

**Overview**

SITRANS F C MC2 is available as a standard version (DN 50 to DN 150 (2" to 6")) and a hygienic, EHEDG-certified version (DN 20 to DN 80 (¾" to 3")). MC2 and MC2 hygienic are suitable for accurate mass flow measurement of a variety of liquids and gases.

The sensor offers superior performance in terms of flow accuracy, turn-down range and density accuracy and delivers true multi-parameter measurements i.e.: mass flow, volume flow, density, temperature and fraction flow.

The very compact sensor construction makes installation and commissioning of even the largest sizes very straight forward and easy.

**Benefits**

- High accuracy better than 0.15% of mass flow rate
- Large dynamic turn-down range
- Densitometer performance available through a density accuracy better than 0.001 g/cm<sup>3</sup>
- Space-saving split-flow sensor design facilitating low pressure loss
- Parallel S-tube design and optimal oriented inductive sensors enhances accuracy and turn-down range
- Self-draining in both horizontal and vertical position
- Rigid enclosure design reduces the influence from pipeline vibration and thermal stress
- 4-wire Pt100 temperature measurement ensures optimum accuracy on mass flow, density and fraction flow
- SENSORPROM enables true "plug & play". Installation and commissioning in less than 10 min.
- Safe Ex-design EEx em [ib] IIC
- Sensor pipe available in high-quality AISI 316L stainless steel W 1.4571 or Hastelloy C4 W 2.4610 offering optimum corrosion resistance
- The sensor calibration factor is also valid for gas measurement.

**Application**

Coriolis mass flowmeters are suitable for measuring all liquids and gases. The measurement is independent of changes in process conditions/parameters such as temperature, density, pressure, viscosity, conductivity and flow profile.

Due to this versatility the meter is easy to install and the coriolis flowmeter is recognized for its high accuracy in a wide turn-down range which is a paramount in many applications.

**The main applications of the coriolis flowmeter can be found in all industries, such as:**

<b>Chemical &amp; pharma</b>	Detergents, bulk chemicals, pharmaceuticals, acids, alkalis
<b>Food &amp; beverage EDEHG-certified</b>	Dairy products, beer, wine, soft-drinks, plato/brix, fruit juices and pulps, bottling, CO <sub>2</sub> dosing, CIP-liquids
<b>Oil &amp; gas</b>	Gas measurement, furnace control, test separators, LPG, oil bunkering
<b>Water &amp; waste water</b>	Dosing of chemicals for water treatment

The wide variety of combinations and versions from the modular system means that ideal adaptation is possible to each measuring task.

**Design**

The MC2 sensor consists of 2 parallel measuring pipes, welded directly onto a flow-splitter at each end to eliminate a direct coupling to the process connectors and significantly reduce effects from external vibrations.

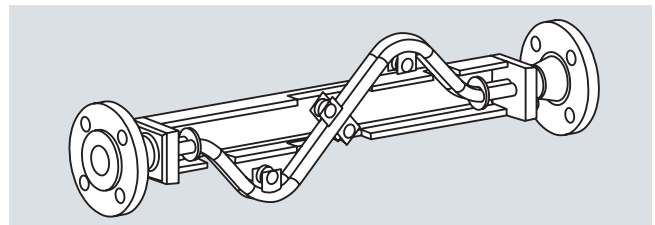
The flow-splitters are welded onto a rigid sensor housing which acts as a mechanical low-pass filter.

The sensor is available in 2 material configurations, AISI 316L or Hastelloy C4 with a wide variety of process connections.

The enclosure is made of stainless steel AISI W 304 1.4301 with a grade of encapsulation of IP67/NEMA 4.

The sensor is Ex-approved EEx em [ib] IIC.

The sensor can be installed in horizontal or vertical position, and is self-draining in both positions.



MC2 is based on increased safety and can therefore only be connected to: MASS 6000 19" or SIFLOW FC070 Ex standard versions which have to be remote mounted in the safe area. For all non-hazardous applications the complete MASS 6000 transmitter program can be used, though only remote mounted.



Hazardous area  
Zone 1 + 2



Safe area

# SITRANS F flowmeters

## SITRANS F C

### SITRANS F C MC2

#### Function

The measuring principle is based on coriolis law of movement, see "System information coriolis mass flowmeters".

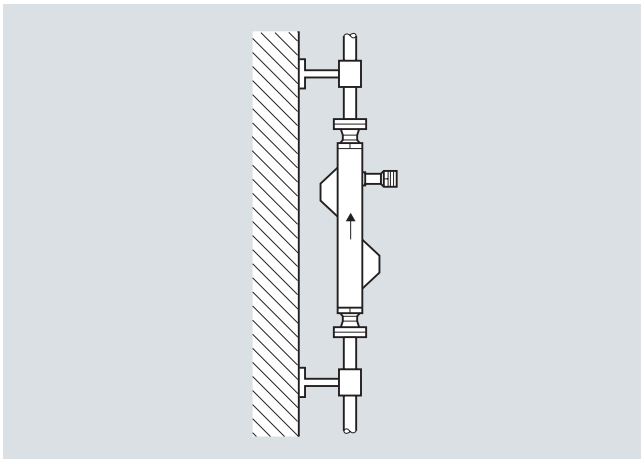
#### Integration

##### Installation guidelines MC2 DN 50 ... DN 150

##### Installation of sensor

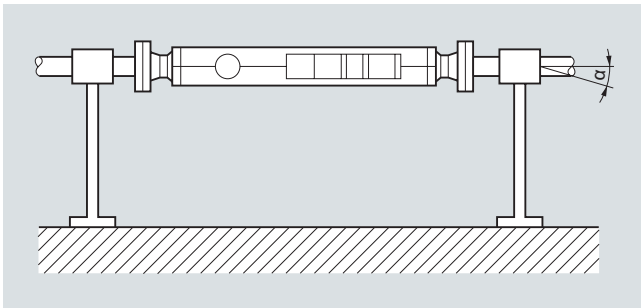
The optimal installation orientation is a vertical installation with an upward flow as shown in the following figure. This has the advantage that any solids contained in the fluid will settle downward and gas bubbles will move upward out of the meter tube when the flow rate is zero. Additionally, it is easy to drain the meter tube. Deposits can thereby be avoided.

