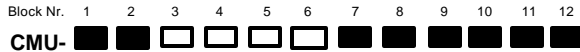


Block 1 2 3 4 5 6 7 8 9 10 11 12
 Model CMU-

CMU-	CMU Coriolis Flowmeter Element Base		
code	Meter Line Size (Block Nr. 1)	lb/min Range (min/max)	kg/hr Range (min/max)
C	1/4 inch [DN 8]	0 - 2.2 / 0 - 22	0 - 60 / 0 - 600
D	3/8 inch [DN 10]	0 - 9.2 / 0 - 92	0 - 250 / 0 - 2500
E	1/2 inch [DN 15]	0 - 44 / 0 - 440	0 - 1200 / 0 - 12000
G	1 inch [DN 25]	0 - 110 / 0 - 1100	0 - 3000 / 0 - 30000
H	1.5 inch [DN 40]	0 - 220 / 0 - 2205	0 - 6000 / 0 - 60000
J	2 inch [DN 50]	0 - 735 / 0 - 2940	0 - 20000 / 0 - 80000
K	3 inch [DN 80]	0 - 920 / 0 - 4410	0 - 25000 / 0 - 120000
L	4 inch [DN 100]	0 - 1100 / 0 - 7350	0 - 30000 / 0 - 200000
N	6 inch [DN 150]	0 - 2205 / 0 - 16900	0 - 60000 / 0 - 460000
P	8 inch [DN 200]	0 - 5510 / 0 - 25720	0 - 150000 / 0 - 700000
Q	10 inch [DN 250]	0 - 11000 / 0 - 55000	0 - 300000 / 0 - 1500000
R	12 inch [DN 300]	0 - 14700 / 0 - 80800	0 - 400000 / 0 - 22000000
W	Agency approved, customer specified		
*	Other		
code	Wetted Materials (Block Nr. 2)		
A	316L Stainless Steel (1.4404)		
B	Hastelloy C-22		
W	Agency approved, customer specified		
*	Other		
code	Process Connections (Block Nr. 3,4,5,6)		
Select from Table 1	Refer to CMU End Connections Table 1		
code	Containment Options (Block Nr. 7)		
0	Sealed containment; no drain		
1	Sealed containment with drain connection (1/2" Female NPT)		
W	Agency approved, customer specified		
*	Other		
code	Heating/Cooling (Block Nr. 8)		
0	Not Required		
A	Required (Connection: 1/2" 150 lb ANSI Flange)		
W	Agency approved, customer specified		
*	Other		
code	Transmitter Interface (Block 9)	Temperature Service Rating	Sensor Cable Connection
A	Integral mount transmitter	-4° to 212°F / -20° to 100°C	N/A
B	Integral mount transmitter; includes 4" (100mm) extension	-4° to 302°F / -20° to 150°C	N/A
C	Remote mount transmitter ^{*2}	-40° to 212°F / -40° to 100°C	terminal block via 1/2" (F)NPT ^{*2}
D	Remote mount transmitter ^{*2}	-40° to 356°F / -40° to 180°C	terminal block via 1/2" (F)NPT ^{*2}
E	Remote mount transmitter ^{*2}	-40° to 500°F / -40° to 260°C	terminal block via 1/2" (F)NPT ^{*2}
F	Remote mount transmitter ^{*2}	-40° to 212°F / -40° to 100°C	terminal block via M20X1.5 ^{*2}
G	Remote mount transmitter ^{*2}	-40° to 356°F / -40° to 180°C	terminal block via M20X1.5 ^{*2}
H	Remote mount transmitter ^{*2}	-40° to 500°F / -40° to 260°C	terminal block via M20X1.5 ^{*2}
J	Remote mount transmitter ^{*3,11}	-40° to 140°F / -40° to 60°C	plug-in connector ^{*3}
K	Remote mount transmitter ^{*3}	-40° to 212°F / -40° to 100°C	plug-in connector ^{*3}
L	Remote mount transmitter ^{*3}	-40° to 356°F / -40° to 180°C	plug-in connector ^{*3}
M	Remote mount transmitter ^{*3}	-40° to 500°F / -40° to 260°C	plug-in connector ^{*3}
W	Agency approved, customer specified		
code	Calibration-Flow (Block Nr.10)		
1	Standard 3-point		
2	10-Point High Accuracy (supply flow range when ordering)		
3	Outside Lab		
W	Other, Agency Approved		
code	Calibration-Density (Block Nr. 11)		
0	Standard fixed value of application fluid, temperature compensated.		
1	3-point calibration		
2	5-point calibration		
W	Other, Agency Approved		
code	Agency Approvals (Block Nr. 12)		
0	None		
A	FM/FMC: Class I, Div. 1, Groups A, B, C, D. ATEX (1)2G EEx d [ia] IIB/IIC T3-T6		

