" (BSPP ISO 228, DIN 259)	PTFE - Teflon
Flow tube Design		Nominal Pressure
Compact, Separate – 4m cable (optionally up to 40m)		PN 16
Electrodes		
316L grade (1,4571) stainless steel, Hastelloy C, Platinum, Tantalum, Titanium		
Flow tube Finish	Range for Measured Liquid	Ingress Protection Rating
SS304, SS316L (Polished stainless steel)	0 ~ 150 °C (PTFE)	IP 67 / IP 68 (Option)

터빈 유량계
디지털
터빈 유량계
액체
유량계
유전식
코리올리스
질량 유량계
액상용
질량 유량계
가스용
전자 유량계
조음파
유량계
블록스
유량계
금속관면적
유량계
유리관면적
유량계
Aalborg
MFC, MFM
컨트롤러

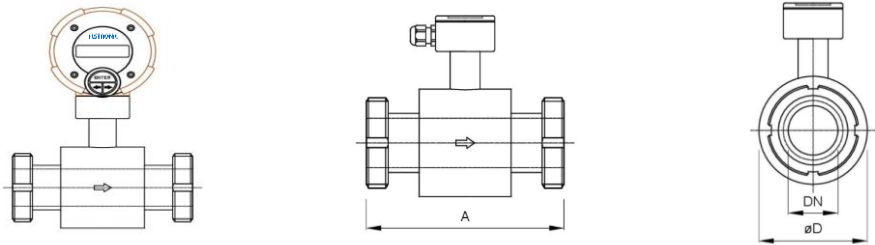
Inner Diameters

Table with 7 columns: Thread (Inch), DN (mm), Q0 (m³/h), Q1 (m³/h), Q3 (m³/h), k (Imp/dm³). Rows include various thread sizes from 1" to 3" and their corresponding flow rates and conversion constants.

- ※ Note :
- ❖ Q0 – Starting flow
- ❖ Q1 – Minimal flow
- ❖ Q3 – Maximal flow
- ❖ K – Maximal constant of flow conversion
- ❖ DN – Flow tube nominal inner diameter
- ❖ Threading – Dimension of the G thread

Diameters and Mass of Flanged Sensors

Table with 6 columns: G (BSPP) thread, DN, PN, A, Ø D, m [kg]. Rows show dimensions and weights for various thread sizes from 1" to 3" and their corresponding nominal diameters and pressures.



- ※ Note :
- ❖ G (BSPP) thread – Dimension of the thread according to ISO 28
- ❖ A – Lengths of the sensor
- ❖ DN – Nominal inner diameter of the sensor
- ❖ ØD – outside diameter of the sensor cover
- ❖ PN – Maximum allowable pressure
- ❖ m – sensor weight

The flow meters with D (DIN 11851) flowtubes. This category includes electromagnetic flow meters designed especially for food, dairy and beverage industry. Due to the requirements for easy and fast assembly / disassembly during pipe cleaning, these sensors are equipped with the aseptic DIN 11851 process connection.

The sensor covers are made from a stainless steel SS304 or SS316L, to meet hygienic requirements and requirements to operate in aggressive and humid environments. For operations with particularly aggressive influences (high relative humidity, acidic or alkaline environment, high / low temperatures, ...). These sensors can be delivered in a separate design – the transducer (flowmeter display unit) is connected to the sensor with a shielded cable up to 40 m long, then it may be located outside of these areas. Separate sensor design can optionally be made with IP68 protection.

These "D" flowtubes are only made with Teflon liner, and with a choice from several sensing electrode materials (316L stainless steel, Hastelloy C, titanium, tantalum,...).

These sensors are commonly used to measure the flow of drinking water, wine products, fruit juices, milk, whey, beer and other. It also resists cleaning lyes and acids that are used daily in these industries. Standardly, these sensors are equipped with SS316L stainless steel electrodes, suitable for measuring common water-based liquids. Especially for the measurement of dairy products the Hastelloy C22 electrodes are recommended. For very aggressive chemicals, Tantal or Titan electrodes are used. The suitability of using a particular electrode material depends on the temperature, chemical composition and concentration of the measured liquid.

FG 4000 Ser. **THREAD TYPE**

DIN 11851 - Type



- Self-diagnostics – instrument status indicated on display
- Monitoring of maximum flow reached within a time interval
- Bidirectional flow measurement (separate counter for each direction)
- Flow tube replaceability (each flow tube has its own calibration constants)
- Volumetric monitoring on up to 5 resettable flow rate totalizers (counters)
- Accessories – installation set (iron, stainless steel or made to customer specifications)
- Applicability in chemical and food industries as well as in potable water treatment (stainless steel flow tube)
- Operation setup (flow conversion coefficient, type of communication and its transmission rate, measuring dynamics, etc.) using membrane keys or application software

FG4000 Thread Type Specification (DIN 11851)

Flow tube Nominal Inner Diameter		Flow tube Liner
DN 10 ~ 80		PTFE - Teflon
Flow tube Design		Nominal Pressure
Compact, Separate – 4m cable (<i>optionally up to 40m</i>)		PN 16
Electrodes		
316L grade (1,4571) stainless steel, Hastelloy C, Platinum, Tantalum, Titanium		
Flow tube Finish	Range for Measured Liquid	Ingress Protection Rating
SS304, SS316L (<i>Polished stainless steel</i>)	0 ~ 150 °C (PTFE)	IP 67 / IP 68 (Option)

