

SmartLine® VersaFlow Coriolis 100 CM01 Size 15 Stainless Steel

Model Selection Guide
36- CM-16-25 Issue 22

Model Selection Guide with Price Data

Honeywell Proprietary

- Secondary pressure containment around sensor
- Easily drained and easy to clean
- Regardless of type of installation and external factors
- Excellent zero stability
- Low energy consumption, low operating and installation costs
- Rapid signal processing even with product and temperature changes and sudden changes in density
- Modular electronics concept: electronics and sensor easy to replace
- Data redundancy: accurate plug & play replacement of electronics



Instructions

Select the desired key number. The arrow to the right marks the selection available.
Make the desired selections from Tables I through VIII using the column below the proper arrow. A dot (•) denotes availability.

Table	I	II	III	IV	V	VI	VII	VIII	IX
CM01	4	-----	-	--	---	---	-	--	-

List Price equals the sum of prices for all selections made.

KEY NUMBER	Description	Selection	Availability
CM01		CM01	↓

TABLE I	Selection	Availability
Sensor	4	•

TABLE II	Selection	Availability
Tube Material	Stainless Steel	S_ _ _ •
Surface Finish	Standard Polished Ra 0.8 µm including certificate See Note 2	_ 0 _ _ • _ 2 _ _ •
Flange Connection Size	DN 25 PN 40 to DIN 2501 DN 25 PN 100 to DIN 2501 DN 15 PN 40 to DIN 2501 DN 15 PN 100 to DIN 2501 DN 40 PN 40 to DIN 2501 1" ASME 150 lb 1" ASME 300 lb 1" ASME 600 lb 1/2" ASME 150 lb 1/2" ASME 300 lb 1/2" ASME 600 lb 3/4" ASME 150 lb 3/4" ASME 300 lb 3/4" ASME 600 lb 25 A JIS 20 K 15 A JIS 20 K	_ _ C A • _ _ C C d _ _ B A • _ _ B C d _ _ D A • _ _ M D • _ _ M E • _ _ M F d _ _ K D • _ _ K E • _ _ K F d _ _ L D • _ _ L E • _ _ L F d _ _ V H • _ _ U H •
Hygienic and Aseptic Connectors	DN 25 DIN 11864-2 Form A Type N DN 25 to DIN 11851SC threaded DN 25 Tri-clamp to DIN 32676 1" Triclover clamp 1" Tri-clamp to ISO 2852 1" SMS	_ _ C L • _ _ C M • _ _ C N • _ _ M R • _ _ M T • _ _ M V •

TABLE III	Selection	Availability
Sealing face	Standard (Type B1 for PN 40 & B2 for PN 63/100 acc. EN 1092-1) EN 1092-1 Type C with tongue EN 1092-1 Type D with groove RTJ Acc ASME B16.5 (available with ASME 300 lb and above)	0 • C c D c E m

The minimum value of orders acceptable for Honeywell is USD 500. Handling fee is the amount of the difference between USD 500 and the actual purchase price.

TABLE IV

		Selection	Availability
Secondary Containment	All externals SS 304 L No secondary pressure containment. Typical burst pressure > 100 bar	G _	•
	All externals SS 316 L No secondary pressure containment. Typical burst pressure > 100 bar	H _	•
	All externals SS 304 L Max Sec. Pressure containment 63 bar/913 psi (PED approved)	0 _	•
	All externals SS 316 L Max Sec. Pressure containment 63 bar/913 psi (PED approved)	A _	•
	All externals SS 316 L Max Sec. Pressure containment 100 bar/1450 psi (PED approved)	B _	•
Options	None	_ 0	•
	Liquid/steam heating jacket-Ermeto (max.temp 130°C/266°F)	_ 1	•
	Liquid/steam heating jacket-1/2" NP' (max.temp 130°C/266°F)	_ 2	•
	Purge fittings-1/2" NPTF	_ 3	•

