

**Schneider Electric**  
FlowExpertPro.com Results

**Customer/Representative**

Customer	Representative
Customer Name:	Company:
Contact Name:	Sales Person:
Address:	Sales Order Number:
	Date: 12/19/2020
Phone Number:	Phone Number:
	Fax Number:
Fax Number:	Cellular Number:
E-Mail Address:	E-Mail Address:

**Process Data**

Meter Type: Vortex  
 Fluid Type: Superheated Steam  
 Fluid: Steam  
 Tag Number:  
 Tag Name:

	Minimum	Normal	Maximum	
Flow Rate:	2000.00	9000.00	11000.00	kg/hr
Temperature:	220.0	240.0	250.0	°C
Pressure:	9.00	10.00	11.00	bar g
Density/SG:		4.86115		kg/m³
Viscosity:		0.018		centipoise

**Extended Process Data**

Meter Body Type: Flanged  
 Meter Length: Style B  
 Sensor Fill Fluid and Material: Unfilled Hastelloy  
 Line Size: 0.00 inches  
 Mating Pipe Material: Stainless Steel  
 Sensor Type: Extended Range

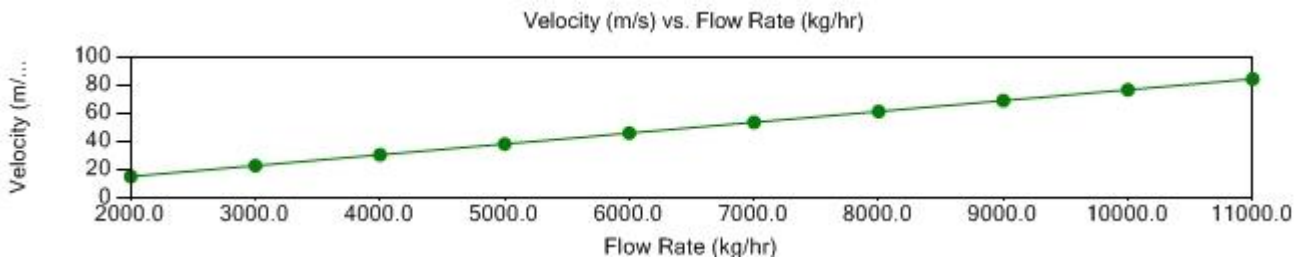
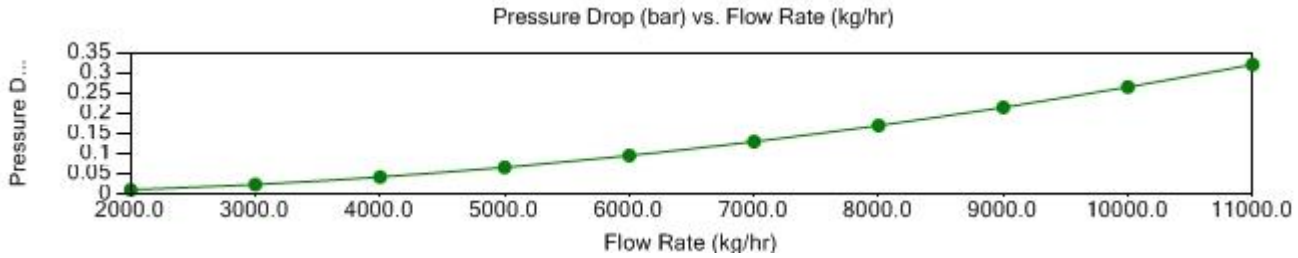
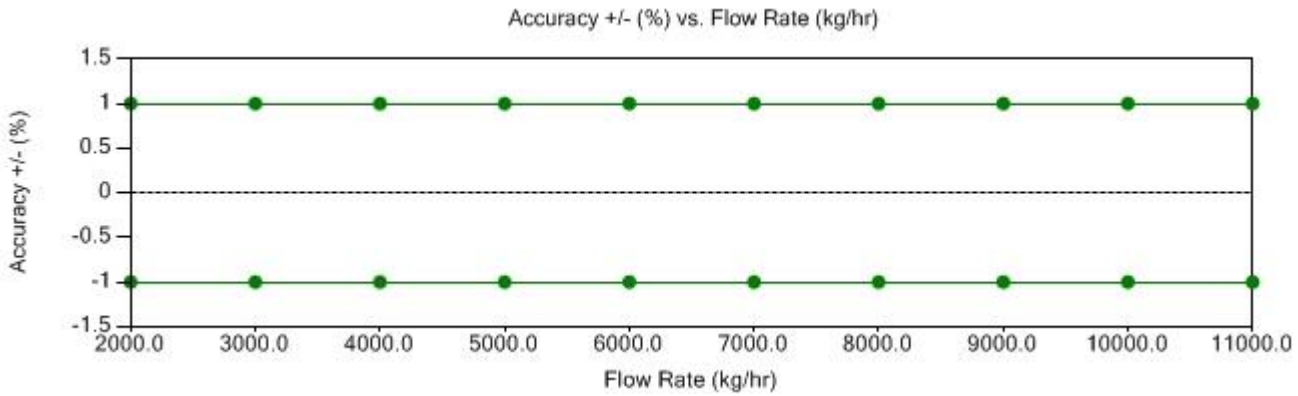
**Electrical**

Dual Electronics and Isolation Valve: (S) Single, No Isolation Valve  
 Output: Analog  
 20 mA (URV): 0.00  
 4 mA (LRV): 0.00

**Sizing**

Model: Model 84C  
 Meter Size: 100 mm  
 Maximum Meter Capacity (URL): 14363.905 kg/hr  
 Minimum Recommended Meter Capacity (LFCI): 558.282 kg/hr  
 Extended Capacity: 17236.685 kg/hr  
 Pressure Drop at Maximum Process Flow Rate: 0.32300 bar  
 Pressure Drop at Minimum Process Flow Rate: 0.01100 bar  
 Volumetric Flow Accuracy at Maximum Flow Rate: 1.00000 %  
 Volumetric Flow Accuracy at Minimum Flow Rate: 1.00000 %  
 Velocity at Maximum Process Flow Rate: 84.7 m/s  
 Velocity at Minimum Process Flow Rate: 15.4 m/s  
 Nominal Flowing K Factor: 252.81 pulses/kg  
 Frequency at Maximum Process Flow Rate: 772.5 Hz  
 Reynolds Number at Minimum Flow Rate: 404380.7  
 Wetted Material: CF8M (316 ss) Cast Body / Shedder and Flange  
 Flange: ANSI Class 150 RF  
 Model Code: 84CF040-PRF1STA\*\*\*\*

## Graphing



## Graph Data Points

Flow Rate (kg/hr)	Accuracy +/- (%)	Pressure Drop (bar)	Velocity (m/s)
2000.000	1.00000	0.01066	15.408
3000.000	1.00000	0.02399	23.112
4000.000	1.00000	0.04265	30.816
5000.000	1.00000	0.06663	38.520
6000.000	1.00000	0.09595	46.224
7000.000	1.00000	0.13060	53.928
8000.000	1.00000	0.17058	61.632
9000.000	1.00000	0.21590	69.336
10000.000	1.00000	0.26654	77.039
11000.000	1.00000	0.32251	84.743

Please consult factory for additional information.

Inside U.S.: 1-866-746-6477

Outside U.S.: 1-508-549-2424

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