Example: **CMU-HAFBGA00B11A**

CM Series



Enter code in Blocks 3,4,5	Type of Connection	Code in Block 1:											
		Line Size -inches: -DN:	C	D	E	G	H	J	K	L	N	P	Q
		1/4 8	3/8 10	1/2 15	1 25	1.5 40	2 50	3 80	4 100	6 150	8 200	10 250	12 300
NQ0	1/4 inch FNPT		●	●									
NH0	1/2 inch FNPT		●	●	●								
FHG	1/2 inch 150 lb RF ANSI B16.5		●	●	●								
FHJ	1/2 inch 600 lb RF ANSI B16.5		●	●	●								
FTG	3/4 inch 150 lb RF ANSI B16.5			●	●	●							
FTJ	3/4 inch 600 lb RF ANSI B16.5			●	●	●							
F1G	1 inch 150 lb RF ANSI B16.5				●	●							
F1J	1 inch 600 lb RF ANSI B16.5				●	●							
FBG	1.5 inch 150 lb RF ANSI B16.5					●	●	●					
FBJ	1.5 inch 600 lb RF ANSI B16.5					●	●	●					
F2G	2 inch 150 lb RF ANSI B16.5					●	●	●	●				
F2J	2 inch 600 lb RF ANSI B16.5					●	●	●	●				
F3G	3 inch 150 lb RF ANSI B16.5							●	●	●			
F3J	3 inch 600 lb RF ANSI B16.5							●	●	●			
F4G	4 inch 150 lb RF ANSI B16.5								●	●	●		
F4H	4 inch 300 lb RF ANSI B16.5								●	●	●		
F4J	4 inch 600 lb RF ANSI B16.5								●	●	●		
F6G	6 inch 150 lb RF ANSI B16.5									●	●	●	
F6H	6 inch 300 lb RF ANSI B16.5									●	●	●	
F6J	6 inch 600 lb RF ANSI B16.5									●	●	●	
F8G	8 inch 150 lb RF ANSI B16.5										●	●	●
F8H	8 inch 300 lb RF ANSI B16.5										●	●	●
F8J	8 inch 600 lb RF ANSI B16.5											●	●
FNG	10 inch 150 lb RF ANSI B16.5											●	●
FNH	10 inch 300 lb RF ANSI B16.5											●	●
FNJ	10 inch 600 lb RF ANSI B16.5											●	●
FVG	12 inch 150 lb RF ANSI B16.5												●
FVH	12 inch 300 lb RF ANSI B16.5												●
FVJ	12 inch 600 lb RF ANSI B16.5												●
FFG	14 inch 150 lb RF ANSI B16.5												●
FFH	14 inch 300 lb RF ANSI B16.5												●
FFJ	14 inch 600 lb RF ANSI B16.5												●
FXG	16 inch 150 lb RF ANSI B16.5												●
WWW	Agency Approved, Customer Specified ⁺¹⁴												
***	Other ⁺¹⁴												
FD3	DN10 PN40 Form C DIN 2501		●	●									
FE3	DN15 PN40 Form C DIN 2501			●	●								
FG3	DN25 PN40 Form C DIN 2501			●	●	●							
FH3	DN40 PN40 Form C DIN 2501				●	●	●	●					
FJ3	DN50 PN40 Form C DIN 2501				●	●	●	●	●				
FK3	DN80 PN40 Form C DIN 2501					●	●	●	●	●			
FL2	DN100 PN16 Form C DIN 2501						●	●	●	●	●		
FM2	DN125 PN16 Form C DIN 2501							●	●	●	●		
FP2	DN150 PN16 Form C DIN 2501								●	●	●	●	
FR2	DN200 PN16 Form C DIN 2501									●	●	●	●
FS1	DN250 PN10 Form C DIN 2501											●	●
FS2	DN250 PN16 Form C DIN 2501										●	●	●
FU1	DN300 PN10 Form C DIN 2501											●	●
FY1	DN350 PN10 Form C DIN 2501												●
FZ1	DN400 PN10 Form C DIN 2501												●
FD6	DN10 PN40 Form N DIN 2512		●	●									
FE6	DN15 PN40 Form N DIN 2512			●	●								
FG6	DN25 PN40 Form N DIN 2512			●	●	●							
FH6	DN40 PN40 Form N DIN 2512				●	●	●						
FJ6	DN50 PN40 Form N DIN 2512				●	●	●	●					
FK6	DN80 PN40 Form N DIN 2512					●	●	●	●				
FL5	DN100 PN16 Form N DIN 2512						●	●	●				
FM5	DN125 PN16 Form N DIN 2512							●	●	●			
FR5	DN200 PN16 Form N DIN 2512								●	●	●	●	
FS4	DN250 PN10 Form N DIN 2512											●	●
FU4	DN300 PN10 Form N DIN 2512											●	●
FY4	DN350 PN10 Form N DIN 2512												●
FZ4	DN400 PN10 Form N DIN 2512												●
WWW	Agency Approved, Customer Specified ⁺¹⁴												
***	Other ⁺¹⁴												

