

Micro Motion Calculation Summary					
Date:	08.23.18				
Company:					
Project Name:					
Service:					
Sensor Model #:	CMFHC2M801N2EZEZZZ				
Sensor Tag(s):					
Transmitter Model #:	5700R12AEFAZZZAZZZZ				
Transmitter Tag(s):					
Wetted Material:	316L stainless steel				
Fluid:	LPG				
Fluid State:	Liquid				
Mass Flow Accuracy at Operating Flow (+/- % of Rate):	0.10000				
Density Accuracy at all Rates (+/-):	0.00050 kg/L				
Pressure Drop at Operating Flow:	0.06520 bar				
Sensor Minimum Pressure at operating conditions:	bar-g				
Velocity at Operating Flow:	6,10243 m/sec				
	Min	Operating*	Max	Design	Units
Flow Rate:	5,000	150,000	365,000		Ton(M)/hr
Pressure:		10,000			bar-g
Process Fluid Temperature:		20,000			C
Ambient Temperature:		20,000			C
Density:		0,550			kg/L
Viscosity:		0,010			cP
Gas only	Base Reference Temperature:	C			Density:
	Base Reference Pressure:	kPa-a			
	Base Reference Density:	kg/L			
Process Connection:	DN200 PN40 EN 1092-1 F316/F316L Weld neck flange Form B1				
Process Connection Pressure Rating:	39,990 bar-g				
@ Temperature:	20,000 C				
Flow Rate Ton(M)/hr	Mass Flow Accuracy +/- % of Rate	Pressure Drop* bar	Velocity* m/sec	Re	
365,000	0,100	0,384	14,849	72605367,110	
329,000	0,100	0,312	13,385	65444289,810	
293,000	0,100	0,248	11,920	58283212,510	
257,000	0,100	0,191	10,455	51122135,200	
221,000	0,100	0,141	8,991	43961057,900	
185,000	0,100	0,099	7,526	36799980,590	
150,000	0,100	0,065	6,102	29837822,100	
113,000	0,100	0,037	4,597	22477825,980	
77,000	0,100	0,017	3,133	15316748,680	
41,000	0,100	0,005	1,668	8155671,375	
5,000	0,589	0,000	0,203	994594,070	
*All pressure drop and velocity results are based on the process conditions (except flow rate) that are entered in the Operating column.					
Notes:					
Prepared by:	Version: 3.0 (Build209C)		Project ID:	001-20180730-170148	
Instrument Toolkit			Application:	LPG DN200	

CMFHC2M

