

## VersaFlow Coriolis 100

34-VF-03-03  
, 2009

VersaFlow Coriolis—

. VersaFlow



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1 – VersaFlow



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130°C

### VersaFlow

( ) , ( )

TWC 010

Modbus®

OEM-

### VersaFlow



- 1. TWC 9000 C:
- 2. TWC 9000 F:
- 3. TWC 9000 W:
- 4. TWC 9000 R:
- 5. TWC 010:

— 300

19"

Modbus

:



- 1. VersaFlow Coriolis 100
- 2. VersaFlow Coriolis 1000:
- 3. VersaFlow Coriolis 200:

	S15	S25	S40	S50
[ / ]	6500	27000	80000	170000
[ / ]	240	990	2935	6235

**Accuracy**

,	±0.15%
,	±0.50%
	0.05% ( , )
	±0.01%

	20°C
	1

	400...2500 / 3
	±2 / 3 (S15: ±5 / 3)
( )	±0.5 / 3

	-40...+130°C
	±1°C

	UNS S31803 (1.4462)
.	316 / 316L (CF3M / 1.4409)
	316 / 316L (1.4401 / 1.4404)
( ) ( )	304 / 304L (1.4301 / 1.4307) 316 / 316L (1.4401 / 1.4404)
-	( ) 316L (1.4401) ( )
	316L (1.4404) ( )

**20°C**

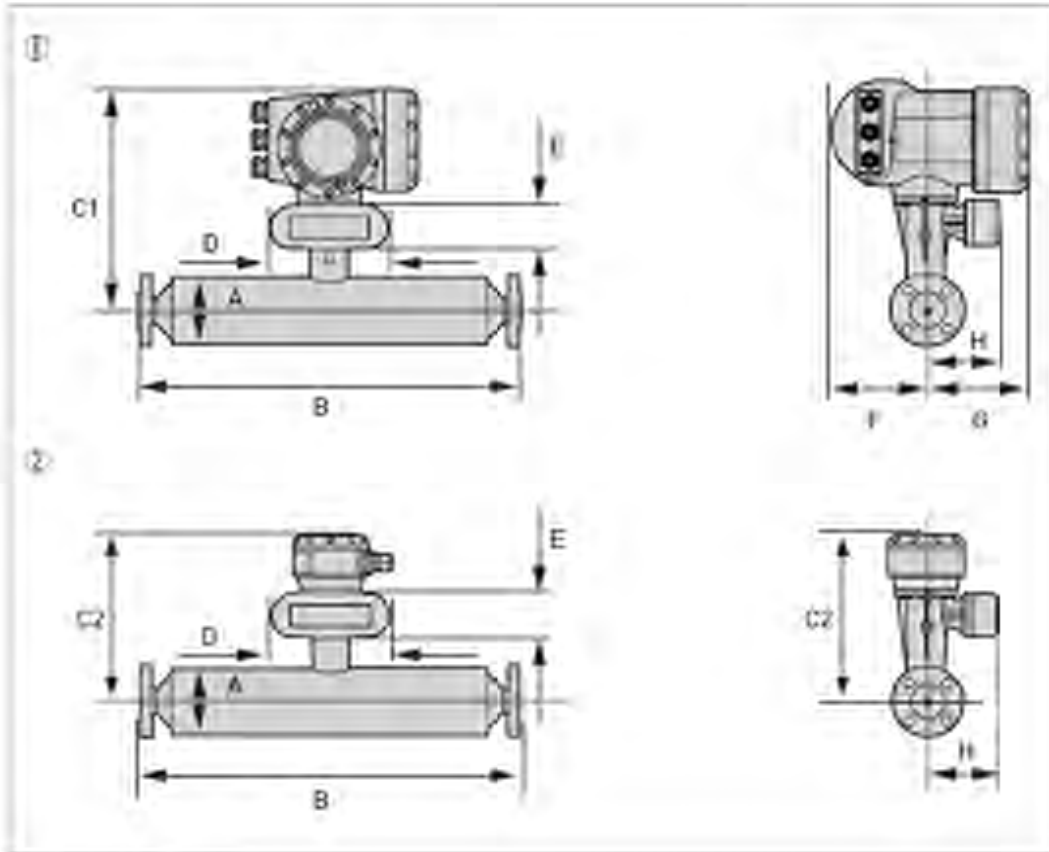
	-1...100
	> 100
PED/CRN	-1...63
PED	-1...100

