

Client:	Project :	Designer:			
	Golgozar Iron & Steel Development Co.				
CLIENT DOC NO: S-SM01-D-BOP-WWTP-DSH-IN-001	BARSOO DOC NO: 157SUGU2070001-00	Rev: 01			
Document Title:	INSTRUMENT DATASHEET FOR TRANSFER LINE	Sheet: 1 OF 14			
INSTRUMENT DATASHEET FOR TRANSFER LINE					
01	2026-JUNE-27	IFA	N.Vakilzadeh	F.Niknam	A.Monfared
A1	2026-May-02	IFA	N.Vakilzadeh	F.Niknam	A.Monfared
REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED

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Client:		Project :		Designer:	
		Golgohar Iron & Steel Development Co.			
Document Title		DATA SHEET FOR RADAR LEVEL INDICATOR TRANSMITTER (FMCW) NON-CONTACT		Sheet: 4 OF 14	
GENERAL	1	Tag no.		LIT-1003	
	2	P&ID Sheet No.		1	
	3	Service		Brine Water Tank	
	4	Line No. / Vessel No.		100-DRP-TA01-02	
	5	Application		Brine Water Level Detection	
	6	Function		Continuous Level Measurement	
	7	AREA CLASSIFICATION		Non Hazardous Area	
SENSOR	8	Model No.		VTA	
	9	Antenna Type		Horn (VTA)	
	10	Beam Angle		4-6	
	11	Location		Top Mounted With Shelter	
	12	Enclosure		IP66	
	13	Connection Size		FLANGE 150# RF/DN 80	
	14	Electrical Connection		M20x1.5	
	15	Power Supply		24VDC	
	16	Material	Housing	Die Cast Aluminium/SS316 (VTA)	
			Osill. Head	AISI 316L(VTA)	
			Flange	AISI 316L(VTA)	
Membrane			PTFE /SS316 (VTA)		
17	Temperature Compensation		VTA		
18	Accuracy		± 1% OF FULL SCALE/±3mm		
TRANSMITTER	19	Mounting		Remote	
	20	Enclosure Ingress Protection		IP66	
	21	Electrical Connection		M20x1.5	
	22	Power Supply		24 VDC -2-wire -Loop Powered	
	23	Indicator		YES	
	24	Amps/Watts		VTA	
	25	Load Type		VTA	
	26	Range	mm	0 ~ 5000	
	27	Accuracy		±0.2% of full Scale	
	28	Output Signal		4 - 20mA , HART	
OPTIO NS	29	Level contacts		4 SPDT dry contact	
	30	Air Purging System		No	
SERVICE	31	Fluid		BRINE WATER (2800 < TDS < 5200 ppm)	
	32	Press. Max. / Normal	bar	5/ full water	
	33	Temp. Max. / Normal	°C	40/25	
	34	Density	kg/m3	1000	
Purchase	35	Manufacturer		VTA	
	36	Model No.		VTA	
Notes:	VTC: VENDOR TO CONFIRM N/A: NOT APPLICABLE VTA: VENDOR TO ADVISE				
	1) Vendor to provide calibration certificate and material test reports (MTR).				
	2) Tag plate shall be SS316 and permanently attached to the housing.				
	3) Vendor shall provide all accessories and options				
	4) Thickness of tank roof is 0.25m.				