##### Vertical orientation:

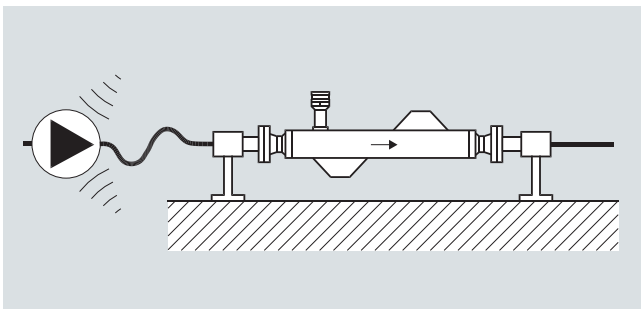


Vertical installation self-draining (upward flow)

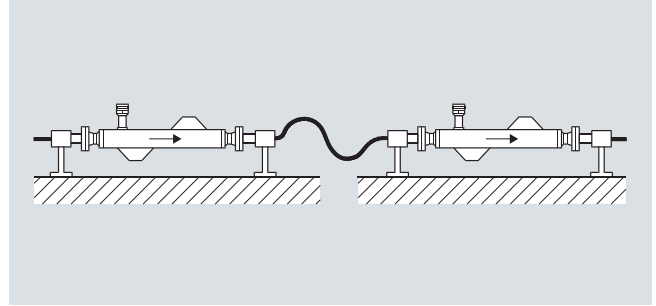
##### Horizontal orientation, self-draining



##### Avoid vibrations

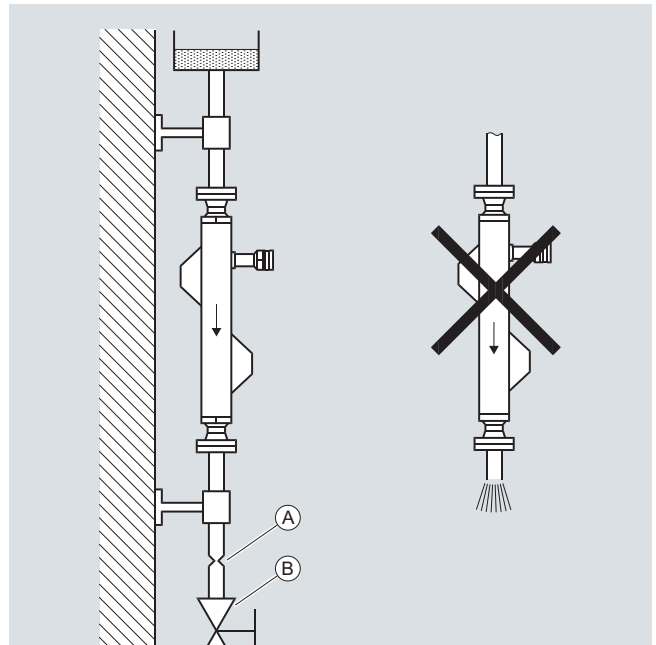


##### Avoid cross talk



##### Installation in a drop line

Mount with reduction or orifice to prevent partially draining (A), orifice (B), pipe constriction valve.



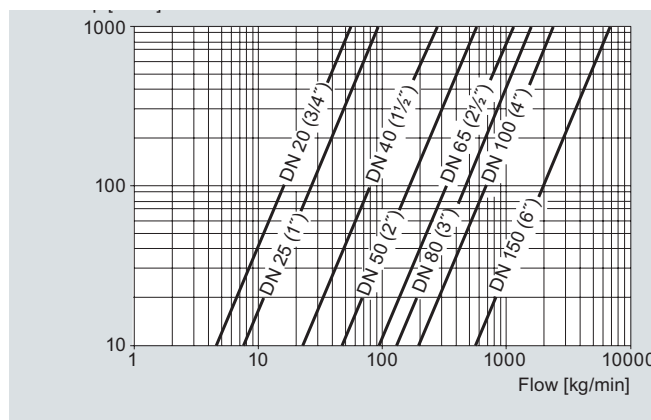
Installation in a drop line

## Technical specifications

Versions (mm (inch))		20 (¾)	25 (1)	40 (1½)	50 (2)	65 (2½)	80 (3)	100 (4)	150 (6)	
<b>Inside pipe diameter</b>	mm (inch)	8.0 (0.31)	10.0 (0.39)	16.0 (0.63)	22.0 (0.87)	29.0 (1.14)	34.0 (1.34)	43.1 (1.69)	76.1 (2.99)	
<b>Pipe wall thickness</b>	mm (inch)	1.0 (0.04)	1.0 (0.04)	1.0 (0.04)	1.5 (0.06)	1.5 (0.06)	2.0 (0.08)	2.6 (0.10)	3.2 (0.13)	
<b>Mass flow measuring range at pressure drop of 2 bar (29 psi) at 1 g/cm<sup>3</sup> (0.036 lb/inch<sup>3</sup>)</b>	kg/h (lb/h)	4 600 (10 141)	7 360 (16 626)	21 850 (48 171)	55 200 (121 695)	113 400 (250 000)	147 600 (325 401)	249 600 (550 273)	660 000 (1 455 049)	
<b>Density</b>	g/cm <sup>3</sup> (lb/inch <sup>3</sup> )	0.5 ... 3.5 (0.18 ... 0.126)								
<b>Fraction e.g. Brix</b>	°Brix	0 ... 100								Not possible
<b>Temperature</b>										
Standard-version		-50 ... +180 °C (-58 ... +356 °F)								
Ex-version		-20 ... +180 °C (-4 ... +356 °F)								
<b>Liquid pressure measuring pipe</b>		20	25	40						
Stainless steel (DIN 2413, 20 °C (68 °F))	bar (psi)	100 (1450)	100 (1450)	100 (1450)	100 (1450)	100 (1450)	100 (1450)	40 (580)	40 (580)	
<b>Materials</b>										
Measuring pipe		SS 1.4571 or Hastelloy C4, W 2.4610								
Flange		SS 1.4571 or Hastelloy C4, W 2.4610								
<b>Enclosure</b>		IP67								
Enclosure material/connection box		W 1.4301/aluminium, max. pressure 40 bar (580 psi)								
<b>Process connections</b>		See dimensional drawings								
Electrical connections		Screw terminals, M 20								
Cable		5 x 2 x 0.35 mm <sup>2</sup> twisted and screened in pairs, ext. Ø 12 mm								
Cable length		10, 25, 75 or 150 m (32, 80, 240 or 480 ft.)								
<b>Ex-version</b>										
ATEX 1443X		≤ DN 40: II 1/2 EEx em [ib] IIC T2-T6 ≥ DN 50: II 2G EEx em [ib] IIC T2-T6								
<b>Weight approx.</b>	kg (lb)	13 (28)	14 (31)	18 (40)	34 (75)	47 (104)	58 (128)	91 (201)	261 (573)	