(EMC) CE	Namur NE 21/5.95 89/336/EEC (EMC) 72/73/EEC (Low Voltage Directive)
( EN 60529)	IP 67; NEMA 4X
European Pressure Equipment Directive ( )	PED 97-23 EC ( AD 2000 Regelwerk)
Factory Mutual / CSA	I, . 1 B, C, D II, . 1 E, F, G III, . 1 I, . 2 B, C, D II, . 2 F, G III, . 2
ANSI / CSA (Dual Seal)	12.27.901-2003
	3A 28-03
<b>ATEX ( 94/9/EC)</b>	
<b>Coriolis 100</b>	<b>TW 9000C</b> /
Ex d	II 2 G Ex d [ib] IIC T4....T1 : II 2 G Ex d [ib] IIC T6....T1 II 2 D Ex tD A21 IP6x T185°C : II 2 D Ex tD A21 IP6x T160°C
Ex e	II 2 G Ex de [ib] IIC T4....T1 : II 2 G Ex de [ib] IIC T6....T1 II 2 D Ex tD A21 IP6x T185°C : II 2 D Ex tD A21 IP6x T160°C
<b>Coriolis 100</b>	<b>TW 9000C</b> /
Ex d	II 2 G Ex d [ib] IIC T4....T1 : II 2 G Ex d [ib] IIC T6....T1 II 2 D Ex tD A21 IP6x T195°C : II 2 D Ex tD A21 IP6x T165°C
Ex e	II 2 G Ex de [ib] IIC T4....T1 : II 2 G Ex de [ib] IIC T6....T1 II 2 D Ex tD A21 IP6x T195°C : II 2 D Ex tD A21 IP6x T165°C
<b>Coriolis 100</b>	<b>TW 9000C</b> /
Ex d	II 2(1) G Ex d [ia/ib] IIC T4....T1 : II 2(1) G Ex d [ia/ib] IIC T6....T1 II 2(1) D Ex tD [iaD] A21 IP6x T185°C : II 2(1) D Ex tD [iaD] A21 IP6x T160°C
Ex e	II 2(1) G Ex de [ia/ib] IIC T4....T1 : II 2(1) G Ex de [ia/ib] IIC T6....T1 II 2(1) D Ex tD [iaD] A21 IP6x T185°C : II 2(1) D Ex tD [iaD] A21 IP6x T160°C

<b>Coriolis 100</b>	<b>TW 9000C</b>	/
Ex d	II 2(1) G Ex d [ia/ib] IIC T4...T1 : II 2(1) G Ex d [ia/ib] IIC T6...T1 II 2(1) D Ex tD [iaD] A21 IP6x T195°C : II 2(1) D Ex tD [iaD] A21 IP6x T165°C	
Ex e	II 2(1) G Ex de [ia/ib] IIC T4...T1 : II 2(1) G Ex de [ia/ib] IIC T6...T1 II 2(1) D Ex tD [iaD] A21 IP6x T195°C : II 2(1) D Ex tD [iaD] A21 IP6x T165°C	
<b>Coriolis 100</b>	<b>TW 9000F TWC 010</b>	/
	II 2 G Ex ib IIC T4...T1 : II 2 G Ex ib IIC T6...T1 II 2 D Ex ibD 21 T175 °C : II 2 D Ex ibD 21 T165 °C	
<b>Coriolis 100</b>	<b>TW 9000F TWC 010</b>	/
	II 2 G Ex ib IIC T4...T1 : II 2 G Ex ib IIC T6...T1 II 2 D Ex ibD 21 T175 °C : II 2 D Ex ibD 21 T165 °C	
NEPSI ( TWC9000C/F, TWC 010)	Exdeib(ia)II C T1...T6, Exdib(ia)II C T1...T6	

–	-40...+130°C	
–	-20...+130°C	
–	40...+60°C : +65°C	( / . Honeywell.)
–	-40...+55°C	
–	-40...+65°	

	0.001% 1°C	
	0.00012%	1



- 1.
- 2.

