



Modelcode 2008

Valid 01.01.2008
Version: 01/08 I



Coriolis Massflowmeter

TM002	0-8 kg/h	(0-0,3 lbs/min)
TM003	0-20 kg/h	(0-0,7 lbs/min)
TM004	0-80 kg/h	(0-3 lbs/min)
TM005	0-150 kg/h	(0-6 lbs/min)
TM006	0-200 kg/h	(0-7 lbs/min)
TM008	0-350 kg/h	(0-13 lbs/min)
TM010	0-1.200 kg/h	(0-44 lbs/min)
TM015	0-3.000 kg/h	(0-110 lbs/min)
TM020	0-6.000 kg/h	(0-220 lbs/min)
TM025	0-20.000 kg/h	(0-735 lbs/min)
TM050	0-40.000 kg/h	(0-1.470 lbs/min)
TM080	0-65.000 kg/h	(0-2.388 lbs/min)



Coriolis Massflowmeter

TM

TM002 (0 - 8 kg/h)
 TM003 (0 - 20 kg/h)
 TM004 (0 - 80 kg/h)
 TM005 (0 - 150 kg/h)



Modelcode
 valid: 01.01.2008
 version: 01/08 I

Model number	Description	Notes
Block no. 1 23 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18		
TM -		
S	Wetted materials (Block no. 1) Stainless steel	
01	Range (Block no. 2, 3)	Meter line size
04	min. 0-0,8 kg/h - max. 0-8 kg/h	TM002
07	min. 0-2 kg/h - max. 0-20 kg/h	TM003
10	min. 0-8 kg/h - max. 0-80 kg/h	TM004
	min. 0-15 kg/h - max. 0-150 kg/h	TM005
6010	Process connection (Block no. 4, 5, 6, 7)	
6030	½" NPT (f)	
101C	½" NPT (f)	
101N	DN10 PN40 Form C DIN 2501	
105C	DN10 PN40 Form N DIN 2512	
105N	DN15 PN40 Form C DIN 2501	
105C	DN15 PN40 Form N DIN 2512	
105N	DN15 PN40 Form C DIN 2501	
201R	DN15 PN40 Form N DIN 2512	
241R	½" Class 150 RF ASME B16.5-2003	
201R	½" Class 600 RF ASME B16.5-2003	
241R	½" Class 150 RF ASME B16.5-2003	
XXXX	½" Class 600 RF ASME B16.5-2003	
	Agency approved, customer specified.	
0350	Installation length (Block no. 8, 9, 10, 11)	
XXXX	350 mm	
	Agency approved, customer specified.	
A	Containment options (Block no. 12)	Wetted materials, temperature restriction
E	Standard sensor body (1.4301, SS304), lid (Aluminum)	max. 120°C
R	Standard sensor body (1.4301, SS304)	
W	Pressure-resistant containment, screwed, PN16 (1.4301, SS304)	T, max. 150°C
X	Pressure-resistant containment, welded, PN16 (1.4301, SS304)	T, max. 150°C
	Agency approved, customer specified.	
0	Heating / cooling (Block no. 13)	
1	without	
2	with connection: Ermeto EO12	max. 16 bar
3	with connection: DN15 PN40 Form C DIN 2501	max. 16 bar
X	with connection: ½" Class 150 RF ASME B16.5-2003	max. 16 bar
	Agency approved, customer specified.	
U	Flow direction (Block Nr. 14)	
O	Bottom to top	
L	Top to bottom	
R	Left to right	
	Right to left	
1	Sensor configuration (Block no. 15)	Temperature Service Rating
2	Integral mount transmitter	-4°F to 212°F, -20°C to 100°C
3	Integral mount transmitter	-4°F to 302°F, -20°C to 150°C
4	Remote mount transmitter	-40°F to 212°F, -40°C to 100°C
5	Remote mount transmitter	-40°F to 356°F, -40°C to 180°C
6	Remote mount transmitter	-40°F to 500°F, -40°C to 260°C
7	Remote mount transmitter	-40°F to 212°F, -40°C to 100°C
8	Remote mount transmitter	-40°F to 356°F, -40°C to 180°C
	Remote mount transmitter	-40°F to 500°F, -40°C to 260°C
		Sensor Cable Connection
		Terminal block via M20x1,5 2)
		Terminal block via M20x1,5 2)
		Terminal block via M20x1,5 2)
		Terminal block via ½" NPT (f) 2)
		Terminal block via ½" NPT (f) 2)
		Terminal block via ½" NPT (f) 2)
0	Approvals (Block no. 16)	
A	without approval	
B	II 1/2G EEx ia IIC T6 - T2, FM/FMC CL I, DIV 1, GPS ABCD, T*	
	NEPSI	
0	Certificate (Block Nr. 17)	
1	without	
2	Certificate of compliance with the order, 2	
B	Test report, 2.2	
C	Inspection certificate 3.1 with material certificate (DIN EN 10204:2004)	
	Inspection certificate 3.2 with material certificate (DIN EN 10204:2004)	
0	Supplementary equipment (Block no. 18)	
X	without	
	with (separate specification necessary)	
	Media	...
	Process temperature min / max	...
	Ambient temperature min / max	-40°C to 60°C [-40°F to 104°F]
	Range	...
	Working Pressure	...
	Viscosity	...
	Density	...
	TAG-No.	...
	Accuracy (range)	...
	Repeatability	0,05% of rate
	Pressure loss	...
	Certificates add. requirements	see supplies list
	Documentation	...

