Honeywell

SmartLine[®] VersaFlow Coriolis 100 CM02 Size 25 Stainless Steel

Model Selection Guide

 Secondary pressure containment around sensor Easily drained and easy to clean Regardless of type of installation and externalfactors 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 VIII CM02 4	

KEY NUMBER	Description	Selection Availability
CM02		CM02 ↓
TABLEI		
Sensor		4 •

TABLE II

Tube Material	Stainless Steel	S	•
Curfeee Finish	Standard See Note 2	_0	•
Surface Finish	Polished Ra 0.5 μm	_ 1	•
	DN 40 PN 40 to DIN 2501	DA	٠
	DN 40 PN 100 to DIN 2501	DC	d
	DN 25 PN 40 to DIN 2501	CA	•
	DN 25 PN 100 to DIN 2501	CC	d
	DN 50 PN 40 to DIN 2501	EA	•
	11/2" ASME 150 lb	ND	•
Flange Connection Size	11/2" ASME 300 lb	NE	•
Flange Connection Size	11/2"ASME 600 lb	N F	d
	1" ASME150 lb	M D	•
	1" ASME 300 lb	ME	•
	1" ASME 600 lb	M F	d
	2" ASME 150 lb	PD	•
	40 A JIS 20 K	W H	•
	25 A JIS 20 K	VH	•
	DN 40 DIN 11864-2 Form A Type N	DL	•
	DN 40 DIN 11851 SC Threaded	D M	•
	DN 40 Tri-clamp to DIN 32676	D N	•
Hygienic and Aseptic	11/2" Tri -clover clamp	N R	•
Connectors	11/2" Tri-clamp to ISO 2852	NT	•
	11/2" SMS	N V	•
	11/2" IDF (International Dairy Federation)	N W	•
	11/2" RJT	NZ	•

 TABLE III
 Standard (Type B1 for PN 40 & B2 for PN 63/100 acc. EN 1092-1)
 0
 •

 Sealing face
 EN 1092-1 Type C with tongue
 C
 c

	EN 1092-1 Type D with groove
	EN 1092-1 Type D with groove

D	С
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TABLE IV				
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) See Note 1	0_		•
	All externals SS 316 L Max Sec. Pressure containment 63 bar/913 psi (PED approved)	A		•
	None Max Sec. Pressure containment 100 bar/1450 psi (PED approved)	B		•
	None	_()	•
Options	Liquid/steam heating jacket-Ermeto '(max.temp 130°C/266°F)	1		•
	Liquid/steam heating jacket-1/2" NP1(max.temp 130°C/266°F)	_2	<u>'</u>	•
	Purge fittings-1/2" NPTF	3	\$	•

TABLE V

	None	0	•	
	ATEX EEx ib (T1-T4)	1	f	
	FM Class 1 Div 1/Div 2	3	f	
Hazardous Area	CSA Class 1 Div 1/Div 2 (including CRN approval)/Dual Seal for liquids)			
Approvals	CSA Class 1 Div 1/Div 2 (including CRN approval)/Dual Seal for gases	6	f	
	NEPSI Ex ib (T1-T4)	7	f	
	None (for Canada only - CRN approved)	C	•	
	IEC Ex ib (T1-T4)	R	f	
Hygienic/Sanitary	None	_ 0 _	•	
Approvals (requires polishing option)	3A (American Dairy Approval) Requires polishing to RA 0.5 μm	_2_	е	
	Compact/integral mount	0	•	
	Remote/field mount Alu Junction box	1	•	
Configuration	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

Extended Options None		0	•
Cleaning/Degreasing	Cleaning/Degreasing Degreasing wetted parts plus certificate		•
Calibration	0 + custom density calibration with water at 3 temps. + certificate 1 + custom density calibration with water at 3 temps. + certificate	A B	•
Calibration	Standard 3 point flow and density calibration 5 point flow calibration evenly spread accros nom. flow rate	0 1	•

TABLE VII

No Selection	None	[V	•

1

C D E

F

g

٠

TABLE VIII

	TWC 010 C	Requires a sepa	arate MSG# to be entered. CM93 MSG # 36-CM-16-24] [
Converter Type	TWC 9000 Compact mount TWC 9000 Field mount TWC 9000 Wall Mount TWC 9000 Rack mount	(non Ex only) (non Ex only)	Requires a separate MSG# to be entered. Either CM90 MSG# 36-CM-16-21; CM91 MSG# 36-CM-16-22 or CM92 MSG# 36-16-23	

RESTRICTIONS

Restriction Available only with		Not available with			
Letter	Table	Selection	Selection Table S		
b	VIII	1			
с	Ш	DA,DC,CA,CC			
d	IV	В_			
е	II	_1			
e	II	D L,D M,D N,N R,N T,N V,N W,N Z			
f	VIII	1, C, D			
g	V	D,E			

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
Н	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)
А	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 0, A and B are available for customers who still require PED approved secondary containment.
- 6. 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

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.