



LEAK DETECTOR DATA SHEET

No.	By	Chk	App	Date	Description	Doc. No: DS-1813-79	Rev.: 0
0	JS	RKL	TB	6/26/2019	Initial Release	Project Name: TSCR	
						Project Number: 18-13	
						Location: Richland, WA	

GENERAL	1	Tag Number	P&ID Number		POR655-WP-LD-610		H-14-024857			
	2	Service							Airlock Cabinet	
	3	Line Number	Line Material			N/A		316/316L SS		
	4	Line Size	Line Sch	Line Spec.		1.5 in. (NOTE 1)	40	ASME B31.3		
	5	Area Classification							Unclassified	
	6	Ambient Temp Range	Seismic Requirement			68 to 105 °F		N/A		
	7	Quality Level	Safety Classification			QL-3		GS		
NORMAL PROCESS CONDITIONS	8	Fluid	State		Regulated Air		Gas			
	9	Fluid Comments							N/A	
	10	Design Pressure:	Min.	Max.	0 psig		Atm. psig			
	11	Design Temperature:	Min.	Max.	0 °F		180 °F			
					Units	Minimum	Normal	Maximum		
	12	Pressure			psig	N/A	Atmospheric	N/A		
	13	Temperature			°F	60	Variable	105		
	14	Density	0.001184 g/mL @ 80 °F							
15	Viscosity	0.01845 cP @ 80 °F								
LEAK DETECTION PROCESS CONDITIONS 1	16	Fluid	State		LAW		Liquid			
	17	Fluid Comments							N/A	
	18	Design Pressure:	Min.	Max.	0 psig		150 psig			
	19	Design Temperature:	Min.	Max.	0 °F		180 °F			
					Units	Minimum	Normal	Maximum		
	20	Pressure			psig	0	Variable	115		
	21	Temperature			°F	68	77	95		
	22	Density			g/mL	1	1.27	1.35		
23	Viscosity			cP	1	3.7	8			
LEAK DETECTION PROCESS CONDITIONS 2	24	Fluid	State		0.1M NaOH / Softened Water		Liquid			
	25	Fluid Comments							N/A	
	26	Design Pressure:	Min.	Max.	0 psig		150 psig			
	27	Design Temperature:	Min.	Max.	0 °F		180 °F			
					Units	Minimum	Normal	Maximum		
	28	Pressure			psig	75	80.0	110		
	29	Temperature			°F	67	80	96		
	30	Density			g/mL	0.994	1.001	1.002		
31	Viscosity			cP	0.717	0.887	1.036			
SWITCH	32	Type							Integral	
	33	Process Temp Range:	Min.	Max.	-40 °F		350 °F			
	34	Operating Temp Range:	Min.	Max.	-40 °F		140 °F			
	35	Mounting	Shipping Weight			Insertion		8 lbs		
	36	Accuracy	Repeatability			±0.25 in		±0.125 in		
	37	Connection:	Size	Type		3/4 in		NPT Male		
	38	Enclosure:	Material	Type	Cable Entry	Aluminum	NEMA Type 4X	1 in NPT		
						21-30 V DC, 7 W, 230 mA max.	6 amp resistive @ 115 VAC, 240 VAC or 24 VDC	N/A		
	39	Power Supply	Output	Load						
SENSOR	40	Type	Shape	Accuracy		Level/Interface	Forked End	±0.25 in		
	41	Safe Condition							Dry	
	42	Sheath:	Diameter	Material		N/A		N/A		
	43	Temperature Coefficient, α							N/A	
	44	Insertion Length							4 in	

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COMMUNICATION AND SOFTWARE	45	HART Communication			No	
	46	Firmware			N/A	
MANIFOLD	47	Type	Material		N/A	N/A
	48	Manufacturer	Model Number		N/A	N/A
	49	Connection:	Size	Type	N/A	N/A
OPTIONS	50	Mounting Brackets			No	
	51	Hydrostatic Test			No	
	52	Transient Protection			No	
	53	Calibration Cert.	CMTR		No	No
PURCHASE	54	Manufacturer			Fluid Components International LLC	
	55	Model			FLT93S-1A1A103C4B01000	

NOTES: 1. POR655-WP-LD-610 is connected to the 1-1/2" process line via 3/4" threaded coupling.