For accuracy specifications see „System information Coriolis mass flowmeters“.

## Pressure drop



# SITRANS F flowmeters

## SITRANS F C

### SITRANS F C MC2


Selection and Ordering data	Order No.	Order code
<b>SITRANS F C flow sensors MC2</b>	<b>7ME4300-</b>	
<b>Nominal diameter</b>		
W 1.4571/316Ti		
DN 50	1 A	
DN 65	1 B	
DN 80	1 C	
DN 100	1 D	
DN 150	1 E	
Hastelloy C4, W2.4610		
DN 50	2 A	
DN 65	2 B	
DN 80	2 C	
DN 100	2 D	
DN 150	2 E	
<b>Nominal pressure</b>		
PN 40	A	
PN 100	B	
Class 150	C	
Class 300	D	
Class 600	E	
Clamps/screwed-connections	F	
<b>Process connections</b>		
Flange EN 1092-1		
DN 50 (PN 40/PN 100)	2 0	
DN 65 (PN 40/PN 100)	2 1	
DN 80 (PN 40/PN 100)	2 2	
DN 100 (PN 40)	2 3	
DN 150 (PN 40)	2 4	
Flange ASME/ANSI		
2" (class 150/300/600)	3 0	
2 ½" (class 150/300/600)	3 1	
3" (class 150/300/600)	3 2	
4" (class 150/300)	3 3	
6" (class 150/300)	3 4	
Dairy screwed connection to DIN 11851		
DN 50 (PN 25)	4 0	
DN 65 (PN 25)	4 1	
DN 80 (PN 25)	4 2	
DN 100 (PN 25)	4 3	
Dairy clamp connection DIN 32676 Tri-clamp		
50 mm clamp (PN 16)	5 0	
66 mm clamp (PN 10)	5 1	
81 mm clamp (PN 10)	5 2	
100 mm clamp (PN 10)	5 3	
Aseptic nut flange DIN 11864-2 form A for pipes dimensioned by DIN 11866		
DN 40 (1 ½")	6 0	
DN 50 (2")	6 1	
DN 65 (2 ½")	6 2	
DN 80 (3")	6 3	
DN 100 (4")	6 4	
<b>Configuration</b>		
Flow and density (5 kg/m <sup>3</sup> )	1	
Flow, Brix/Plato and density (1 kg/m <sup>3</sup> ) <sup>1)</sup>	2	
Density (1 kg/m <sup>3</sup> ) <sup>1)</sup>	5	
Fraction (specified by customer) and density (1 kg/m <sup>3</sup> ) <sup>1)</sup>	9	NO Y

Selection and Ordering data	Order No.	Order code
<b>SITRANS F C flow sensors MC2</b>	<b>7ME4300-</b>	
<b>Ex-approval</b>		
Standard, without explosion protection		A
With explosion protection: Ex, ATEX		B
With explosion protection: Ex, FM Class I, Div 1		C
With explosion protection: Ex, FM Class I, Div 2		D
<b>Cable</b>		
No cable (see accessories)		A
<b>Calibration</b>		
Standard		1
Matched pair		2

1) Extended density and fraction not possible with DN 150.

Please also see [www.siemens.com/SITRANSOrdering](http://www.siemens.com/SITRANSOrdering) for practical examples of ordering

#### Dairy MLFB example

MC2 sensor	Order No.	Order code
7ME4300-		
Sensor size DN 80, material W 1.4571/316Ti	1 C	
Nominal pressure: Clamps	F	
DIN 11851, DN 80, PN 25	4 2	
		
Configuration/calibration type: flow and density (5 kg/m <sup>3</sup> )		1
Without Ex approval		A
No cable		A
Standard calibration		1

Selection and Ordering data	Order code
<b>Additional information</b>	
Please add "-Z" to Order No. and specify Order code(s) and plain text.	
Pressure testing certificate PED: 97/23/EC	C11
Material certificate EN 10204-3.1	C12
Welding certificate NDT X-ray: EN 25817/B	C13
Factory certificate according to EN 10204 2.2	C14
Factory certificate according to EN 10204 2.1	C15
Tag name plate, stainless steel	Y17
Tag name plate, plastic	Y18
Customer-specific transmitter setup	Y20
Customer-specified, matched pair (5 x 2)	Y60
Customer-specified calibration (5 x 2)	Y61
Customer-specified, matched pair (10 x 1)	Y62
Customer-specified calibration (10 x 1)	Y63
Special version	Y99

#### Accessories

Description	Order No.
<b>Cables from MC2 sensor to MASS 6000 transmitter</b>	
10 m (32.8 ft)	FDK-083H3001
25 m (82 ft)	FDK-083H3002
75 m (246 ft)	FDK-083H3003
150 m (492 ft)	FDK-083H3004

#### Spare parts

Description	Order No.
<b>2 kB SENSORPROM unit</b> (Sensor Serial No. and Order No. must be specified by ordering)	FDK-083H4410

