

MASS FLOWMETER			JDS-F05 Rev 2 Page 3 of 13
1.0 GENERAL			Note
1.01 Type	Coriolismeter	1.02 Manufacturer	RHEONIK
1.03 Operating Temp Limits	-20 °C / 120 °C	1.04 Operating Press Limit	300 bar
1.05 Press loss at full range	2.3 bar	1.06 Mounting	Inline
1.07 Weight	See note	1.08 Other	
2.0 INSTRUMENT CHARACTERISTICS			Note
2.01 Calibrated Range	0 – 16,1 kg/hr	2.02 Characteristic	Linear
2.03 Accuracy	<0,3 %	2.04 Linearity	Incl. In accuracy
2.05 Repeatability	0,1% of rate	2.06 Min / Max range limits	0 kg/hr - 36 kg/h
2.07 Other	Eex ia IIC T6		
3.0 METER BODY			Note
3.01 Nominal size	130 x 188mm	3.02 Manufacturer model no	See note
3.03 Process conn size/type	G 1/4"	3.04 Pressure rating	300 bar
3.05 Face to face dimension	50 mm	3.06 Number of tube runs	2-Parallel
3.07 Tube inner diameter	1,1 mm	3.08 Material, tube	1.4539 (904L)
3.09 Material, flange/connect	SS316	3.10 Sour service spec	NA
3.11 Material, tube cover	Stainless steel	3.12 Enclosure protection	IP65
3.13 Protective coating/color		3.14 Other	
4.0 TRANSMITTER			Note
4.01 Manufacturer model no	RHE11-T3-D1-IA-E	4.02 Mounting	See note
4.03 Max distance meter/trans	200 m	4.04 Cable connection	Terminals
4.05 Cable entry	M25	4.06 Dimension	Dia-159mm / Height-225mm
4.07 Material	SS316	4.08 Enclosure protection	IP65
4.09 Ex classification	Eex de [ia] IIC T5	4.10 Protective coating	NA
4.11 Indicator	Yes (LCD)	4.12 Output signal	See note
4.13 Communication	No	4.14 Supply voltage	24VDC
4.15 Consumption	<15 watt	4.16 Load limitation	1000 ohm
4.17 Other			
Notes:			
Valid for Tag no: Element 42FT4023, Transmitter 42FIT4023.			
1. Meter element 2 kg. Transmitter 7 kg.			
2. Flow element model no.: RHM015-T1-P1-PMO-MO-G1-T2.			
3. Wall mounting meter element on bracket.			
4. 2 of 4-20mA, 1 pulse, 1 digital.			

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EQUIPMENT CONDITONS			
1.01 Line Nominal Size	0.47"		Note
1.02 Line Inner Diameter	8 mm		
1.03 Material Line	6 Mo		
1.04 Flange Standard Or Code	ISO 228 (BSP / G)		
1.05 Flange Size	1/4"		
1.06 Flange Pressure Class	N/A		
1.07 Flange Facing	N/A		
1.08 Design Temperature	-20 °C / 120 °C		
1.09 Design Pressure	300 bar		
1.10 Fluid	Chemicals		
1.11 Phase	Liquid		
1.12 Corrosive Compounds	CO2, O2		
1.13 Maximum Pressure Loss	2,3 bar		1
2 OPERATING CONDITIONS			
	Minimum	Normal	Maximum
2.01 Flow rate	8,33 kg/hr	10,1 kg/hr	12,0 kg/hr
2.02 Velocity	0,05 m/s	0,06 m/s	0,06 m/s
2.03 Temperature	5 °C	20 °C	25 °C
2.04 Inlet pressure	N/A	N/A	127,3 barg
2.05 Density at T and P	980 kg/m3	N/A	1040 kg/m3
2.06 Viscosity at T	8 cp	N/A	15 cp
2.07 Molecular Weight Vapour	N/A	N/A	N/A
2.08 VapourCompressibilityFactor	N/A	N/A	N/A
2.09 Vapour Specific Heat Ratio	N/A	N/A	N/A
Notes:			
Valid for Tag no: 42FT4023.			
1. Pressure drop at rated pump flow with viscosity and density provided by Contractor at 5°C for Cortreat 7164.			