TABLE V

Hazardous Area Approvals	None	0 _ _	•
	ATEX Ex ia (T1-T6)	1 _ _	h
	FM Class 1 Div 1/Div 2	3 _ _	b
	CSA Class 1 Div 1/Div 2 (including CRN approval)/Dual Seal for liquids	5 _ _	b
	CSA Class 1 Div 1/Div 2 (including CRN approval)/Dual Seal for gases	6 _ _	b
	cFMus (US standards)	T _ _	h
Hygienic/Sanitary Approvals (requires polishing option)	cFMus (Canadian Standards) / Dual seal for liquids	U _ _	h
	cFMus (Canadian Standards) / Dual seal for gases	V _ _	h
	IEC Ex ia (T1-T6)	R _ _	h
	None	_ 0 _	•
	3A (American Dairy Approval) Polished Ra 0.8 also required	_ 2 _	e
Configuration	Compact/integral mount	_ _ 0	•
	Remote/field mount Alu Junction box	_ _ 1	•
	Remote/field mount SS Junction box	_ _ 2	•
	Direct Digital Comms (DDC) Alu JB via Modbus (with TWC 010 only)	_ _ D	b
	Direct Digital Comms (DDC) SS JB via Modbus (with TWC 010 only)	_ _ E	b

TABLE VI

Calibration	Standard 3 point flow and density calibration	0 _ _	•
	5 point calibration evenly spread accross nom. flow rate	1 _ _	•
Cleaning/Degreasing	None	_ 0 _	•
	Degreasing wetted parts plus certificate	_ 1 _	•
Extended Options	None	_ _ 0	•

TABLE VII

No Selection	None	V	•
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TABLE VIII

Converter Type	TWC 010 C Requires a separate MSG# to be entered. CM93 MSG # 36-CM-16-24	1 _	g
	TWC 9400 Compact mount Requires a separate MSG# to be entered. Either CM96 MSG# 36-CM-16-50 or CM97 MSG# 36-CM-16-52	6 _	k
	TWC 9400 Field mount	7 _	k
Destination	Other	_ 0	•

Table IX

Functional Safety	Without	0	•
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RESTRICTIONS

Letter	Restriction Table	Available only with		Not available with	
		Table	Selection	Table	Selection
b	VIII		1 _		
c	II		_ _ CA, _ _ CC, _ _ BA, _ _ BC		
d	IV		B _		
e	II		_ _ C L, _ _ C M, _ _ C N, _ _ M R, _ _ M T, _ _ M V		
g	V		_ _ D, _ _ E	V	1 _ _ , T _ _ , U _ _ , V _ _ , R _ _
h	VIII		6 _ , 7 _		
k	V		0 _ _ , 1 _ _ , T _ _ , U _ _ , V _ _ , R _ _		
m	II		_ _ ME, _ _ MF, _ _ KE, _ _ KF, _ _ LE, _ _ LF		

Secondary Containment Information + Polishing Information

Note 1

Secondary Containment Information

The following information is provided to try to simplify the selection of the secondary containment /outer casing option

G	All externals SS 304/L	No secondary pressure containment. Typical burst pressure > 100 bar
H	All externals SS 316/L	No secondary pressure containment. Typical burst pressure > 100 bar
0	All externals SS 304/L	Max Sec. Pressure containment 63 bar/913 psi (PED approved)
A	All externals SS 316/L	Max Sec. Pressure containment 63 bar/913 psi (PED approved)
B	All externals SS 316/L	Max Sec. Pressure containment 100 bar/1450 psi (PED approved)

Notes:

1. There are no longer any flange constraints for options G and H
2. You may now choose the required outer casing (option G and H) in combination with any process connection irrespective of the pressure rating.
3. Most applications do not require secondary containment, so the 304L (option G) may be used unless 316L is specifically requested.
4. The food and pharmaceutical industries require 316L materials in most cases so option H will be suitable here.
5. Options O, A and B are available for customers who still require PED approved secondary containment.
6. On Options O, A and B flanges with higher pressure ratings than the secondary pressure containment can not be ordered.

Warning

In the case of high pressure gases, gases kept as liquids at high pressures and/or where there is a danger of the measuring tube failing due to process conditions, e.g. with erosive or corrosive products, it is strongly recommended that a secondary pressure containment option is purchased. Where process pressures exceed the secondary containment pressure rating, an optional burst disc should be fitted. This is highly recommended for High pressure gases. Please consult factory.

Note 2

Polishing Information

1. To guarantee the surface finish of an CM Coriolis Meter, it is mandatory to order the polishing option as per the price list
2. This is also mandatory for a meter requested with hygienic approvals
3. For all other meters, the surface finish can not be guaranteed unless polishing is ordered as per 1.

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