Selection and Ordering data	Order No.	Order code
<b>SITRANS F C flow sensors</b> <b>MC2 for Hygienic applications only</b>	7ME4310-	
<b>Nominal diameter</b> W 1.4435/316L		
DN 20	1 A	
DN 25	1 B	
DN 40	1 C	
DN 50	1 D	
DN 65	1 E	
DN 80	1 F	
<b>Nominal pressure 40 bar, PN 25</b> Clamps/screwed-connections	F	
<b>Pressure and Process connections</b> <u>Dairy screwed connection to DIN 11851</u>		
DN 20 (¾"), PN 25	4 0	
DN 25 (1"), PN 25	4 1	
DN 40 (1½"), PN 25	4 2	
DN 50 (2"), PN 25	4 3	
DN 65 (2½"), PN 25	4 4	
DN 80 (3"), PN 25	4 5	
<u>Dairy clamp connectors for DIN 32676</u> <u>Tri-clamp</u>		
20 mm clamp	4 7	
26 mm clamp	4 8	
38 mm clamp	4 9	
50 mm clamp	5 0	
66 mm clamp	5 1	
81 mm clamp	5 2	
<u>Aseptic connectors DIN 11864-2 Form A for</u> <u>DIN tubes</u>		
DN 20	5 8	
DN 25	5 9	
DN 40	6 0	
DN 50	6 1	
DN 65	6 2	
DN 80	6 3	
<b>Configuration</b>		
Flow and density (5 kg/m <sup>3</sup> )	1	
Flow, Brix/Plato and density (1 kg/m <sup>3</sup> ) <sup>1)</sup>	2	
Density (1 kg/m <sup>3</sup> ) <sup>1)</sup>	5	
Flow, fraction (customer specified application from the net)	9	N 0 Y
<b>Ex-approval</b>		
Standard, without explosion protection	A	
With explosion protection: Ex, ATEX	B	
With explosion protection: Ex, FM Class I, Div 1	C	
With explosion protection: Ex, FM Class I, Div 2	D	
<b>Cable</b>		
No cable (see accessories)	A	
<b>Calibration</b>		
Standard	1	
Matched pair	2	

This device is shipped with a Quick Start manual and the SITRANS F literature CD containing operating instructions, quick starts and certificates.

<sup>1)</sup> Extended density and fraction not possible with DN 150.

Please also see [www.siemens.com/SITRANSFordering](http://www.siemens.com/SITRANSFordering) for practical examples of ordering

Selection and Ordering data	Order code
<b>Additional information</b>	
Please add "-Z" to Order No. and specify Order code(s) and plain text.	
Pressure testing certificate PED: 97/23/EC	C11
Material certificate EN 10204-3.1	C12
Welding certificate NDT X-ray: EN 25817/B	C13
Factory certificate according to EN 10204 2.2	C14
Factory certificate according to EN 10204 2.1	C15
Tag name plate, stainless steel	Y17
Tag name plate, plastic	Y18
Customer-specific transmitter setup	Y20
Customer specified, matched pair (5x2)	Y60
Customer-specified calibration (5x2)	Y61
Customer-specified, matched pair (10x1)	Y62
Customer-specified calibration (10x1)	Y63
Special version	Y99

#### Accessories

Description	Order No.
<b>Cables from MC2 sensor to MASS 6000 transmitter</b>	
10 m (32 ft)	FDK-083H3001
25 m (80 ft)	FDK-083H3002
75 m (240 ft)	FDK-083H3003
150 m (480 ft)	FDK-083H3004

#### Spare parts

Description	Order No.
<b>2 kB SENSORPROM unit</b> (Sensor Serial No. and Order No. must be specified by ordering)	FDK-083H4410

#### Dairy MLFB example

##### MC2 sensor

Sensor size DN40 mat. 1.4435/316L  
Nominal pressure: Clamp  
DIN 11851, DN 40, PN 25



Configuration/calibration type: flow  
and density (5 kg/m<sup>3</sup>)  
Without Ex approval  
No cable  
Standard calibration