²⁾ Cable glands, select from accessories list.



Coriolis Massflowmeter TM

TM006 (0 - 200 kg/h)
TM008 (0 - 350 kg/h)



Modelcode
valid: 01.01.2008
version: 01/08 I

Model number	Description	Notes
Block no. 1 23 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18		
TM -		
<input type="checkbox"/> S	Wetted materials (Block no. 1)	
<input type="checkbox"/> H	Stainless steel	
<input type="checkbox"/> T	Hastelloy C-22	
	Tantalum	1)
<input type="checkbox"/> 13	Range (Block no. 2, 3)	
<input type="checkbox"/> 19	min. 0-20 kg/h max. 0-200 kg/h	TM006 S
<input type="checkbox"/> 22	min. 0-35 kg/h max. 0-350 kg/h	TM008 S
<input type="checkbox"/> 23	min. 0-40 kg/h max. 0-350 kg/h	TM008 H
	min. 0-40 kg/h max. 0-350 kg/h	TM008 T
<input type="checkbox"/> 6010	Process connection (Block no. 4, 5, 6, 7)	
<input type="checkbox"/> 6030	1/4" NPT (f)	S, H
<input type="checkbox"/> 101C	1/2" NPT (f)	S, H
<input type="checkbox"/> 101N	DN10 PN40 Form C DIN 2501	S, H
<input type="checkbox"/> 105C	DN10 PN40 Form N DIN 2512	S, H
<input type="checkbox"/> 105N	DN15 PN40 Form C DIN 2501	S, H
<input type="checkbox"/> 105C	DN15 PN40 Form N DIN 2512	S, H
<input type="checkbox"/> 105N	DN15 PN40 Form C DIN 2501	S, H
<input type="checkbox"/> 201R	DN15 PN40 Form N DIN 2512	S, H
<input type="checkbox"/> 241R	1/2" Class 150 RF ASME B16.5-2003	S, H
<input type="checkbox"/> 201R	1/2" Class 600 RF ASME B16.5-2003	S, H
<input type="checkbox"/> 241R	1/2" Class 150 RF ASME B16.5-2003	S, H
<input type="checkbox"/> 105E	1/2" Class 600 RF ASME B16.5-2003	S, H
<input type="checkbox"/> 202F	DN15 PN40 Form E DIN 2501	T
<input type="checkbox"/> 202F	3/4" Class 150 SM3 ASME B16.5-2003	T
<input type="checkbox"/> 222F	3/4" Class 150 SM3 ASME B16.5-2003	T
<input type="checkbox"/> XXXX	3/4" Class 300 SM3 ASME B16.5-2003	T
	Agency approved, customer specified.	
<input type="checkbox"/> 0350	Installation length (Block no. 8, 9, 10, 11)	
<input type="checkbox"/> XXXX	350 mm	
	Agency approved, customer specified.	
<input type="checkbox"/> A	Containment options (Block no. 12)	
<input type="checkbox"/> E	Standard sensor body (1.4301, SS304), lid (Aluminum)	Wetted materials, temperature restriction max. 120°C
<input type="checkbox"/> R	Standard sensor body (1.4301, SS304)	
<input type="checkbox"/> W	Pressure-resistant containment, screwed, PN16 (1.4301, SS304)	T, max. 150°C
<input type="checkbox"/> X	Pressure-resistant containment, welded, PN16 (1.4301, SS304)	T, max. 150°C
	Agency approved, customer specified.	
<input type="checkbox"/> 0	Heating / cooling (Block no. 13)	
<input type="checkbox"/> 1	without	
<input type="checkbox"/> 2	with connection: Ermeto EO12	max. 16 bar
<input type="checkbox"/> 3	with connection: DN15 PN40 Form C DIN 2501	max. 16 bar
<input type="checkbox"/> X	with connection: 1/2" Class 150 RF ASME B16.5-2003	max. 16 bar
	Agency approved, customer specified.	
<input type="checkbox"/> U	Flow direction (Block Nr. 14)	
<input type="checkbox"/> O	Bottom to top	
<input type="checkbox"/> L	Top to bottom	
<input type="checkbox"/> R	Left to right	
	Right to left	
<input type="checkbox"/> 1	Sensor configuration (Block no. 15)	
<input type="checkbox"/> 2	Integral mount transmitter	Temperature Service Rating -4°F to 212°F, -20°C to 100°C
<input type="checkbox"/> 3	Integral mount transmitter	-4°F to 302°F, -20°C to 150°C
<input type="checkbox"/> 4	Remote mount transmitter	-40°F to 212°F, -40°C to 100°C
<input type="checkbox"/> 5	Remote mount transmitter	-40°F to 356°F, -40°C to 180°C
<input type="checkbox"/> 6	Remote mount transmitter	-40°F to 500°F, -40°C to 260°C
<input type="checkbox"/> 7	Remote mount transmitter	-40°F to 212°F, -40°C to 100°C
<input type="checkbox"/> 8	Remote mount transmitter	-40°F to 356°F, -40°C to 180°C
	Remote mount transmitter	-40°F to 500°F, -40°C to 260°C
		Sensor Cable Connection Terminal block via M20x1,5 2) Terminal block via M20x1,5 2) Terminal block via M20x1,5 2) Terminal block via 1/2" NPT (f) 2) Terminal block via 1/2" NPT (f) 2) Terminal block via 1/2" NPT (f) 2)
<input type="checkbox"/> 0	Approvals (Block no. 16)	
<input type="checkbox"/> A	without approval	
<input type="checkbox"/> B	II 1/2G EEx ia IIC T6 - T2, FM/FMC CL I, DIV 1, GPS ABCD, T*	
	NEPSI	
<input type="checkbox"/> 0	Certificate (Block Nr. 17)	
<input type="checkbox"/> 1	without	
<input type="checkbox"/> 2	Certificate of compliance with the order, 2	
<input type="checkbox"/> B	Test report, 2.2	
<input type="checkbox"/> C	Inspection certificate 3.1 with material certificate (DIN EN 10204:2004)	
	Inspection certificate 3.2 with material certificate (DIN EN 10204:2004)	
<input type="checkbox"/> 0	Supplementary equipment (Block no. 18)	
<input type="checkbox"/> X	without	
	with (separate specification necessary)	
	Media	...
	Process temperature min / max	...
	Ambient temperature min / max	-40°C to 60°C [-40°F to 104°F]
	Range	...
	Working Pressure	...
	Viscosity	...
	Density	...
	TAG-No.	...
	Accuracy (range)	...
	Repeatability	0,05% of rate
	Pressure loss	...
	Certificates add. requirements	see supplies list
	Documentation	...