Enter code in Block 6	Connection Material
A	316L Stainless Steel (1.4404)
B	Hastelloy C-22
W	Agency approved, customer specified ⁺²
*	Other ⁺¹⁴

Notes:

● = Standard connection available

■ = Non standard, consult FCI for availability

⁺¹⁴ Whenever " W " or " * " used, same must be used in all blocks 3,4,5 and 6

CM Series

Model CT Transmitter for use with Model CMU

Block 1 2 3 4 5 6 7

Model CT-

CT- CT Coriolis Flowmeter Transmitter Base

	Mounting (Block Nr. 1)	Connection to Sensor Cable	Conduit Port Opening
A	Integral mount (specify "0" in blocks 6 and 7 below)	N/A	1/2" (FNPT)
B	Integral mount (specify "0" in blocks 6 and 7 below)	N/A	M20X1.5
C	Remote mount; includes wall mount bracket* ⁸	terminal block via 1/2" (F)NPT* ⁴	1/2" (FNPT)
D	Remote mount; includes wall mount bracket* ⁸	terminal block via M20X1.5* ⁴	M20X1.5
E	Remote mount; includes wall mount bracket* ⁸	plug-in connector* ⁵	1/2" (FNPT)
F	Remote mount; includes wall mount bracket* ⁸	plug-in connector* ⁵	M20X1.5
W	Agency approved, customer specified		
Display/Interface Board (Block 2)			
0	None		
1	Integral within transmitter housing		
2	Remotable, separate board plus panel mounting adapter kit* ⁶		
Power Supply (Block 3)			
1	90 to 265 Vac, 50/60 Hz		
2	19 to 36 Vdc; 22 to 28 Vac		
W	Agency approved, customer specified		
Outputs (Block 4)			
A	(2) 4-20mA outputs (w/HART®), (1) pulse/frequency (passive,24Vdc), Status (passive, 24Vdc)		
B	(2) 4-20mA outputs (w/HART®), (1) pulse/frequency (active,24Vdc), Status (passive, 24Vdc)		
C	Custody transfer, (1) 4-20mA outputs (w/HART®), (2) pulse (passive,24Vdc), Status (passive, 24Vdc)* ⁷		
D	Profibus PA (EExi) (all analog and digital outputs disabled)		
W	Agency approved, customer specified		
Agency Approvals (Block Nr. 5)			
0	None required		
A	Approvals: FM: Class, I, Div. 1, Group A, B, C, D. FMC: Class I, Div. 1 Groups, C, D. ATEX (1)2G EEx d [ia] IIB/IIC T3-T6]		
*	Other		
Sensor-to-Transmitter Interface Cable-Type (Block 6)			
0	None required		
1	Open wire at both ends (wire/wire)		
2	Open wire on one end, plug-in connector on opposite end (wire/connector)		
3	Plug-in connectors on both ends (connector/connector)		
*	Other		
Sensor-to-Transmitter Interface Cable-Length (Block 7)			
0	None required		
A	15 feet (5 meters)		
B	30 feet (10 meters)		
C	50 feet (15 meters)		
D	100 feet (30 meters)		
E	245 feet (75 meters)		
F	490 feet (150 meters)		
G	984 feet (300 meters)		
*	Other (Specify Length)		

Example: CT-A11A000

Notes:

- *4: Must select interconnection cable type, code 1 or 2, in block 6 and select length in block 7
- *5: Must select interconnection cable type, code 2 or 3, in block 6 and select length in block 7
- *6: Select 3-conductor cable CMCBL4-x from cable accessories list
- *7: Reset capabilities disabled, sealed and certified tamper-proof software.
- *8: For pipe mounting order accessory part number CM-BKIT1 separately.