터빈 유량계
디지털
터빈 유량계
액체
유량계
유전식
유량계
코리올리스
질량 유량계
액상용
질량 유량계
가스용
전자 유량계
유량계
조음파
유량계
블랙스
유량계
금속관면적
유량계
유리관면적
유량계
Aalborg
MFC, MFM
컨트롤러

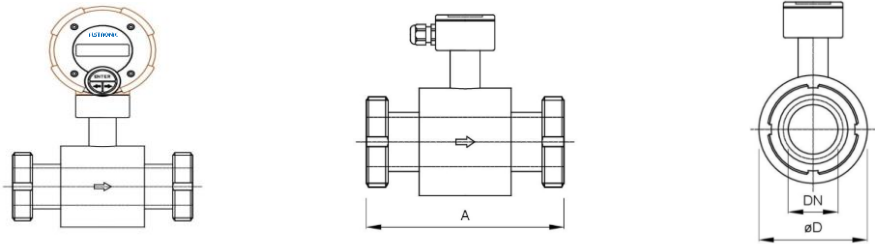
Inner Diameters

Table with 7 columns: TH, SEN, Q0 (m³/h), Q1 (m³/h), Q3 (m³/h), k (Imp/dm³). It lists specifications for DIN 11851 Flow tubes D (PTFE liner) with rows for diameters 15, 20, 25, 32, 40, 50, 65, and 80.

- ※ Note :
- ❖ Q0 – Starting flow ❖ SEN – (Sensor measuring profile) Flowtube nominal inner diameter
- ❖ K – Maximal pulse constant of flow conversion ❖ Q1 – Minimal flow ❖ Q3 – Maximal flow
- ❖ TH – (Threading) Dimension of the thread (DN) according to DIN 11851

Diameters and Mass of Flanged Sensors

Table with 6 columns: DN - threading, Inner diameter, PN, A, Ø D, m [kg]. It lists specifications for flanged sensors with rows for DN values 15, 20, 25, 32, 40, 50, 65, and 80.



- ※ Note :
- ❖ DN – threading – Dimension of the thread according to DIN 11851 ❖ A – Lengths of the sensor
- ❖ Inner diameter – Nominal inner diameter of the sensor ❖ ØD – Outside diameter of the sensor cover
- ❖ PN – Maximum allowable pressure ❖ m – Sensor weight

Approvals



FLSTRONIC
Manufacturer of Flow Meter

Republic of Korea, Seoul



FG 4200

New prototype of the measure unit (coming soon)

We finished with the project of a development of a prototype of new electronic unit for our electromagnetic flow meters. This project has been cooperated with the Technical University in South Korea. This prototype is a combination of proven principle of input analogue circuits and new modern and powerful digital core. The electronics is prepared for implementing of the new communication interfaces like a IoT, Bluetooth, Modbus over ethernet, Wi-fi, ...

The measure unit will have a new graphic display, its own internal web page for setting of the flow meter (No external software will be needed anymore).

Expected date of finishing is at 1st quarter of the year 2023. If you have any questions or comments like a: what are you missing, what to improve or implement, then we will be glad if you will send it to our email address fls2025@naver.com



Ordering code

①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	Description
XX											10, 15, 20, 25, 32, 40, 50, 65, 80, 100 ... 600
	W										Wafer (Flange-less)
	F										Flanged
	D										DIN 11851 Thread
	G										G thread
	C										Custom
		EP									Standard – Power or epoxy painting RAL 7043
		SS									Brushed or polished stainless steel
			10								Flanged sensor
			16								Flanged, DIN 11851, G thread sensors
			25								Flanged, Wafer sensors
			40								Flanged sensors
				PT							PTFE, 0~150°C
				EC							E-CTFE, 0~130°C (Only flanged sensors DN400~600)
				HR							Hard rubber, 0~90°C (Only flanged sensors)
				SR							Soft rubber, 0~90°C (Only flanged sensors)
					SS						Stainless steel SS 316L
					HA						Hastelloy C22
					TA						Tantalum
					TI						Titanium
					PT						Platinum
※ Note :						0					Separate type (Without display and keypad)
① : Flow meter diameter (mm)						1					Comfort
② : Type of connection							00				No
③ : Flow meter body material							XX				Yes (cable length 4~40m) e.g., 4m → 04
④ : Max pressure of the flow meter								0			No
⑤ : Material of the liner								1			Empty pipe detection
⑥ : Material of the sensing electrodes								2			Temperature measuring (2x input for PT500 TEMP. sensors)
⑦ : Design of the transducer unit									1		RS232 & 4-20mA, pulse output
⑧ : Separate design cable length of the transducer unit									2		RS485 & 4-20mA, pulse output
⑨ : Empty pipe detection or temperature measuring function										1	AC 230 V
⑩ : Interfaces and outputs										2	DC 24 V
⑪ : Power supply											

Ordering code example) FG4000-20-F-EP-16-PT-SS-1-00-1-2-1