2) Cable glands, select from accessories list.



**Coriolis Massflowmeter
TM**

TM010 (0 - 1.200 kg/h)



Modelcode

valid: 01.01.2008
version: 01/08 I

Model number Description Notes

Block no. 1 23 4567 891011 12 13 14 15 16 17 18
TM -

S
H
T

25
28

6030
101C
101N
301B
301D
105C
105N
305B
305D
109C
109N
309B
309D
201R
241R
202R
242R
105E
305B
202F
222F
XXXX

0400
XXXX

A
E
F
R
K
W
X

0
1
2
3
4
5
X

U
O
L
R

1
2
3
4
5
6
7
8

0
A
B

0
1
2
B
C

0
X

Wetted materials (Block no. 1)		
Stainless steel		
Hastelloy C-22		
Tantalum		1)

Range (Block no. 2, 3)	Meter line size	Wetted materials
min. 0-120 kg/h max. 0-1.200 kg/h	TM010	S, H
min. 0-120 kg/h max. 0-1.200 kg/h	TM010	T

Process connection (Block no. 4, 5, 6, 7)	Wetted materials
1/2" NPT (f)	S, H
DN10 PN40 Form C DIN 2501	S, H
DN10 PN40 Form N DIN 2512	S, H
DN10 PN40 Form B1 DIN EN 1092-1	S, H
DN10 PN40 Form D DIN EN 1092-1	S, H
DN15 PN40 Form C DIN 2501	S, H
DN15 PN40 Form N DIN 2512	S, H
DN15 PN40 Form B1 DIN EN 1092-1	S, H
DN15 PN40 Form D DIN EN 1092-1	S, H
DN25 PN40 Form C DIN 2501	S, H
DN25 PN40 Form N DIN 2512	S, H
DN25 PN40 Form B1 DIN EN 1092-1	S, H
DN25 PN40 Form D DIN EN 1092-1	S, H
1/2" Class 150 RF ASME B16.5-2003	S, H
1/2" Class 600 RF ASME B16.5-2003	S, H
3/4" Class 150 RF ASME B16.5-2003	S, H
3/4" Class 600 RF ASME B16.5-2003	S, H
DN15 PN40 Form E DIN 2501	T
DN15 PN40 Form B2 DIN EN 1092-1	T
3/4" Class 150 SM3 ASME B16.5-2003	T
3/4" Class 300 SM3 ASME B16.5-2003	T
Agency approved, customer specified.	

