

## SmartLine® VersaFlow Coriolis 6000 CM78 Size 150 Stainless Steel or Duplex

## Model Selection Guide with Price Data

Model Selection Guide  
36-CM-16-46 Issue 7

- Broad range of operating temperatures
- Wide range for gas applications
- 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



### 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
CM78	4	---	-	---	---	---	-	---	-

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

KEY NUMBER	Description	Selection	Availability
CM78	Coriolis 6000 DN150	CM78	↓

### TABLE I

Sensor	4	*

### TABLE II

Tube Material	SS316/316L Dual Certified Stainless Steel	S	*
	UNS S31803 Duplex <td>D</td> <td>* </td>	D	*
	Standard <td>0</td> <td>* </td>	0	*
		-G 7	i
		-G A	i
		-G B	i
		-G C	i
		-G 4	b
		-1 7	i
		-1 A	i
		-1 B	i
		-1 C	i
		-1 4	b
		-S D	n
		-S E	n
		-S F	n
		-S 1	d
		-S 2	d
		-4 D	n
		-4 E	n
		-4 F	n
		-4 1	d
		-4 2	d

### TABLE III

Sealing face	Standard	0	*
	EN 1092-1 Type C with tongue <td>C</td> <td>*</td>	C	*
	EN 1092-1 Type D with groove <td>D</td> <td>*</td>	D	*
	RTJ Acc ASME B16.5 (available with ASME 300 lb and above) <td>E</td> <td>s</td>	E	s
	EN 1092-1 Type E with spigot <td>G</td> <td>*</td>	G	*
	EN 1092-1 Type F with recess <td>H</td> <td>*</td>	H	*

### TABLE IV

Design	Short Stem (maximum range -200°C to +150°C)	0	r
	Extended stem (maximum range -200°C to +230°C/400°C) <td>K</td> <td>*</td>	K	*
	Without <td>0</td> <td>*</td>	0	*
	Insulation casing only (standard / high temp)Not available for design option "0" <td>1</td> <td>*</td>	1	*
	Insulation casing only (cryogenic / low temperature)(available in SS only / not available for design option "0") <td>2</td> <td>f</td>	2	f
	Liquid/steam heating jacket DN15 PN40(10 barg at 230°C/446°F, 5 barg at 400°C/752°F / not for design option "0") <td>3</td> <td>*</td>	3	*
	Liquid/steam heating jacket 1/2" ASME 150#(10 barg at 230°C/446°F, 5 barg at 400°C/752°F / not for design option "0") <td>5</td> <td>*</td>	5	*
	Purge fittings-1/2" NPTF <td>A</td> <td>*</td>	A	*

### TABLE V

Hazardous Area Approvals	None	0	*
	ATEX Ex ia(T1-T6) <td>1</td> <td>*</td>	1	*
	IEC Ex ia (T1-T6) <td>R</td> <td>*</td>	R	*
	cFMus Class 1 Div 1 (USA standards) <td>T</td> <td>*</td>	T	*
	cFMus (Canadian Standards) / Dual seal for liquids' <td>U</td> <td>*</td>	U	*
	cFMus (Canadian Standards) / Dual seal for gases' <td>V</td> <td>*</td>	V	*
	None <td>0</td> <td>*</td>	0	*
	NACE according to MRO175 / ISO 15156 and MRO103 <td>N</td> <td>*</td>	N	*

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 VI

		Selection	Availability
Configuration	Compact/integral mount (max 230°C)	0 _ _ _	*
	Remote/field mount Alu Junction box (Alu or SS mandatory for Cryogenic or High Temperature)	1 _ _ _	*
	Remote/field mount SS Junction box (Alu or SS mandatory for Cryogenic or High Temperature)	2 _ _ _	*
Calibration	3 point mass flow calibration	_ 0 _ _	*
	5 point mass flow calibration	_ 1 _ _	*
	3 point volume flow calibration	_ 3 _ _	*
	5 point volume flow calibration	_ 4 _ _	*
	0 + density calibration with water at 3 temps. + certificate	_ A _ _	*
	1 + density calibration with water at 3 temps. + certificate	_ B _ _	*
	1 + UKAS calibration certificate	_ D _ _	*
	4 + UKAS calibration certificate	_ E _ _	*
	10 point mass flow calibration bi-directional + UKAS certificate (CT meter Calibration)	_ K _ _	*
	10 point volume flow calibration bi-directional + UKAS certificate* (CT meter Calibration)	_ L _ _	*
	5 point mass flow 0.05% calibration + UKAS certificate (CT Calibration)	_ R _ _	*
5 point mass flow 0.05% calibration with volume acc. ISO10790 + UKAS certificate (CT Calibration)	_ S _ _	*	
Process Requirements	Standard	_ _ 0 _	*
	Degreasing of wetted parts + certificate (mandatory for oxygen measurements)	_ _ 1 _	*
	Cryogenic (-200°C to 40°C/-328°F to 104°F) (Tube material SS316/SS316L dual certified only)	_ _ C _	g
	Cryogenic with Degreasing (C+1) (Tube material SS316/SS316L dual certified only)	_ _ D _	g
Extended Options	High Temperature (-50°C to 400°C) (remote conv'tr & insulation/heat. jacket only) (Tube matl. SS316/L dual cert only)	_ _ T _	h
	Without	_ _ _ 0	*
	Without for gas applications below 10 bar (not for cFMus)	_ _ _ 1	m
	Burst Disk for Gas applications (mandatory for cFMus and all gas applications above 10barg)	_ _ _ G	*

TABLE VII

No Selection	None	V	*
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TABLE VIII

Converter Type	TWC 9400 Compact Mount (Not for High Temperature)	Requires a separate MSG# to be entered. Either CM96 or CM97	
Destination	TWC 9400 Field Mount	6 _	q
	Other	7 _	t
		0	*

TABLE IX

Functional Safety	Without	0	*
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RESTRICTIONS

Restriction Letter	Available only with		Not available with	
	Table	Selection	Table	Selection
b	II	D _ _ _	V	T _
d	II	D _ _ _		
	III	0, E		
f	II	S _ _ _	IV	0
			VI	0
			VI	0, 1
g	II	S _ _ _	IV	1, 3, 5
h	II	S _ _ _	IV	0
	VI	1 _ _ , 2 _ _	IV	0, A
i	II	S _ _ _	V	T _
m			VI	_ K _ , _ L _
n	II	S _ _ _		
	III	0, E		
q	VI	0 _ _ _		
			VI	T _
r			IV	_ 1 , _ 2 , _ 3 , _ 5
s	II	_ _ SE, _ _ SF, _ _ S1, _		
		_ _ S2, _ _ 4E, _ _ 4F, _		
		_ 41, _ 42		
t			VI	0

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