Order No.
7ME4310-
1 C
F
4 2
1
A
A
1

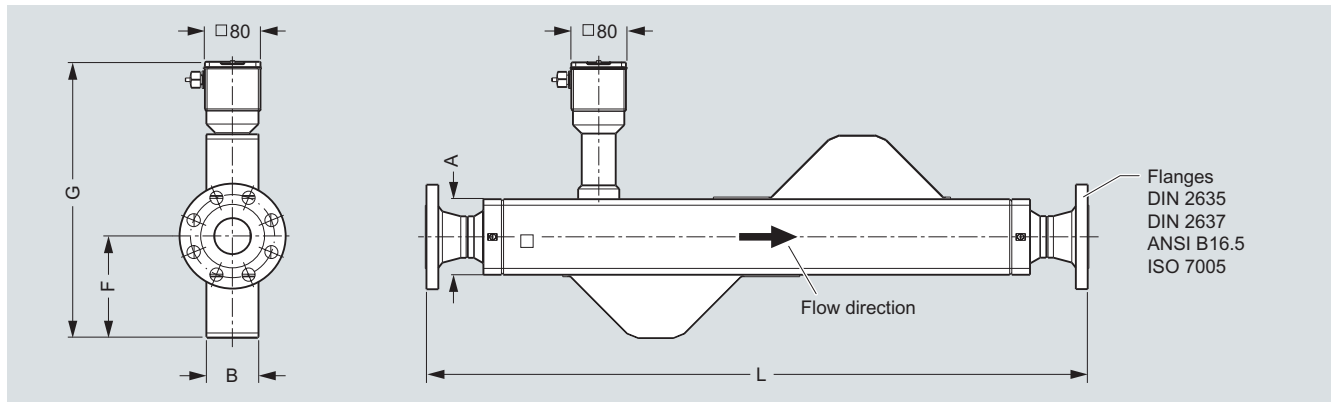
# SITRANS F flowmeters

## SITRANS F C

### SITRANS F C MC2

#### Dimensional drawings

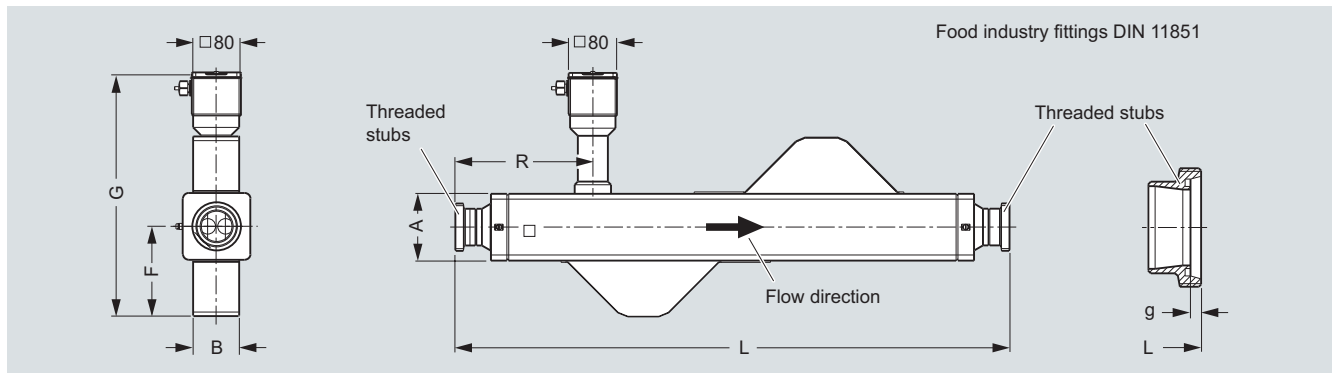
Remote design, flanged construction, DIN/ANSI



Meter size	Process connection size		L [mm (inch)]						G <sup>1)</sup> [mm (inch)]	F [mm (inch)]	B [mm (inch)]	A [mm (inch)]	Weight kg	
			DIN 11864-2 form A	DIN 2635 PN 40	DIN 2637 PN 100	ANSI CL 150	ANSI CL 300	ANSI CL 600						
Inch	DN	Inch	DN											
2	50	2	50	918 (36.14)	940 (37.01)	979 (38.54)	970 (38.19)	980 (38.58)	1001 (39.41)	403 (15.87)	148 (5.83)	80 (3.15)	110 (4.33)	34
		2½	65	1081 (42.56)	1100 (43.31)	1148 (45.20)	1218 (47.95)	1228 (48.35)	1248 (49.13)					38
2½	65	2	50	1197 (47.13)	1220 (48.03)	1259 (49.57)	1250 (49.21)	1260 (49.61)	1281 (50.43)	429 (16.89)	164 (6.64)	97 (3.82)	130 (5.12)	43
		2½	65	1081 (42.56)	1100 (43.31)	1148 (45.20)	1218 (47.95)	1228 (48.35)	1249 (49.17)					47
		3	80	1200 (47.24)	1220 (48.03)	1260 (49.61)	1240 (48.82)	1260 (49.61)	1282 (50.47)					50
3	80	2½	65	1310 (51.57)	1330 (52.36)	1378 (54.25)	1365 (53.74)	1375 (54.13)	1396 (54.96)	456 (17.95)	186 (7.32)	108 (4.25)	140 (5.51)	56
		3	80	1200 (47.24)	1220 (48.03)	1260 (49.61)	1240 (48.82)	1260 (49.61)	1282 (50.47)					58
		4	100	1463 (57.60)	1480 (58.27)	1530 (60.24)	1500 (59.06)	1520 (59.84)	1568 (61.73)					69
4	100	3	80	1618 (63.70)	1640 (64.57)	1680 (66.14)	1660 (65.35)	1680 (66.14)	1702 (67.01)	500 (19.69)	215 (8.46)	131 (5.16)	170 (6.69)	84
		4	100	1463 (57.60)	1480 (58.27)	1530 (60.24)	1500 (59.06)	1520 (59.84)	1568 (61.73)					91
		6	150	N/A	1778 (69.92)	N/A	1806 (71.10)	1826 (71.89)	N/A					120
6	150	6	150	N/A	2040 (80.31)	N/A	2070 (81.50)	2090 (82.28)	N/A	613 (24.13)	285 (11.22)	190 (7.84)	260 (9.84)	260

1) For EEx add 54 mm

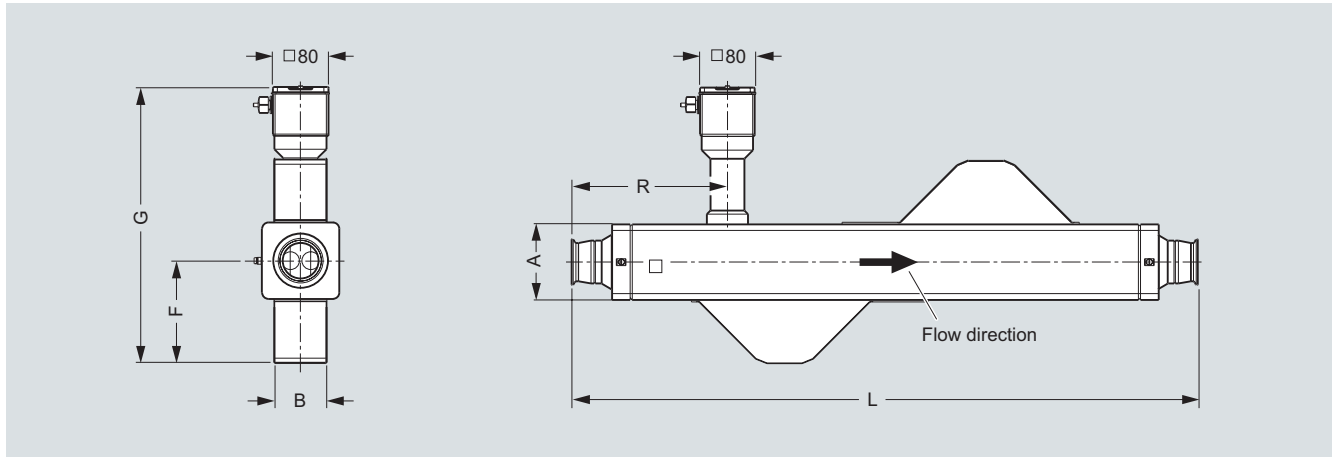
Remote design, food industry fittings, DIN 11851