Client:		Project :		Designer:	
		Golgohar Iron & Steel Development Co.			
Document Title		DATA SHEET FOR RADAR LEVEL INDICATOR TRANSMITTER (FMCW) NON-CONTACT		Sheet: 5 OF 14	
GENERAL	1	Tag no.		LIT-1004	
	2	P&ID Sheet No.		1	
	3	Service		Brine Water Tank	
	4	Line No. / Vessel No.		100-DRP-TA01-02	
	5	Application		Brine Water Level Detection	
	6	Function		Continuous Level Measurement	
SENSOR	7	AREA CLASSIFICATION		Non Hazardous Area	
	8	Model No.		VTA	
	9	Antenna Type		Horn (VTA)	
	10	Beam Angle		4-6	
	11	Location		Top Mounted With Shelter	
	12	Enclosure		IP66	
	13	Connection Size		FLANGE 150# RF/DN 80	
	14	Electrical Connection		M20x1.5	
	15	Power Supply		24VDC	
	16	Material	Housing	Die Cast Aluminium/SS316 (VTA)	
			Osill. Head	AISI 316L(VTA)	
			Flange	AISI 316L(VTA)	
			Membrane	PTFE /SS316 (VTA)	
	17	Temperature Compensation		VTA	
	18	Accuracy		± 1% OF FULL SCALE/± 3mm	
TRANSMITTER	19	Mounting		Remote	
	20	Enclosure Ingress Protection		IP66	
	21	Electrical Connection		M20x1.5	
	22	Power Supply		24 VDC -2-wire -Loop Powered	
	23	Indicator		YES	
	24	Ampps/Watts		VTA	
	25	Load Type		VTA	
	26	Range	mm	0 ~ 5000	
	27	Accuracy		±0.2% of full Scale	
	28	Output Signal		4 - 20mA , HART	
OPTIONAL	29	Level contacts		4 SPDT dry contact	
	30	Air Purging System		No	
SERVICE	31	Fluid		BRINE WATER (2800 < TDS < 5200 ppm)	
	32	Press. Max. / Normal	bar	5/ full water	
	33	Temp. Max. / Normal	°C	40/25	
	34	Density	kg/m3	1000	
Purchase	35	Manufacturer		VTA	
	36	Model No.		VTA	
Notes: VTC: VENDOR TO CONFIRM N/A: NOT APPLICABLE VTA: VENDOR TO ADVISE					
	1)	Vendor to provide calibration certificate and material test reports (MTR).			
	2)	Tag plate shall be SS316 and permanently attached to the housing.			
	3)	Vendor shall provide all accessories and options			
	4)	Thickness of tank roof is 0.25m.			

Client:		Project :		Designer:	
		Golgohar Iron & Steel Development Co.			
Document Title		DATA SHEET FOR CONDUCTIVE LEVEL SWITCH		Sheet: 6 OF 14	
GENERAL	1	Tag no.		LS-1004	
	2	P&ID Sheet No.		1	
	3	Service		BRINE Water Tank	
	4	Line No. / Vessel No.		100-DRP-TA01-02	
	5	Application		Brine Water Low Low Level	
	6	Function		Low-Low level detection	
	7	Model No.		VTA	
	8	Fluide		BRINE WATER (2800 < TDS < 5200 ppm)	
Electrode(Probe)Data	9	Type		Conductive rod type level electrode	
	10	Number of Electrode		2 rods	
	11	Electrode Arrangement		1 common + 1 LLL electrode	
	12	Electrode Length		As per tank drawing(LLL setpoint)	
	13	Wetted Material		SS316 LL	
	14	Process Connection		1½" NPT(M) or 2" ANSI 150# flange	
	15	Gasket Material		PTFE	
	16	Conductivity		Very High (>10,000 µS/cm)	
Sensor Head/Housing Data	17	Housing Type		Probe Head for conductive electrode	
	18	Material		Coated aluminum / Polyamide	
	19	Enclosure		IP66 / IP67	
	20	Cable Entry		M20 × 1.5 or ½" NPT	
	21	Terminal Type		Screw terminals	
SWITCH	22	Type		Conductive level switch / relay unit	
	23	Output		Relay output (Dry Contact)	
	24	Response Time		< 1 second	
	25	Mounting		DIN rail / Panel mounted	
	26	Safety Function		Pump trip on LLL	
SERVICE	27	Press. Max. / Normal		5/ full water	
	28	Temp. Max. / Normal	°C	40/25	
	29	Density	cP	1000	
	30	Manufacturer		VTA	
	31	Model No.		VTA	
Notes:		VTC: VENDOR TO CONFIRM N/A: NOT APPLICABLE VTA: VENDOR TO ADVISE			
		1) Vendor shall supply all Accessories			
		2) Tag plate shall be SS316 and permanently attached to the housing.			
		3) Vendor to provide calibration certificate and material test reports (MTR).			
		2) Thickness of tank roof is 0.25m.			