( )

	S15	S25	S40	S50
( )	13.5	16.5	29.5	57.5
( )	18.8	21.8	34.8	62.8
( )	11.5	14.5	25.5	51.5
( )	12.4	15.4	26.4	52.4

	S15	S25	S40	S50
A	101.6	114.3	168.3	219.1
C1 ( )	311	317	344	370
C2 ( )	231	237	264	290
D	160)			
E	60			
F	123.5			
G	137			
H	98.5			

**B –**

	S15	S25	S40	S50
PN40				
DN15	498			
DN25	503	531		
DN40		541	706	
DN50			712	862
DN80				882

**B –**

	S15	S25	S40	S50
PN63				
DN50			740	890
DN80				910

**B –**

	S15	S25	S40	S50
PN100				
DN15	513			
DN25	538	567		
DN40		575	740	
DN50			752	902
DN80				922

**B –**

	S15	S25	S40	S50
ASME 150				
½"	518			
¾"	528			
1"	534	563		
1½"		575	740	
2"			744	894
3"				906

**B –**

	S15	S25	S40	S50
ASME300				
½"	528			
¾"	538			
1"	546	575		
1½"		589	754	
2"			756	906
3"				926

**B –**

	S15	S25	S40	S50
ASME 600				
½"	541			
¾"	550			
1"	558	589		
1½"		603	770	
2"			744	926
3"				944



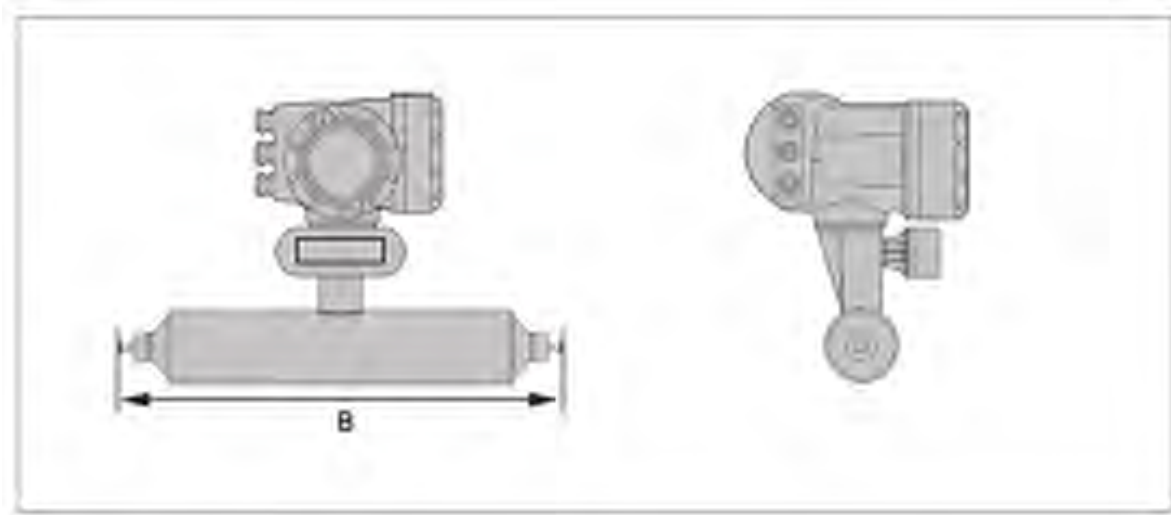


**B –**

	S15	S25	S40	S50
JIS 10K				
50A			712	862
80A				882

**B –**

	S15	S25	S40	S50
JIS 20K				
15A	498			
25A	503	531		
40A		541	706	
50A			712	862
80A				882



B –

	S15	S25	S40	S50
Tri-clover				
1"	487			
1½"		534		
2"			691	
3"				832

B –

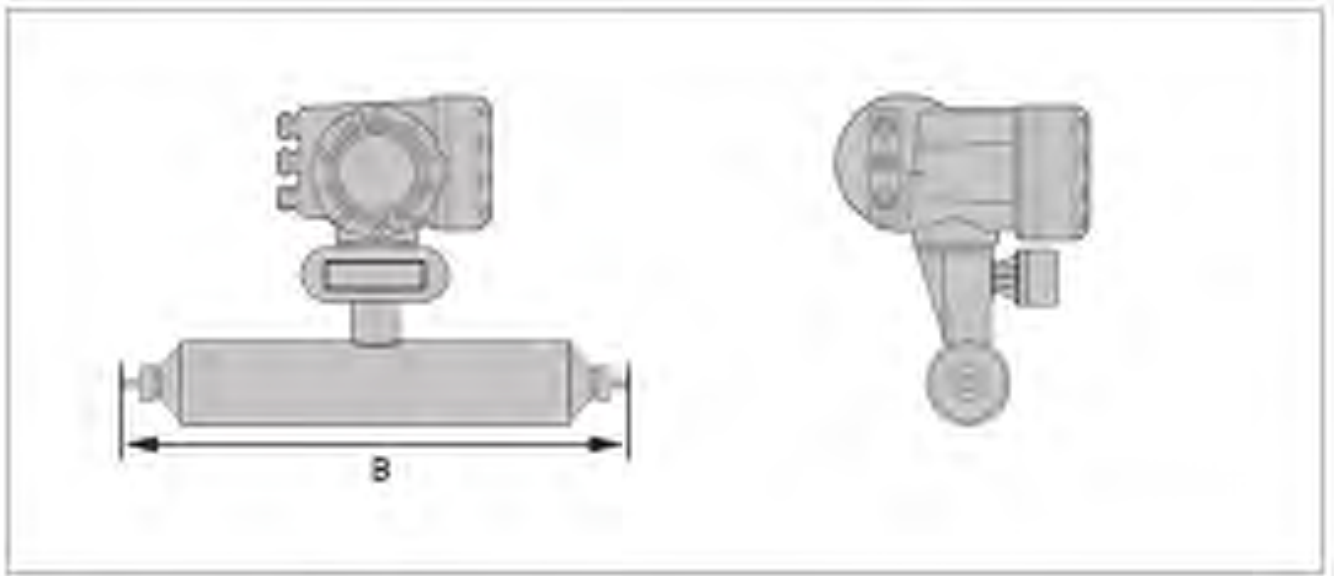
	S15	S25	S40	S50
Tri-clamp DIN 32676				
DN10				
DN15				
DN25	468			
DN40		515		
DN50			677	
DN80				836

B –

	S15	S25	S40	S50
Tri-clamp ISO 2852				
1"	473			
1½"		502		
2"			667	
3"				817

B –

	S15	S25	S40	S50
DIN 11864-2 form A				
DN25	505			
DN40		562		
DN50			724	
DN80				896



- ( )