Meter size		Process connection size		L [mm (inch)]	g [mm (inch)]	G <sup>1)</sup> [mm (inch)]	F [mm (inch)]	B [mm (inch)]	A [mm (inch)]	R [mm (inch)]	Weight kg	
Inch	DN	Inch	DN									
2	50	2	50	Rd 78 x 1/6	918 (36.14)	7 (0.28)	403 (15.87)	148 (5.83)	80 (3.15)	110 (4.33)	177 (6.97)	30
		2½	65	Rd 95 x 1/6	1081 (42.56)	8 (0.31)					254 (10.00)	34
2½	65	2	50	Rd 78 x 1/6	1197 (47.13)	7 (0.28)	429 (16.89)	164 (6.46)	97 (3.82)	130 (5.12)	291 (11.46)	40
		2½	65	Rd 95 x 1/6	1081 (42.56)	8 (0.31)					227 (10.91)	44
		3	80	Rd 110 x 1/6	1200 (47.24)	8 (0.31)					281 (11.06)	47
3	80	2½	65	Rd 95 x 1/6	1310 (51.57)	8 (0.31)	456 (17.95)	186 (7.32)	108 (4.25)	140 (5.51)	319 (12.56)	54
		3	80	Rd 110 x 1/6	1200 (47.24)	8 (0.31)					258 (10.16)	56
		4	100	Rd 110 x 1/6	1463 (57.60)	10 (0.39)					381 (15.00)	60
4	100	3	80	Rd 110 x 1/6	1618 (63.70)	8 (0.31)	500 (19.69)	215 (8.46)	131 (5.16)	170 (6.69)	401 (15.79)	82
		4	100	Rd 130 x ¼	1463 (57.60)	10 (0.39)					314 (12.36)	86

1) For EEx add 54 mm

Remote design, Tri-clamp DIN 32676 (ISO 2852)



Dimensions in mm (inch)

Meter size		Process connection size		L [mm (inch)] ± 3	G <sup>1)</sup> [mm (inch)]	F [mm (inch)]	B [mm (inch)]	A [mm (inch)]	R [mm (inch)]	Weight [kg]	
Inch	DN	Inch	DN								
2	50	2	50	913 (35.94)	403 (15.87)	148 (5.83)	80 (3.15)	110 (4.33)	225 (8.86)	26	
		2½	65	1073 (42.24)						305 (12.01)	27
2½	65	2	50	1192 (46.93)	429 (16.89)	164 (6.64)	97 (3.82)	130 (5.12)	335 (13.19)	36	
		2½	65	1073 (42.24)						275 (10.83)	37
		3	80	1180 (46.46)						328 (12.91)	38
3	80	2½	65	1302 (51.26)	456 (17.95)	186 (7.32)	108 (4.25)	140 (5.51)	378 (14.88)	45	
		3	80	1180 (46.46)						296 (11.65)	44
		4	100	1448 (57.01)						430 (16.93)	46
4	100	3	80	1598 (62.91)	500 (19.69)	215 (8.46)	131 (5.16)	170 (6.69)	440 (17.32)	71	
		4	100	1448 (57.01)						365 (14.37)	69

1) For EEx add 54 mm

# SITRANS F flowmeters

## SITRANS F C

### SITRANS F C MC2

#### Process Connections

- Flanges DIN/ASME
- Tri-Clamp DIN 32676
  - DN 15 to DN 50: Series 3
  - DN 65 to DN 100: Series 1
- Food Industry fittings DIN 11851

The max. allowable operating pressure is a function of the process connection type, the fluid temperature, the bolts and the gaskets.

#### Pressure Rating

- PN 16, PN 40, PN 100 (to DN 80 (3"))  
Class 150, Class 300, Class 600 (to DN 80 (3"))

#### Housing as secondary containment

- Max. 40 bar

#### Pressure Equipment Directive 97/23/EG

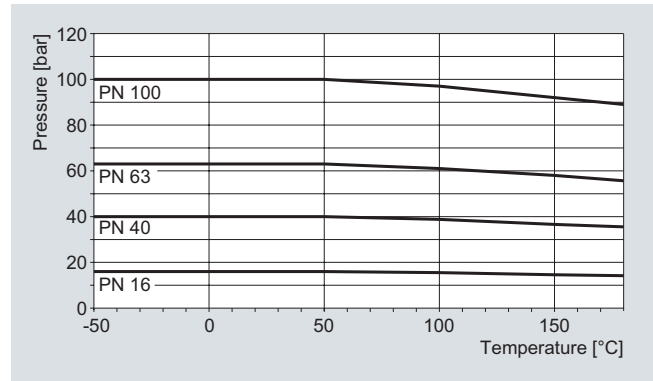
- Conformity evaluation category III, fluid group 1, gas, diagramme 6

Corrosion resistance of measuring pipe material to measuring medium has to be considered.

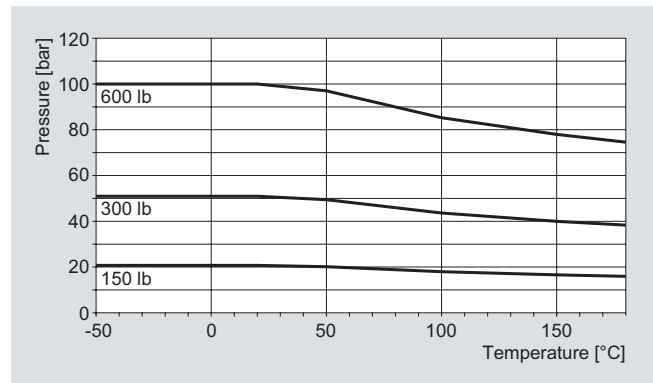
#### Material strength for process connections

Process connection	Size		PS <sub>max.</sub> bar (psi g)	TS <sub>max.</sub> °C (°F)	TS <sub>min.</sub> °C (°F)
	DN	Inch			
Thread acc. DIN 11851	15 ... 40	½ ... 1½	40 (580)	140 (284)	-40 (-40)
	50 ... 100	2 ... 4	25 (363)	140 (284)	-40 (-40)
Tri-Clamp acc. DIN 32676	15 ... 50	½ ... 2	16 (232)	120 (248)	-40 (-40)
	65 ... 100	2½ ... 4	10 (145)	120 (248)	-40 (-40)