Installation length (Block no. 8, 9, 10, 11)
400 mm
Agency approved, customer specified.

Containment options (Block no. 12)	Wetted materials, temperature restriction
Standard sensor body (1.4301, SS304), lid (Aluminum)	max. 120°C
Standard sensor body (1.4301, SS304)	
Pressure-resistant containment, screwed, PN16 (Carbon steel)	T, max. 150°C
Pressure-resistant containment, screwed, PN16 (1.4301, SS304)	T, max. 150°C
Pressure-resistant containment, welded, PN16 (Carbon steel)	T, max. 150°C
Pressure-resistant containment, welded, PN16 (1.4301, SS304)	T, max. 150°C
Agency approved, customer specified.	

Heating / cooling (Block no. 13)	
without	
with connection: Ermeto EQ12	max. 16 bar
with connection: DN15 PN40 Form C DIN 2501	max. 16 bar
with connection: 1/2" Class 150 RF ASME B16.5-2003	max. 16 bar
with connection: DN25 PN40 Form C DIN 2501	max. 16 bar
with connection: 1" Class 150 RF ASME B16.5-2003	max. 16 bar
Agency approved, customer specified.	

Flow direction (Block Nr. 14)
Bottom to top
Top to bottom
Left to right
Right to left

Sensor configuration (Block no. 15)	Temperature Service Rating	Sensor Cable Connection
Integral mount transmitter	-4°F to 212°F, -20°C to 100°C	-
Integral mount transmitter	-4°F to 302°F, -20°C to 150°C	-
Remote mount transmitter	-40°F to 212°F, -40°C to 100°C	Terminal block via M20x1,5 2)
Remote mount transmitter	-40°F to 356°F, -40°C to 180°C	Terminal block via M20x1,5 2)
Remote mount transmitter	-40°F to 500°F, -40°C to 260°C	Terminal block via M20x1,5 2)
Remote mount transmitter	-40°F to 212°F, -40°C to 100°C	Terminal block via 1/2" NPT (f) 2)
Remote mount transmitter	-40°F to 356°F, -40°C to 180°C	Terminal block via 1/2" NPT (f) 2)
Remote mount transmitter	-40°F to 500°F, -40°C to 260°C	Terminal block via 1/2" NPT (f) 2)

Approvals (Block no. 16)
without approval
II 1/2G EEx ia IIC T6 - T2, FM/FMC CL I, DIV 1, GPS ABCD, T*
NEPSI

Certificate (Block Nr. 17)
without
Certificate of compliance with the order, 2.
Test report, 2.2
Inspection certificate 3.1 with material certificate (DIN EN 10204:2004)
Inspection certificate 3.2 with material certificate (DIN EN 10204:2004)

Supplementary equipment (Block no. 18)
without
with (separate specification necessary)

Media	...
Process temperature min / max	...
Ambient temperature min / max	-40°C to 60°C [-40°F to 104°F]
Range	...
Working Pressure	...
Viscosity	...
Density	...
TAG-No.	...
Accuracy (range)	...
Repeatability	0,05% of rate
Pressure loss	...
Certificates add. requirements	see supplies list
Documentation	...

1) T max. = 180°C (356 °F)
2) Cable glands, select from accessories list.



Coriolis Massflowmeter TM

TM015 (0 - 3.000 kg/h)
TM020 (0 - 6.000 kg/h)



