Honeywell

SmartLine[®] VersaFlow Coriolis 100 CM01 Size 15 Stainless Steel

• Secondary pressure containment around sensor

Model Selection Guide

ΜZ

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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. 	R-1
 Modular electronics concept: electronics and sensor easy to replace 	-
Data redundancy: accurate plug & play replacement of electronics	
Instructions	
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	
proper arrow. A dow (*) denotes availability.	
Table I II III IV V VI VII VIII	
ICM01 4	

KEY NUMBER	Description	Sel	lection	Availabili	ity
CM01			CM01	¥	
TABLE I					
Sensor			4	•	

TABLE II				
Tube Material	Stainless Steel		S	•
Surface Finish	Standard	See Note 2	_0	٠
Surface Finish	Polished Ra 0.5 µm including certificate	See Note 2	_1	•
	DN 25 PN 40 to DIN 2501		CA	•
	DN 25 PN 100 to DIN 2501		CC	d
	DN 15 PN 40 to DIN 2501		BA	•
	DN 15 PN 100 to DIN 2501		BC	d
	DN 40 PN 40 to DIN 2501		DA	•
	1" ASME 150 lb		M D	•
	1" ASME 300 lb		ME	•
Flange Connection Size	1" ASME 600 lb		MF	d
Fiange Connection Size	1/2" ASME 150 lb		K D	•
	1/2"ASME 300 lb		KE	٠
	1/2" ASME 600 lb		KF	d
	3/4" ASME 150 lb		LD	•
	3/4" ASME 300 lb		LE	٠
	3/4" ASME 600 lb		LF	d
	25 A JIS 20 K		VH	٠
	15 A JIS 20 K		UH	٠
	DN 25 DIN 11864-2 Form A Type N		CL	•
	DN 25 to DIN 11851SC threaded		C M	٠
Hygienic and Aseptic	DN 25 Tri-clamp to DIN 32676		C N	•
	I" Triclover clamp		MR	•
Connectors	I" Tri-clamp to ISO 2852		M T	•
	1" SMS		MV	•
	1" IDF (International Dairy Federation)		MW	•

TABLE III

1" RJT

Sealing face	Standard (Type B1 for PN 40 & B2 for PN 63/100 acc. EN 1092-1)	0	•
	EN 1092-1 Type C with tongue	С	С
	EN 1092-1 Type D with groove	D	С

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		Η_	•
	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)		Α_	•
	All externals SS 316 L Max Sec. Pressure containment 100 bar/1450 psi (PED approved)		Β_	↓ ●
Options	None	[_ 0	•
	Liquid/steam heating jacket-Ermeto 1(max.temp 130°C/266°F)		_ 1	•
	Liquid/steam heating jacket-1/2" NPT (max.temp 130°C/266°F)		_2	•
	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	a 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)		•	
	IEC Ex ib (T1-T4)	R	f	
Hygienic/Sanitary	None	_ 0 _	•	
Approvals (requires	3A (American Dairy Approval) Polished Ra 0.5 also required	_2_	е	
pene	Compact/integral mount	0	•	
	Remote/field mount Alu Junction box	1	•	
Configuration	Remote/field mount SS Junction box			
-	Direct Digital Comms (DDC) Alu JB via Modbus (with TWC 010 only)			
	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		٠
	5 point calibration evenly spread accros nom. flow rate	1		•
) + custom density calibration with water at 3 temps. + certificate			•
	1 + custom density calibration with water at 3 temps. + certificate	В		•
Cleaning/Degreasing	None	_	0_	•
	Degreasing wetted parts plus certificate	_	1_	•
Extended Options	None		_0	•

TABLE VII

No Selection	None	V	•
-			

1

С

D

E F g

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TABLE VIII

	TWC 010 C	Requires a separate M	ISG# to be entered. CM93 MSG # 36-CM-16-24
Converter Type	TWC 9000 Compact mount TWC 9000 Field mount	C 9000 Compact mount C 9000 Field mount Requires a separate MSG# to be	
	TWC 9000 Wall Mount	(non Ex only)	CM90 MSG# 36-CM-16-21; CM91 MSG# 36-CM-16- 22 or CM92 MSG# 36-16-23
	TWC 9000 Rack mount	(non Ex only)	22 01 01102 1100# 30-10-23

RESTRICTIONS

Re	estriction	Available only with	Not available with	
Letter	Table	Selection	Table	Selection
b	VIII	1		
С	II	CA,CC,BA,BC		
d	IV	Β_		
	II	_1		
C	II	C L,C M,C N,M R,M T,M V,M W,M 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
- H All externals SS 316/L
- 0 All externals SS 304/L
- A All externals SS 316/L
- B All externals SS 316/L
- No secondary pressure containment. Typical burst pressure > 100 bar
- No secondary pressure containment. Typical burst pressure > 100 bar
- Max Sec. Pressure containment 63 bar/913 psi (PED approved)
- Max Sec. Pressure containment 63 bar/913 psi (PED approved)
 - Max Sec. Pressure containment 100 bar/1450 psi (PED approved)

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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.