#### Material Loads Curves for Flanged Flowmeters



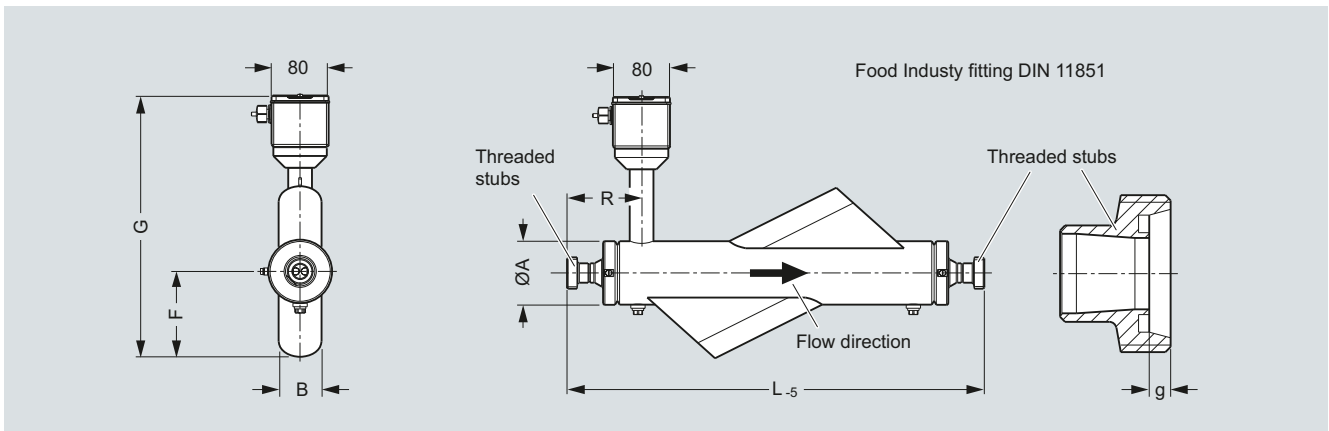
DIN-Flanges SS 1.4571/316Ti to DN 100 (4")



ASME-Flanges SS 1.4571/316Ti to DN 100 (4")



## Remote Design, Food Industry Fitting, DIN 11851



Dimensions in mm (inch)

DN (Size)		Process connections			L <sub>5</sub>	g	G	F	B	ØA	R	Weight
DN	inch	DN	inch		mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)	kg
20	¾"	15	½"	Rd34 x 1/8	672 (26.46)	4 (0.16)	358 (14.94)	127 (5.00)	66 (2.60)	89 (3.50)	152 (5.98)	13
		20	¾"	Rd44 x 1/6	583 (22.95)	6 (0.24)					102 (4.02)	
		25	1"	Rd52 x 1/6	683 (26.89)	7 (0.28)					152 (5.98)	
25	1"	20	¾"	Rd44 x 1/6	743 (29.25)	6 (0.24)	358 (14.94)	127 (5.00)	66 (2.60)	89 (3.50)	162 (6.38)	14
		25	1"	Rd52 x 1/6	643 (25.31)	7 (0.28)					112 (4.11)	
		40	1½"	Rd65 x 1/6	786 (30.94)	7 (0.28)					185 (7.28)	



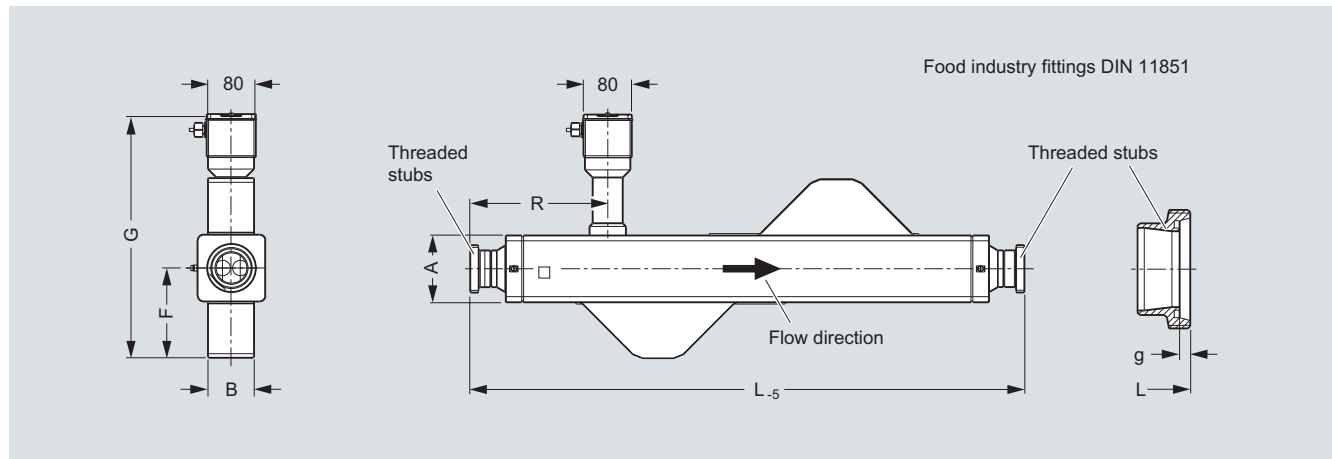
If this connection is supplied with an EHEDG-certified device, the device nominal sizes must correspond with the connection nominal sizes!