Modelcode
valid: 01.01.2008
version: 01/08 I

Model number										Description		Notes					
Block no.	1	23	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
TM	-																
Wetted materials (Block no. 1)																	
S																	
H																	
T																	
Range (Block no. 2, 3)																	
34		min. 0-300 kg/h - max. 0-3.000 kg/h														TM015	S, H
40		min. 0-600 kg/h - max. 0-6.000 kg/h														TM020	S, H
37		min. 0-400 kg/h - max. 0-3.000 kg/h														TM015	T
43		min. 0-700 kg/h - max. 0-6.000 kg/h														TM020	T
Process connection (Block no. 4, 5, 6, 7)																	
105C		DN15 PN40 Form C DIN 2501														S, H	
105N		DN15 PN40 Form N DIN 2512														S, H	
305B		DN15 PN40 Form B1 DIN EN 1092-1														S, H	
305D		DN15 PN40 Form D DIN EN 1092-1														S, H	
109C		DN25 PN40 Form C DIN 2501														S, H	
109N		DN25 PN40 Form N DIN 2512														S, H	
309B		DN25 PN40 Form B1 DIN EN 1092-1														S, H	
309D		DN25 PN40 Form D DIN EN 1092-1														S, H	
121C		DN50 PN40 Form C DIN 2501														S, H	
121N		DN50 PN40 Form N DIN 2512														S, H	
321B		DN50 PN40 Form B1 DIN EN 1092-1														S, H	
321D		DN50 PN40 Form D DIN EN 1092-1														S, H	
201R		½" Class 150 RF ASME B16.5-2003														S, H	
241R		½" Class 600 RF ASME B16.5-2003														S, H	
202R		¾" Class 150 RF ASME B16.5-2003														S, H	
242R		¾" Class 600 RF ASME B16.5-2003														S, H	
203R		1" Class 150 RF ASME B16.5-2003														S, H	
243R		1" Class 600 RF ASME B16.5-2003														S, H	
109E		DN25 PN40 Form E DIN 2501														T	
309B		DN25 PN40 Form B2 DIN EN 1092-1														T	
203F		1" Class 150 SM3 ASME B16.5-2003														T	
223F		1" Class 300 SM3 ASME B16.5-2003														T	
Agency approved, customer specified.																	
Installation length (Block no. 8, 9, 10, 11)																	
0450		450 mm														34, 37, 43	
0550		550 mm														40	
XXXX		Agency approved, customer specified.															
Containment options (Block no. 12)																	
A		Standard sensor body (1.4301, SS304), lid (Aluminum)														max. 120°C	
E		Standard sensor body (1.4301, SS304)															
F		Pressure-resistant containment, screwed, PN16 (Carbon steel)														T, max. 150°C	
R		Pressure-resistant containment, screwed, PN16 (1.4301, SS304)														T, max. 150°C	
K		Pressure-resistant containment, welded, PN16 (Carbon steel)														T, max. 150°C	
W		Pressure-resistant containment, welded, PN16 (1.4301, SS304)														T, max. 150°C	
X		Agency approved, customer specified.															
Heating / cooling (Block no. 13)																	
0		without															
1		with connection: Ermeto EO12														max. 16 bar	
2		with connection: DN15 PN40 Form C DIN 2501														max. 16 bar	
3		with connection: ½" Class 150 RF ASME B16.5-2003														max. 16 bar	
4		with connection: DN25 PN40 Form C DIN 2501														max. 16 bar	
5		with connection: 1" Class 150 RF ASME B16.5-2003														max. 16 bar	
X		Agency approved, customer specified.															
Flow direction (Block Nr. 14)																	
U		Bottom to top															
O		Top to bottom															
L		Left to right															
R		Right to left															
Sensor configuration (Block no. 15)																	
1		Integral mount transmitter										-4°F to 212°F, -20°C to 100°C					
2		Integral mount transmitter										-4°F to 302°F, -20°C to 150°C					
3		Remote mount transmitter										-40°F to 212°F, -40°C to 100°C		Terminal block via M20x1.5 2)			
4		Remote mount transmitter										-40°F to 356°F, -40°C to 180°C		Terminal block via M20x1.5 2)			
5		Remote mount transmitter										-40°F to 500°F, -40°C to 260°C		Terminal block via M20x1.5 2)			
6		Remote mount transmitter										-40°F to 212°F, -40°C to 100°C		Terminal block via ½" NPT (f) 2)			
7		Remote mount transmitter										-40°F to 356°F, -40°C to 180°C		Terminal block via ½" NPT (f) 2)			
8		Remote mount transmitter										-40°F to 500°F, -40°C to 260°C		Terminal block via ½" NPT (f) 2)			
Approvals (Block no. 16)																	
0		without approval															
A		II 1/2G EEx ia IIC T6 - T2, FM/FMC CL1, DIV 1, GPS ABCD, T+															
B		NEPSI															
Certificate (Block Nr. 17)																	
0		without															
1		Certificate of compliance with the order, 2.															
2		Test report, 2.2															
B		Inspection certificate 3.1 with material certificate (DIN EN 10204:2004)															
C		Inspection certificate 3.2 with material certificate (DIN EN 10204:2004)															
Supplementary equipment (Block no. 18)																	
0		without															
X		with (separate specification necessary)															
Media																	
Process temperature min / max																	
Ambient temperature min / max																	
Range																	
Working Pressure																	
Viscosity																	
Density																	
TAG-No.																	
Accuracy (range)																	
Repeatability																	
Pressure loss																	
Certificates add. requirements																	
Documentation																	

¹⁾ T max. = 180°C (356 °F)
²⁾ Cable glands, select from accessories list



Coriolis Massflowmeter TM

TM025 S, H (0 - 20.000 kg/h)
TM025 T (0 - 18.000 kg/h)



Modelcode

valid: 01.01.2008
version: 01/08 I

Model number	Description	Notes
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Block no. 1 23 4567 891011 12 13 14 15 16 17 18
TM