Client:		Project :		Designer:	
		Golgohar Iron & Steel Development Co.			
Document Title		DATA SHEET FOR CONDUCTIVE LEVEL SWITCH		Sheet: 7 OF 14	
GENERAL	1	Tag no.		LS-1003	
	2	P&ID Sheet No.		1	
	3	Service		BRINE Water Tank	
	4	Line No. / Vessel No.		100-DRP-TA01-02	
	5	Application		Brine Water Low Low Level	
	6	Function		Low-Low level detection	
	7	Model No.		VTA	
	8	Fluide		BRINE WATER (2800 < TDS < 5200 ppm)	
Electrode(Probe)Data	9	Type		Conductive rod type level electrode	
	10	Number of Electrode		2 rods	
	11	Electrode Arrangement		1 common + 1 LLL electrode	
	12	Electrode Length		As per tank drawing(LLS setpoint)	
	13	Wetted Material		SS316 LL	
	14	Process Connection		1½" NPT(M) or 2" ANSI 150# flange	
	15	Gasket Material		PTFE	
	16	Conductivity		Very High (>10,000 µS/cm)	
Sensor Head/Housing Data	17	Housing Type		Probe Head for conductive electrode	
	18	Material		Coated aluminum / Polyamide	
	19	Enclosure		IP66 / IP67	
	20	Cable Entry		M20 × 1.5 or ½" NPT	
	21	Terminal Type		Screw terminals	
SWITCH	22	Type		Conductive level switch / relay unit	
	23	Output		Relay output (Dry Contact)	
	24	Response Time		< 1 second	
	25	Mounting		DIN rail / Panel mounted	
	26	Safety Function		Pump trip on LLL	
SERVICE	27	Press. Max. / Normal		5/ full water	
	28	Temp. Max. / Normal	°C	40/25	
	29	Density	cP	1000	
	30	Manufacturer		VTA	
	31	Model No.		VTA	
Notes:	VTC: VENDOR TO CONFIRM N/A: NOT APPLICABLE VTA: VENDOR TO ADVISE 1) Vendor shall supply all Accessories 2) Tag plate shall be SS316 and permanently attached to the housing. 3) Vendor to provide calibration certificate and material test reports (MTR). 2) Thickness of tank roof is 0.25m.				

Client:		Project :		Designer:		
		Golgohar Iron & Steel Development Co.				
Document Title		DATA SHEET FOR PRESSURE SWITCH		Sheet: 8 OF 14		
GENERAL	1	Tag No.			PS-1005A	
	2	P&ID Sheet No.			1	
	3	Service			Pump Discharge Low Pressure Protection/Control	
	4	Location			Outdoor	
	5	Line / Eqp. No.			8"-BR-1006-CS-N /After PU-06A	
	6	Area Classification			Safe area	
PROCESS	7	Fluid	Phase	BRINE WATER (2800 < TDS < 5200 ppm)	Liquid	
	8	Fluid Viscosity	Specific Gravity	1.035	1	
	9	Pressure (BarG)	Norm	MAX	2.1	3
	10	Temperature	Norm	Max	20	40
	11	Design Pressure	Design Temperature	4	40	
ELEMENT	12	Type			Bourdon	
	13	Material			AISI 316 SS	
	14	Process Connection			1/2" NPTM	
	15	Mounting			Local	
SWITCH	16	Type			Snap	
	17	Enclsoure			Weather Proof/IP65	
	18	Electrical Connection			M20 x 1.5	
	19	Rating			1Amp 24Vdc	
	20	Accuracy			± 1 % of F.S	
	21	Alarm Contact (s)	Number of Contacts	Yes	1 SPDT	
	22	Contact(s) Type			Dry contact, hermetically sealed , SPDT	
	23	Set Point	Adjustable	Low Level = 1.7 BarG	Yes	
	24	Extension Cable			No	
	25	Mounting			Direct on pipe via 2-way manifold valve	
	26	Local Display			Yes	
PURCHASE	27	Manufacturer			VTA	
	28	Model			VTA	
	29	P.O. No.	Item No.	VTA	VTA	
	30	Serial No.			VTA	
	31	Electrical Approval			VTA	
NOTE	VTC: VENDOR TO CONFIRM N/A: NOT APPLICABLE VTA: VENDOR TO ADVISE					
	Vendor shall provide calibration certificate and material test reports (MTR).					
	Tag plate shall be SS316 and permanently attached to the housing.					
	Vendor shall provide all accessories and options					
	Vendor shall provide mounting accessories and 2-way manifold (manifold wetted parts material: SS316).					
	Vendor shall provide the Diaphragm seal in case of process condition.					
	This Document Should be Used in Conjunction with Control Philosophy.					
	All pressure indicator switch instruments shall have blow-out disc.					
	Switch shall have a repeatability of 0.5% of overall range					
All pressure switches shall be capable to withstand and over-pressure amounting to 130% of the full scale pressure						