**B -**

	S15	S25	S40	S50
DIN				
DN25	483			
DN40		538		
DN50			704	
DN80				870

**B -**

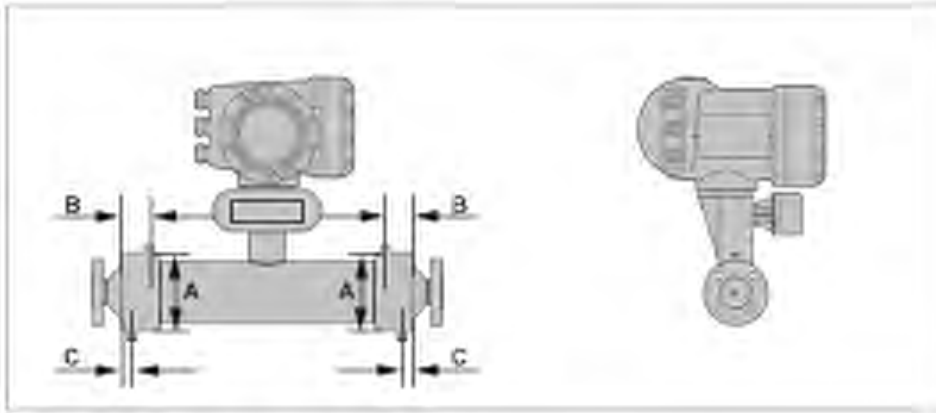
	S15	S25	S40	S50
SMS				
1"	474			
1½"		537		
2"			694	
3"				837

