
				INSTRUMENT DATA SHEET / FOI DE DATE				DATA SHEET NO.: RNG-ST-16-003				REV. 02									
				CORIOLIS FLOWMETER / DEBITMETRU CORIOLIS Custody Transfer / Fiscal				SHEET 2 OF 2													
								BY Trifan O.		CHK'D Danilov B.		APPR. Dobleaga S.									
PROJECT NO.: 10202020				REV		DATE		NAME		SIGNATURE		REV		DATE		NAME		SIGNATURE			
OWNER:				00		26.02.2021		T.O.													
PLANT:				01		24.09.2021		T.O.													
DEPOZIT SATCHINEZ				02		12.04.2022		T.O.													
GENERALITIES		1	TAG NUMBER/ Simbol instrument:				FT-001(Note1)				TRANSMITTER / COMPUTER (continued)		50	POWER SUPPLY/Alimentare:				Line 24 V(dc)			
		2	P&ID NUMBER/ Nr P&ID:				10202020-RNG-DM-14-001						51	FAILSAFE STYLE/ Tip autoprotectie:				Failsafe selectabile/ Autoprotectie selectabila			
		3	LINE NUMBER/ Numar conducta:				150-PL-006-L290-ET						52	INTEGRAL INDICATOR STYLE/ Tip indicare:				2 x 16 character LCD			
		4	SERVICE/ Serviciu:				Masura debit						53	SIGNAL TERMINATION TYPE/ Tip terminal de semnal:				Terminal block/ Bloc terminale			
		5	MANUFACTURER/ Producator:				VTA						54	MOUNTING LOCATION/TYPE/ Loc montaj:				Integrat cu debitmetrul			
		6	MODEL/PART NUMBER/ Model:				VTA						55	FAILURE/DIAGNOSTIC ACTION/Defect/Actiune Diagnostic:				Drive output low/ Curent iesire scazut			
		7	HAZARDOUS AREA CLASSIFICATION/ Clasificare zona periculoasa:				Zone 2(IIA T3)						56	NET OIL COMPUTER CAPABILITY/ Capabilitate sistem NOC:				Yes/Necesar			
PROCESS CONDITIONS		8	FLUID/ Fluid:				Titei				57	NUMBER OF STORED STREAMS/ Nr. fluxuri stocate:				1					
		9	PHASE/ Faza:				Lichid				58	ON SITE DENSITIES CONFIGURATION/ Configurare densitate on site:				Yes/Necesar					
		10	CORROSIVE COMPOUNDS/ Compusi corozivi:				Sulf total 0.08±0.02%gr				59	FLOW RATE DISPLAYING UNITS/ Unitate masura debit afisata:				kg/h					
		11					MIN.		NORMAL		MAX		60	FLOW RATE ACCURACY/ Precizie masura debit:				<0.1%			
		12	FLOW RATE/ Debit:				80		100		240		61	TEMP. ACCURACY/ Precizie masura temperatura:				<0.1%			
		13	WATER CUT/ Fractie apa:										62	DENSITY ACCURACY/ Precizie masura densitate:				<0.2%			
		14	OPERATING PRESSURE/ Presiune operare, barg:				5		8		20		63	REPETABILITY/ Repetabilitate:				0.1%;			
		15	OPERATING TEMPERATURE °C/ Temperatura operare °C				40		40		45		64	RANGEABILITY/ Raport debit maxim/debit minim:				1:100(Note5)			
		16	DENSITY/ Densitate(20°C)kg/m3:						830 ± 30				65	ADJUSTABLE RANGE/ Domeniu ajustabil kg/h:				VTA			
		17	VISCOSITY/ Vascozitate cST :						0.65				66	CALIBRATED MEASURING RANGE/ Domeniu masura calibrat:				0...300 mc/h			
		18	% OF GAS IN LIQUID(FOR LIQUID SERVICE)/ % Gaz in lighid (pentru servicii lichide):										67	ENCLOSURE CABLE ENTRY/ Presetupa:				Presetupa Ex M20x1.5 (Note4)			
		19	% OF LIQUID IN GAS (FOR GAS SERVICE)/ % lichid in gaz(pentru servicii gaze):										68								
		20	MAX. ALLOWABLE PRESS.DROP/Cadere de presiune maxim admisibila,bar:						0.15				69	TOTALIZER TYPE/ Tip totalizator:				Single totalizer			
21	AMBIENT TEMPERATURE/ Temperatura ambientala °C:				-29 - +50						70	POWER SUPPLY/ Alimentare:				Line 24 V(dc)					
FLOWMETER BODY & HOUSING		22	BODY/HOUSING TYPE/ Tip corp/Carcasa:				In-line(Note3)				TOTALIZER INDICATOR/ INDICATOR TOTALIZATOR		71	ENCLOSURE MATERIAL/ Material carcasa				Aluminiu			
		23	END CONN. NOMINAL SIZE/ Dimensiune racord		RATING/Domeniu		DN150 NOTA 5		PN 63				72	CONTACTS ARRANGEMENT/ Dispunere contacte:		Qty. Cantitate:		N/A			
		24	END CONN. TERMN. TYPE/ Tip racord		STYLE/Etansare tip		Flansa		B1 SR EN 1092-1				73	TOTALIZER RESET STYLE/ Tip resetare calculator:				Local			
		25	BODY WETTED MATERIAL/ Material parti in contact cu fluidul:				AISI 316L SST (Note3)						74	INTEGRAL INDICATOR STYLE/ Tip afisaj:				2 x 16 character LCD			
