

## SmartLine® VersaFlow Coriolis 100 CM02 Size 25 Stainless Steel

Model Selection Guide  
36-CM-16-26 Issue 23

## 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
CM02	4	-----	-	--	---	---	-	--	-

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

KEY NUMBER	Description	Selection	Availability
CM02		CM02	↓

### TABLE I

Sensor	4	•

### TABLE II

Tube Material	Stainless Steel	S	•
Surface Finish	Standard Polished Ra 0.8 µm <b>See Note 2</b>	_0_	•
		_2_	•
Flange Connection Size	DN 40 PN 40 to DIN 2501	_ _ D A	•
	DN 40 PN 100 to DIN 2501	_ _ D C	d
	DN 25 PN 40 to DIN 2501	_ _ C A	•
	DN 25 PN 100 to DIN 2501	_ _ C C	d
	DN 50 PN 40 to DIN 2501	_ _ E A	•
	1 1/2" ASME 150 lb	_ _ N D	•
	1 1/2" ASME 300 lb	_ _ N E	•
	1 1/2" ASME 600 lb	_ _ N F	d
	1" ASME 150 lb	_ _ M D	•
	1" ASME 300 lb	_ _ M E	•
	1" ASME 600 lb	_ _ M F	d
	2" ASME 150 lb	_ _ P D	•
	40 A JIS 20 K	_ _ W H	•
25 A JIS 20 K	_ _ V H	•	
Hygienic and Aseptic Connectors	DN 40 DIN 11864-2 Form A Type N	_ _ D L	•
	DN 40 DIN 11851 SC Threaded	_ _ D M	•
	DN 40 Tri-clamp to DIN 32676	_ _ D N	•
	1 1/2" Tri-clover clamp	_ _ N R	•
	1 1/2" Tri-clamp to ISO 2852	_ _ N T	•
	1 1/2" SMS	_ _ N V	•

### TABLE III

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

### TABLE IV

Secondary Containment	All externals SS 304 L No secondary pressure containment. Typical burst pressure > 100 bar All externals SS 316 L No secondary pressure containment. Typical burst pressure > 100 bar All externals SS 304 L Max Sec. Pressure containment 63 bar/913 psi (PED approved) <b>See Note 1</b> All externals SS 316 L Max Sec. Pressure containment 63 bar/913 psi (PED approved) All externals SS 316 L Max Sec. Pressure containment 100 bar/1450 psi (PED approved)	G	•
		H <td>•</td>	•
		0 <td>•</td>	•
		A <td>•</td>	•
		B <td>•</td>	•
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_	•

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 V

		Selection	Availability
Hazardous Area Approvals	None	0__	•
	ATEX EEx 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__	h
	cFMus (US standards)	T__	h
	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	
Hygienic/Sanitary Approvals (requires polishing option)	None	_0_	•
	3A (American Dairy Approval) Requires polishing to RA 0.8 µm	_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 flow calibration evenly spread accros nom. flow rate	1__	•
	0 + custom density calibration with water at 3 temps. + certificate	A__	•
	1 + custom density calibration with water at 3 temps. + certificate	B__	•
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	W/ithout	0	•
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RESTRICTIONS

Restriction	Available only with		Not available with	
	Letter	Table	Table	Selection
b	VIII	1_		
c	II	__DA, __DC, __CA, __CC		
d	IV	B_		
e	II	_2__		
	II	__DL, __DM, __DN, __NR, __NT, __NV		
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, __NE, __NF		

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:

- There are no longer any flange constraints for options G and H
- You may now choose the required outer casing (option G and H) in combination with any process connection irrespective of the pressure rating.
- Most applications do not require secondary containment, so the 304L (option G) may be used unless 316L is specifically requested.
- The food and pharmaceutical industries require 316L materials in most cases so option H will be suitable here.
- Options 0, A and B are available for customers who still require PED approved secondary containment.
- On Options 0, 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

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