S
H
T

49
46

109C
109N
309B
309D
121C
121N
321B
321D
202R
242R
203R
243R
205R
245R
206R
246R
121E
321B
206F
226F
XXXX

0650
XXXX

A
E
F
R
K
W
X

0
1
2
3
4
5
X

U
O
L
R

1
2
3
4
5
6
7
8

0
A
B

0
1
2
B
C

0
X

Wetted materials (Block no. 1)		
Stainless steel		
Hastelloy C-22		
Tantalum 1)		
Range (Block no. 2, 3)		
min. 0-2.000 kg/h - max. 0-20.000 kg/h	Meter line size	Wetted materials
min. 0-2.000 kg/h - max. 0-18.000 kg/h	TM025	S, H
	TM025	T
Process connection (Block no. 4, 5, 6, 7)		
DN25 PN40 Form C DIN 2501		
DN25 PN40 Form N DIN 2512		
DN25 PN40 Form B1 DIN EN 1092-1		
DN25 PN40 Form D DIN EN 1092-1		
DN50 PN40 Form C DIN 2501		
DN50 PN40 Form N DIN 2512		
DN50 PN40 Form B1 DIN EN 1092-1		
DN50 PN40 Form D DIN EN 1092-1		
1/2" Class 150 RF ASME B16.5-2003		
1/2" Class 600 RF ASME B16.5-2003		
1" Class 150 RF ASME B16.5-2003		
1" Class 600 RF ASME B16.5-2003		
1 1/2" Class 150 RF ASME B16.5-2003		
1 1/2" Class 600 RF ASME B16.5-2003		
2" Class 150 RF ASME B16.5-2003		
2" Class 600 RF ASME B16.5-2003		
DN50 PN40 Form E DIN 2501		
DN50 PN40 Form B2 DIN EN 1092-1		
2" Class 150 SM3 ASME B16.5-2003		
2" Class 300 SM3 ASME B16.5-2003		
Agency approved, customer specified.		
Installation length (Block no. 8, 9, 10, 11)		
650 mm		
Agency approved, customer specified.		
Containment options (Block no. 12)		
Standard sensor body (1.4301, SS304, model S, H), (carbon steel, model T), lid (Aluminum)		Wetted materials, temperature restriction
Standard sensor body (1.4301, SS304, m)		max. 120°C
Pressure-resistant containment, screwed, PN16 (Carbon steel)		T, max. 150°C
Pressure-resistant containment, screwed, PN16 (1.4301, SS304)		T, max. 150°C
Pressure-resistant containment, welded, PN16 (Carbon steel)		T, max. 150°C
Pressure-resistant containment, welded, PN16 (1.4301, SS304)		T, max. 150°C
Agency approved, customer specified.		
Heating / cooling (Block no. 13)		
without		
with connection: Ermeto EQ12		max. 16 bar
with connection: DN15 PN40 Form C DIN 2501		max. 16 bar
with connection: 1/2" Class 150 RF ASME B16.5-2003		max. 16 bar
with connection: DN25 PN40 Form C DIN 2501		max. 16 bar
with connection: 1" Class 150 RF ASME B16.5-2003		max. 16 bar
Agency approved, customer specified.		
Flow direction (Block Nr. 14)		
Bottom to top		
Top to bottom		
Left to right		
Right to left		
Sensor configuration (Block no. 15)		
Integral mount transmitter	Temperature Service Rating	Sensor Cable Connection
Integral mount transmitter	-4°F to 212°F, -20°C to 100°C	-
Integral mount transmitter	-4°F to 302°F, -20°C to 150°C	-
Remote mount transmitter	-40°F to 212°F, -40°C to 100°C	Terminal block via M20x1,5 2)
Remote mount transmitter	-40°F to 356°F, -40°C to 180°C	Terminal block via M20x1,5 2)
Remote mount transmitter	-40°F to 500°F, -40°C to 260°C	Terminal block via M20x1,5 2)
Remote mount transmitter	-40°F to 212°F, -40°C to 100°C	Terminal block via 1/2" NPT (f) 2)
Remote mount transmitter	-40°F to 356°F, -40°C to 180°C	Terminal block via 1/2" NPT (f) 2)
Remote mount transmitter	-40°F to 500°F, -40°C to 260°C	Terminal block via 1/2" NPT (f) 2)
Approvals (Block no. 16)		
without approval		
II 1/2G EEx ia IIC T6 - T2, FM/FMC CL I, DIV 1, GPS ABCD, T*		
NEPSI		
Certificate (Block Nr. 17)		
without		
Certificate of compliance with the order, 2.		
Test report, 2.2		
Inspection certificate 3.1 with material certificate (DIN EN 10204:2004)		
Inspection certificate 3.2 with material certificate (DIN EN 10204:2004)		
Supplementary equipment (Block no. 18)		
without		
with (separate specification necessary)		
Media		
Process temperature min / max		
Ambient temperature min / max		
Range		
Working Pressure		
Viscosity		
Density		
TAG-No.		
Accuracy (range)		
Repeatability		
Pressure loss		
Certificates add. requirements		
Documentation		

1) T max. = 180°C (356 °F)

2) Cable glands, select from accessories list.