FLOWTUBE ASSEMBLY		26	HOUSING MATERIAL/ Material carcasa:				AISI 316L SST (Note3)				75	MOUNTING LOCATION/TYPE/ Loc/tip montaj:				Integrat cu traductorul					
		27	END TERMINATION MATERIAL/ Material racord:				AISI 316L SST (Note3)				76	ATEX CATEGORY / EPL/ Categorie ATEX/EPL:				II 2G					
		28	FLOWTUBE TYPE/ Tip tub masurare:				Single curved tube/Tub curbat(Note 5)				77	TYPE OF PROTECTION/ Tip protectie antiexploziva:				EEx d IIA T3(min)					
		29	FLOWTUBE DIAMETER/ Diametru tub masurare:				VTA				78	INGRESS PROTECTION/ Protectie la patrundere:				N/A					
CONNECTION HEAD		30	FLOWTUBE MATERIAL/ Material tub masurare:				AISI 316L SST (Note3)				79										
		31	HOUSING TYPE/ Tip carcasa:				Carcasa antideflagranta				80	SPECIAL PREPARATION/ Masuri speciale:				N/A					
		32	HOUSING MATERIAL/ Material carcasa:				Otel inox				81	SUNSHADE/ Parasolar:				NOTE2					
		33	SIGNAL TERMINATION TYPE/ Tip terminal de semnal:				Terminal block/ Bloc terminale(Note2)				82	WINTERIZATION/ Protectie intemperii:				Yes/Insulation 100 mm					
TRANSMITTER / COMPUTER		34	ATEX CATEGORY / EPL/ Categorie ATEX/EPL:				II 2G				83	MIN. INLET/OUTLET RUNS/ Tronson masura intrare/iesire		N/A		N/A					
		35	TYPE OF PROTECTION/ Tip protectie antiexploziva:				EEx d IIA T3				84										
		36	INGRESS PROTECTION/ Protectie la patrundere:				IP 67				85										
		37	HOUSING TYPE/ Tip carcasa :				Carcasa antideflagranta (EEx d)				86										
		38	HOUSING MATERIAL/ Material carcasa:				Otel inox				87										
		39	MEASUREMENT COMPENSATION/ Compensare masura:				Densitate				88										
		40	CALIBRATED RANGE (FLOW)/ Domeniu calibrat (debit):				0...300 mc/h				89										
		41	CALIBRATED RANGE (TEMP.)/ Domeniu calibrat (temperatura):				0...100 °C				90										
		42	CALIBRATED RANGE (DENSITY)/ Domeniu calibrat (densitate):				750...998 kg/m3				91										
		43	OUTPUT SIGNAL TYPE/ Tip semnal iesire:				1 x 4-20 mA;1 x freq./ pulse; 1xrelay				92										
		44	SPAN-ZERO ADJUSTMENT TYPE/ Tip ajustare pozitie zero:				Keypad				93										
45	CHARACTERISTIC CURVE/ Caracteristica de debit:				Debit masic liniar				94												
46	DIGITAL COMMUNICATION STD./ Standard comunicatie digitala:				HART protocol				95												
47	ATEX CATEGORY / EPL/ Categorie ATEX/EPL:				II 2G				96												
48	TYPE OF PROTECTION/ Tip protectie antiexploziva:				EEx d IIA T3(min)				97												
49	INGRESS PROTECTION/ Protectie la patrundere:				IP 67				98												
NOTES:																					
1. Flowmeter shall be fitted with 12mm characters stainless steel tag name plate. Debitmetrul va fi prevăzut cu plăcuță de identificare din oțel inoxidabil cu caractere de 12 mm.																					
2. Manufacturer to confirm that the electronic instrumentation is rated to withstand the environmental / Ambient conditions and direct sunlight; sunshade shall be provided if manufacturer recommend it.Furnizorul va confirma ca aparatul intruneste conditiile de functionare in mediu ambiant si va recomanda parasolarul daca este necesar.																					
3. Supplier to provide Material Certification acc. to SR EN 10204-3.1, PED, ATEX Certification and Calibration Certificate, Custody Transfer Approvals (MID Certificate)Furnizorul va asigura Certificat Material conform SR EN 10204-3.1, Declaratie de conformitate, Manual de instalare si operare, Certificare ATEX/PED, Certificare MID																					
4. Instruments shall be provided with cable gland suitable for mentioned type of protection and necessary plugs/ Aparatele vor fi prevazute cu presetupe in acord cu gradul de protectie specificat.																					
5. VTA=Manufacturer to confirm/provide data./la recomandarea furnizorului																					