CM Series

Cables, Accessories, Certifications and Documents

Sensor-to-Transmitter Interconnecting Cables:

Cable Length
15 feet (5 meters)
30 feet (10 meters)
50 feet (15 meters)
100 feet (30 meters)
245 feet (75 meters)
490 feet (150 meters)
984 feet (300 meters)
Agency approved, customer specified

Wire/Wire ^{*17} (open wire at both ends)	Part Number
CMCBL1-5	
CMCBL1-10	
CMCBL1-15	
CMCBL1-30	
CMCBL1-75	
CMCBL1-150	
CMCBL1-300	
CMCBL1-W	

Wire/Connector ^{*18} (Open wire on one end, plug-in connector on opposite end)	Part Number
CMCBL2-5	
CMCBL2-10	
CMCBL2-15	
CMCBL2-30	
CMCBL2-75	
CMCBL2-150	
CMCBL2-300	
CMCBL2-W	

Connector/Connector ^{*19} (plug-in connector at both ends)	Part Number
CMCBL3-5	
CMCBL3-10	
CMCBL3-15	
CMCBL3-30	
CMCBL3-75	
CMCBL3-150	
CMCBL3-300	
CMCBL3-W	

**17: Select this cable when terminal block connection is specified for both sensor and transmitter*

- use for CMB to CT-C or CT-D
- use for CMM to CT-C or CT-D
- use for CMU (block 9 codes C,D,E,F,G or H) to CT-C or CT-D

**18: Select this cable when plug-in connector is specified on either sensor or transmitter and terminal block is specified on the other.*

- use for CMM to CT-E or CT-F
- use for CMU (block 9 codes C,D,E,F,G or H) to CT-E or CT-F

**19: Select this cable when plug-in connector is specified on both sensor and transmitter*

- use for CMU (block 9 codes J,K, L or M) to CT-E or CT-F

Cable Length
15 feet (5 meters)
30 feet (10 meters)
50 feet (15 meters)
100 feet (30 meters)
245 feet (75 meters)
490 feet (150 meters)
984 feet (300 meters)
Agency approved, customer specified

Transmitter-to-Interface Board Cable, 3-Conductor	Part Number
CMCBL4-5	
CMCBL4-10	
CMCBL4-15	
CMCBL4-30	
CMCBL4-75	
CMCBL4-150	
CMCBL4-300	
CMCBL4-W	

Part Number
CM-PKIT1
CM-BKIT1
CM-CERT1
CM-CERT2
CM-CERT3
CM-CERT4
CM-CERT5
CM-LKDP
CM-LKXR
CM-OXCL
CM-MCPL
CM-HELA
CM-HELB
CM-WWWW

Accessories and Documentation
Panel Mount Display/Interface Board. (Also select mating 3-conductor cable from listing)
Remote Transmitter Mounting Bracket for 2" [51mm] Pipe
Certificate of Conformance with test reports (C of C) - per EN 10204 Art. 2.2
Inspection Certificate (confirm C of C independent of production) - per EN 10204 Art. 3.1
Inspection Certificate (confirm C of C under outside inspection) - per EN 10204 Art. 3.2
Pressure Certification
NACE MR 0175-99 Certification
Welding Dye Penetration Test
Weld X-Ray
Oxygen cleaning - BGV B7 (Oxygen), (free of oils)
Manufacturing control plan
Helium-leakage test for CMU sizes to 1.5" [DN40]
Helium-leakage test for CMU sizes 2" to 12" [DN50 to DN300]
Other, Agency Approved, Customer Specified

Part Number
CM-CG01
CM-CG02
CM-CG03
CM-CG04
CM-CG05
CM-CG06
CM-CG07
CM-CG08
CM-CG09
CM-CG10
CM-CG11
CM-CG12

Cable Gland Kit (kit includes 1 for power wiring, 1 for signal wiring and 2 blind plugs)
M20X1.5; for use with integral mount transmitter; non-rated
1/2" NPT; for use with integral mount transmitter; non-rated
M20X1.5; for use with integral mount transmitter; EEx de - EEx ia rated
1/2" NPT; for use with integral mount transmitter; EEx de - EEx ia rated
M20X1.5; for use with integral mount transmitter; EEx de - EEx e rated
1/2" NPT; for use with integral mount transmitter; EEx de - EEx e rated
M20X1.5; for use with remote mount transmitter; non-rated
1/2" NPT; for use with remote mount transmitter; non-rated
M20X1.5; for use with remote mount transmitter; EEx de - EEx ia rated
1/2" NPT; for use with remote mount transmitter; EEx de - EEx ia rated
M20X1.5; for use with remote mount transmitter; EEx de - EEx e rated
1/2" NPT; for use with remote mount transmitter; EEx de - EEx e rated