**Coriolis Massflowmeter
TM**

TM050 S, H (0 - 40.000 kg/h)
TM050 T (0 - 30.000 kg/h)



Modelcode

valid: 01.01.2008
version: 01/08 I

Model number	Description	Notes
Block no. 1 23 4567 891011 12 13 14 15 16 17 18		
TM		
S H T	Wetted materials (Block no. 1)	
	Stainless steel	
	Hastelloy C-22	
	Tantalum	1)
55 54	Range (Block no. 2, 3)	Meter line size
	min. 0-4.000 kg/h - max. 0-40.000 kg/h	TM050
	min. 0-4.000 kg/h - max. 0-30.000 kg/h	TM050
		Wetted materials
		S, H
		T
121C 121N 321B 321D 131C 131N 331B 331D 136C 136N 336B 336D 205R 245R 206R 246R 208R 248R 131E 331B 208F XXXX	Process connection (Block no. 4, 5, 6, 7)	Wetted materials
	DN50 PN40 Form C DIN 2501	S, H
	DN50 PN40 Form N DIN 2512	S, H
	DN50 PN40 Form B1 DIN EN 1092-1	S, H
	DN50 PN40 Form D1 DIN EN 1092-1	S, H
	DN80 PN40 Form C DIN 2501	S, H
	DN80 PN40 Form N DIN 2512	S, H
	DN80 PN40 Form B1 DIN EN 1092-1	S, H
	DN80 PN40 Form D1 DIN EN 1092-1	S, H
	DN100 PN40 Form C DIN 2501	S, H
	DN100 PN40 Form N DIN 2512	S, H
	DN100 PN40 Form B1 DIN EN 1092-1	S, H
	DN100 PN40 Form D1 DIN EN 1092-1	S, H
	1½" Class 150 RF ASME B16.5-2003	S, H
	1½" Class 600 RF ASME B16.5-2003	S, H
	2" Class 150 RF ASME B16.5-2003	S, H
	2" Class 600 RF ASME B16.5-2003	S, H
	3" Class 150 RF ASME B16.5-2003	S, H
	3" Class 600 RF ASME B16.5-2003	S, H
	DN80 PN40 Form E DIN 2501	T
	DN80 PN40 Form B2 DIN EN 1092-1	T
	3" Class 150 SM3 ASME B16.5-2003	T
	Agency approved, customer specified.	
0750 XXXX	Installation length (Block no. 8, 9, 10, 11)	
	750 mm	
	Agency approved, customer specified.	
S E F R K W X	Containment options (Block no. 12)	Wetted materials, temperature restriction
	Standard sensor body (Carbon steel), lid (Aluminum)	max. 120°C
	Standard sensor body (1.4301, SS304)	
	Pressure-resistant containment, screwed, PN16 (Carbon steel)	T, max. 150°C
	Pressure-resistant containment, screwed, PN16 (1.4301, SS304)	T, max. 150°C
	Pressure-resistant containment, welded, PN16 (Carbon steel)	T, max. 150°C
	Pressure-resistant containment, welded, PN16 (1.4301, SS304)	T, max. 150°C
	Agency approved, customer specified.	
0 1 2 3 4 5 X	Heating / cooling (Block no. 13)	
	without	
	with connection: Ermeto EQ12	max. 40 bar
	with connection: DN15 PN40 Form C DIN 2501	max. 40 bar
	with connection: ½" Class 150 RF ASME B16.5-2003	max. 40 bar
	with connection: DN25 PN40 Form C DIN 2501	max. 40 bar
	with connection: 1" Class 150 RF ASME B16.5-2003	max. 40 bar
	Agency approved, customer specified.	
U O L R	Flow direction (Block Nr. 14)	
	Bottom to top	
	Top to bottom	
	Left to right	
	Right to left	
1 2 3 4 5 6 7 8	Sensor configuration (Block no. 15)	Temperature Service Rating
	Integral mount transmitter	-4°F to 212°F, -20°C to 100°C
	Integral mount transmitter	-4°F to 302°F, -20°C to 150°C
	Remote mount transmitter	-40°F to 212°F, -40°C to 100°C
	Remote mount transmitter	-40°F to 356°F, -40°C to 180°C
	Remote mount transmitter	-40°F to 500°F, -40°C to 260°C
	Remote mount transmitter	-40°F to 212°F, -40°C to 100°C
	Remote mount transmitter	-40°F to 356°F, -40°C to 180°C
	Remote mount transmitter	-40°F to 500°F, -40°C to 260°C
		Sensor Cable Connection
		Terminal block via M20x1,5 2)
		Terminal block via M20x1,5 2)
		Terminal block via ½" NPT (f) 2)
		Terminal block via ½" NPT (f) 2)
		Terminal block via ½" NPT (f) 2)
0 A B	Approvals (Block no. 16)	
	without approval	
	II 1/2G EEx ia IIC T6 - T2, FM/FMC CL I, DIV 1, GPS ABCD, T*	
	NEPSI	
0 1 2 B C	Certificate (Block Nr. 17)	
	without	
	Certificate of compliance with the order, 2.	
	Test report, 2.2	
	Inspection certificate 3.1 with material certificate (DIN EN 10204:2004)	
	Inspection certificate 3.2 with material certificate (DIN EN 10204:2004)	
0 X	Supplementary equipment (Block no. 18)	
	without	
	with (separate specification necessary)	
	Media	...
	Process temperature min / max	...
	Ambient temperature min / max	-40°C to 60°C [-40°F to 104°F]
	Range	...
	Working Pressure	...
	Viscosity	...
	Density	...
	TAG-No.	...
	Accuracy (range)	...
	Repeatability	0,05% of rate
	Pressure loss	...
	Certificates add. requirements	see supplies list
	Documentation	...