**B -**

	S15	S25	S40	S50
IDF/ISS				
1"	487			
1½"		534		
2"			691	
3"				832

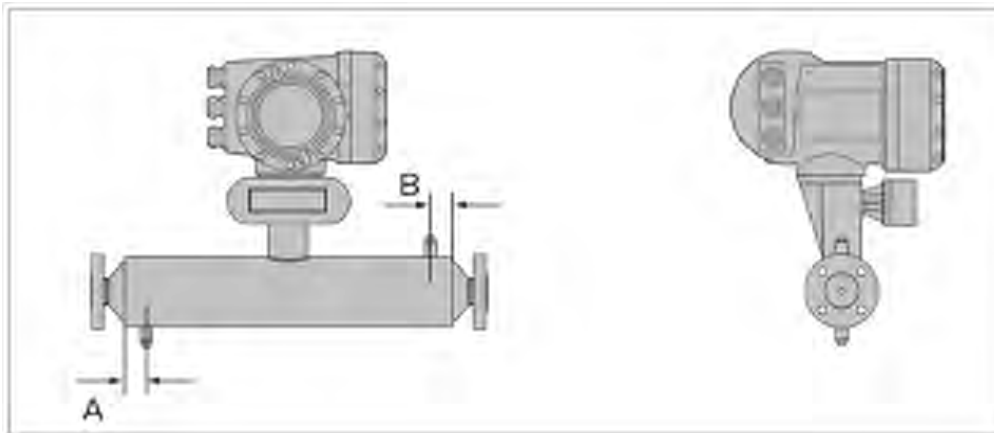
**B -**

	S15	S25	S40	S50
RJT				
1"	498			
1½"		545		
2"			702	
3"				843

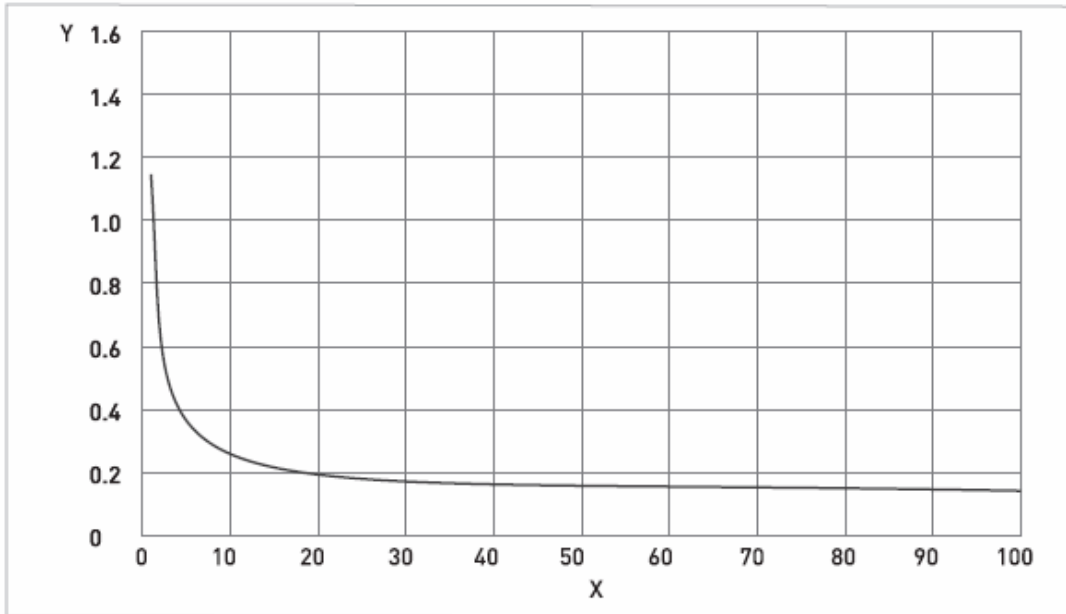


	S15	S25	S40	S50
	12 mm (ERMETO)			25
A	115 ±1	142 ±1	206 ±1	254 ±1
B	51	55	90	105
C	20			26

( )



	S15	S25	S40	S50
A	30 ±1.0		65 ±1.0	
B	30 ±1.0		65 ±1.0	



Y(%) – , (%) –

).

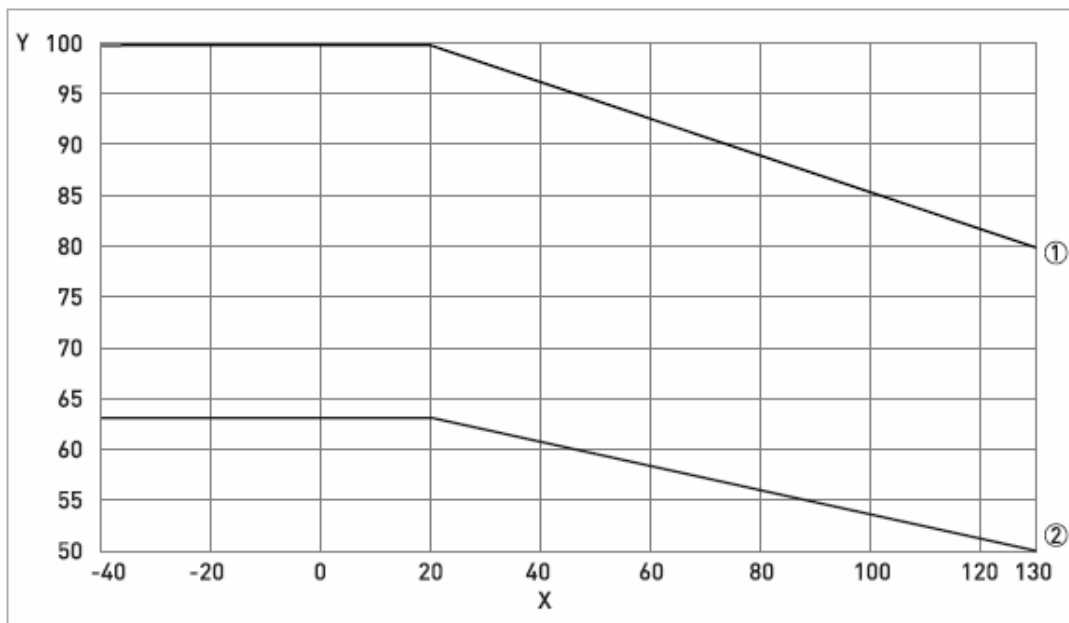
:

: +20°C  
: 1

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- 

/

( , EN 1092-1)



- | X  | Y      | [ °C ]               |
|----|--------|----------------------|
| 1. |        |                      |
| 2. | 63     | 304L / 316           |
|    |        | 316L (100 , PED)     |
|    |        | (PED)                |
| •  |        | DIN EN 1092-1 2007   |
|    | G.4.1, | 14EO                 |
| •  |        | ASME ASME B16.5 2003 |
|    | 2,     | 2.2                  |
| •  |        | JIS JIS 2220: 2001   |
|    | 1      | 1, 022a              |
| •  |        |                      |
| •  |        |                      |

<http://www.honeywell.ru>