# SITRANS F flowmeters

## SITRANS F C

### SITRANS F C MC2

Remote Design, Food Industry Fitting, DIN 11851



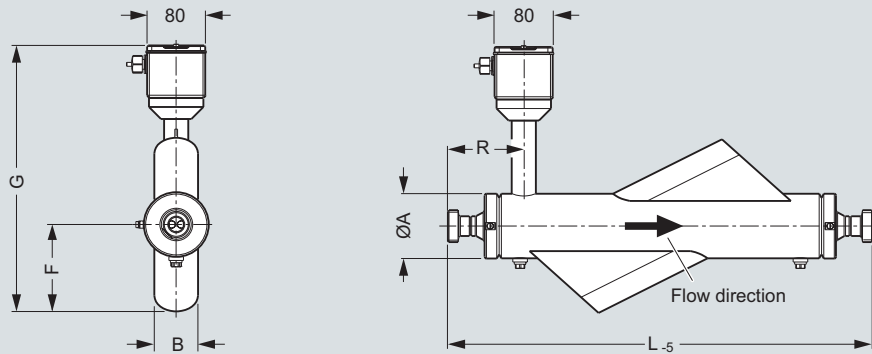
Dimensions in mm (inch)

DN (Size)		Process connections			L <sub>-5</sub>	g	G	F	B	∅A	R	Weight
DN	inch	DN	inch		mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)	kg
40	1½"	25	1	Rd52 x 1/6	864 (34.02)	7 (0.28)	374 (14.72)	129 (5.08)	64 (2.52)	90 (3.54)	218 (8.58)	16
		40	1½	Rd65 x 1/6	761 (29.96)	7 (0.28)					164 (6.46)	18
		50	2"	Rd78 x 1/6	918 (36.14)	7 (0.28)					241 (9.49)	19
50	2"	40	1½	Rd65 x 1/6	1025 (40.35)	7 (0.28)	403 (15.87)	148 (5.83)	80 (3.15)	110 (4.33)	233 (9.17)	28
		50	2"	Rd78 x 1/6	918 (36.14)	7 (0.28)					177 (6.97)	30
		65	2½	Rd95 x 1/6	1081 (42.56)	8 (0.31)					254 (10.00)	34
65	2½"	50	2"	Rd78 x 1/6	1197 (47.13)	7 (0.28)	429 (16.89)	164 (6.46)	97 (3.82)	130 (5.12)	291 (11.46)	40
		65	2½	Rd95 x 1/6	1081 (42.56)	8 (0.31)					227 (8.94)	44
		80	3"	Rd110 x 1/4	1200 (47.24)	8 (0.31)					281 (11.06)	47
80	3"	65	2½	Rd95 x 1/6	1310 (51.57)	8 (0.31)	456 (17.95)	186 (7.32)	108 (4.25)	140 (5.51)	319 (12.56)	54
		80	3"	Rd110 x 1/4	1200 (47.24)	8 (0.31)					258 (10.16)	56
		100	4"	Rd130 x 1/4	1463 (57.60)	10 (0.39)					381 (15.00)	60



If this connection is supplied with an EHEDG-certified device, the device nominal sizes must correspond with the connection nominal sizes!

## Remote Design, Tri-Clamp DIN 32676



Dimensions in mm (inch)

DN (Size)		Process connections		L <sub>5</sub>	G	F	B	ØA	R	Weight	
DN	Inch	DN	Inch								mm (inch)
20	¾	15	½	DIN 32676	656 (25.83)	358 (14.09)	127 (5.00)	66 (2.60)	89 (3.50)	140 (5.51)	12
		20	¾		561 (22.09)					92 (3.62)	
		25	1		661 (26.02)					142 (5.59)	
25	1	20	¾	DIN 32676	721 (28.39)	358 (14.09)	127 (5.00)	66 (2.60)	89 (3.50)	152 (5.98)	13
		25	1		621 (24.45)					102 (4.02)	
		40	1½		773 (30.43)					180 (7.09)	



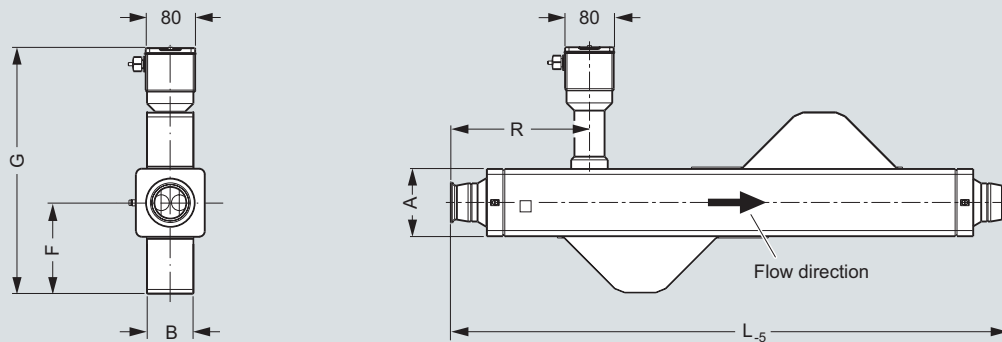
If this connection is supplied with an EHEDG-certified device, the device nominal sizes must correspond with the connection nominal sizes!

# SITRANS F flowmeters

## SITRANS F C

### SITRANS F C MC2

Remote Design, Tri-Clamp DIN 32676



Dimensions in mm (inch)

DN (Size)		Process connections		L <sub>5</sub>	G	F	B	∅A	R	Weight
DN	inch	DN	inch	mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)	kg
40	1½"	25	1	842 (33.15)	374 (14.72)	129 (5.08)	64 (2.52)	90 (3.54)	242 (9.53)	17
		40	1½	748 (29.45)					195 (7.68)	17
		50	2"	913 (35.94)					278 (10.94)	18
50	2"	40	1½	1012 (39.84)	403 (15.87)	148 (5.83)	80 (3.15)	110 (4.33)	275 (10.83)	27
		50	2"	913 (35.94)					225 (8.86)	26
		65	2½	1073 (42.24)					305 (12.01)	27
65	2½"	50	2"	1192 (46.93)	429 (16.89)	164 (6.46)	97 (3.82)	130 (5.12)	335 (13.19)	36
		65	2½	1073 (42.24)					275 (10.83)	37
		80	3"	1180 (46.46)					328 (12.91)	38
80	3"	65	2½	1302 (51.26)	456 (17.95)	186 (7.32)	108 (4.25)	140 (5.51)	378 (14.88)	45
		80	3"	1180 (46.46)					296 (11.65)	44
		100	4"	1448 (57.01)					430 (16.93)	46



If this connection is supplied with an EHEDG-certified device, the device nominal sizes must correspond with the connection nominal sizes!