1) T max. = 180°C (356 °F)

2) Cable glands, select from accessories list.



Coriolis Massflowmeter TM

TM080 T (0 - 65.000 kg/h)



Modelcode
valid: 01.01.2008
version: 01/08 I

Model number	Description	Notes
Block no. 1 23 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18		
TM		
S H T	Wetted materials (Block no. 1)	
	Stainless steel	
	Hastelloy C-22	
	Tantalum	1)
XX	Range (Block no. 2, 3)	
	min. 0-6.000 kg/h - max. 0-65.000 kg/h	
	Meter line size	TM080
	Wetted materials	T
135E 335B 210F XXXX	Process connection (Block no. 4, 5, 6, 7)	
	DN100 PN16 Form E DIN 2501	T
	DN100 PN16 Form B2 DIN EN 1092-1	T
	4" Class 150 SM3 ASME B16.5-2003	T
	Agency approved, customer specified.	
0730 XXXX	Installation length (Block no. 8, 9, 10, 11)	
	730 mm	
	Agency approved, customer specified.	
S E X	Containment options (Block no. 12)	Wetted materials, temperature restriction
	Standard sensor body (Steel)	
	Standard sensor body (1.4301, SS304)	
	Agency approved, customer specified.	
0 1 2 3 4 5 X	Heating / cooling (Block no. 13)	
	without	
	with connection: Ermeto EO12	max. 40 bar
	with connection: DN15 PN40 Form C DIN 2501	max. 40 bar
	with connection: 1/2" Class 150 RF ASME B16.5-2003	max. 40 bar
	with connection: DN25 PN40 Form C DIN 2501	max. 40 bar
	with connection: 1" Class 150 RF ASME B16.5-2003	max. 40 bar
	Agency approved, customer specified.	
U O L R	Flow direction (Block Nr. 14)	
	Bottom to top	
	Top to bottom	
	Left to right	
	Right to left	
1 2 3 4 5 6 7 8	Sensor configuration (Block no. 15)	Temperature Service Rating
	Integral mount transmitter	-4°F to 212°F, -20°C to 100°C
	Integral mount transmitter	-4°F to 302°F, -20°C to 150°C
	Remote mount transmitter	-40°F to 212°F, -40°C to 100°C
	Remote mount transmitter	-40°F to 356°F, -40°C to 180°C
	Remote mount transmitter	-40°F to 500°F, -40°C to 260°C
	Remote mount transmitter	-40°F to 212°F, -40°C to 100°C
	Remote mount transmitter	-40°F to 356°F, -40°C to 180°C
	Remote mount transmitter	-40°F to 500°F, -40°C to 260°C
	Remote mount transmitter	-40°F to 500°F, -40°C to 260°C
	Terminal block via M20x1,5	2)
	Terminal block via M20x1,5	2)
	Terminal block via M20x1,5	2)
	Terminal block via 1/2" NPT (f)	2)
	Terminal block via 1/2" NPT (f)	2)
	Terminal block via 1/2" NPT (f)	2)
	Terminal block via 1/2" NPT (f)	2)
0 A B	Approvals (Block no. 16)	
	without approval	
	II 1/2G EEx ia IIC T6 - T2, FM/FMC CL I, DIV 1, GPS ABCD, T*	
	NEPSI	
0 1 2 B C	Certificate (Block Nr. 17)	
	without	
	Certificate of compliance with the order, 2	
	Test report, 2.2	
	Inspection certificate 3.1 with material certificate (DIN EN 10204:2004)	
	Inspection certificate 3.2 with material certificate (DIN EN 10204:2004)	
0 X	Supplementary equipment (Block no. 18)	
	without	
	with (separate specification necessary)	
	Media	...
	Process temperature min / max	...
	Ambient temperature min / max	-40°C to 60°C [-40°F to 104°F]
	Range	...
	Working Pressure	...
	Viscosity	...
	Density	...
	TAG-No.	...
	Accuracy (range)	...
	Repeatability	0,05% of rate
	Pressure loss	...
	Certificates add. requirements	see supplies list
	Documentation	...

¹⁾ T max. = 180°C (356 °F)

²⁾ Cable glands, select from accessories list.