Client:		Project :		Designer:	
		Golgohar Iron & Steel Development Co.			
Document Title		DATA SHEET FOR PRESSURE SWITCH		Sheet: 9 OF 14	
GENERAL	1	Tag No.		PS-1005B	
	2	P&ID Sheet No.		1	
	3	Service		Pump Discharge Low Pressure Protection/Control	
	4	Location		Outdoor	
	5	Line / Eqp. No.		8"-BR-1007-CS-N /After PU-06B	
	6	Area Classification		Safe area	
PROCESS	7	Fluid	Phase	BRINE WATER (2800 < TDS < 5200 ppm)	Liquid
	8	Fluid Viscosity	Specific Gravity	1.035	1
	9	Pressure (BarG)	Norm	MAX	3
	10	Temperature	Norm	Max	40
	11	Design Pressure	Design Temperature	4	40
ELEMENT	12	Type		Bourdon	
	13	Material		AISI 316 SS	
	14	Process Connection		1/2" NPTM	
	15	Mounting		Local	
SWITCH	16	Type		Snap	
	17	Enclsoure		Weather Proof/IP65	
	18	Electrical Connection		M20 x 1.5	
	19	Rating		1Amp 24Vdc	
	20	Accuracy		± 1 % of F.S	
	21	Alarm Contact (s)	Number of Contacts	Yes	1 SPDT
	22	Contact(s) Type		Dry contact, hermetically sealed , SPDT	
	23	Set Point	Adjustable	Low Level = 1.7 BarG	Yes
	24	Extension Cable		No	
	25	Mounting		Direct on pipe via 2-way manifold valve	
	26	Local Display		Yes	
PURCHASE	27	Manufacturer		VTA	
	28	Model		VTA	
	29	P.O. No.	Item No.	VTA	VTA
	30	Serial No.		VTA	
	31	Electrical Approval		VTA	
NOTE	VTC: VENDOR TO CONFIRM N/A: NOT APPLICABLE VTA: VENDOR TO ADVISE				
	Vendor shall provide calibration certificate and material test reports (MTR).				
	Tag plate shall be SS316 and permanently attached to the housing.				
	Vendor shall provide all accessories and options				
	Vendor shall provide mounting accessories and 2-way manifold (manifold wetted parts material: SS316).				
	Vendor shall provide the Diaphragm seal in case of process condition.				
	This Document Should be Used in Conjunction with Control Philosophy.				
	All pressure indicator switch instruments shall have blow-out disc.				
	Switch shall have a repeatability of 0.5% of overall range				
	All pressure switches shall be capable to withstand and over-pressure amounting to 130% of the full scale pressure				

Client:				Project :				Designer:			
				Golgohar Iron & Steel Development Co.							
Document Title				DATA SHEET FOR PRESSURE GAUGE				Sheet: 10 OF 14			

GENERAL	1	Tag No.				PG-1004A			
	2	P&ID Sheet No.				1			
	3	Service				Pump Discharge Pressure			
	4	Location				Outdoor			
	5	Line / Eqp. No.				(8"-BR-1006-CS-N)/After PU-06A			
	6	Function				Local Indication			
	7	Area				Safe			
PROCESS	8	Fluid		Phase		BRINE WATER (2800 < TDS < 5200 ppm)		Liquid	
	9	Fluid Viscosity		Specific Gravity		1.035		1	
	10	Pressure	Units	Norm	Max	barg		2.1	3
	11	Temperature	Units	Norm	Max	°C		20	40
	12	Design Pressure		Design Temperature		Barg/°C		4	25
GAUGE	13	Type				Direct Rdg			
	14	Case Material				SS 316, vapor tight and weather proof			
	15	Lens				Glass /Shutter Proof			
	16	Element Material				SS 316			
	17	Movement and Socket Material				SS 316			
	18	Pressure Element				Bourdon			
	19	Fill Fluid				Glycerin filled (VTA)			
	20	Dial Size				100 mm			
	21	Dial Color				White laminated plastic with black numeral and markings.			
	22	Hermetically Sealed Case				No			
	23	Accuracy				± 1 % of F.S			
	24	Range				0-20 barg			
	25	Over range				130%			
	26	IP Rating				IP 65			
	27	Blow-Out Protection				Disc			
	28	Process Connection				1/2" NPTM (bottom)			
	29	Mounting				Direct mounting on line,Local Indication			
	30	Ring Material & Type				STAINLESS STEEL, SCREWED			
	31	Over Range Protection				130% FULL SCALE			
	PURCHAS	32	Calibration Adjustment				Yes		
33		Manufacturer				VTA			
34		Model-Sensor/Transmitter				VTA			

NOTES	VTC: VENDOR TO CONFIRM N/A: NOT APPLICABLE VTA: VENDOR TO ADVISE
	Vendor to provide calibration certificate and material test reports (MTR).
	Vendor shall provide mounting accessories.
	This Document Should be Used in Conjunction with Control Philosophy.
	Diaphragm seal with 2" flanged ANSI 150 lbs RF connectioned and AISI 316 material shall be provided.
	Tag plate shall be SS316 and permanently attached to the housing.
	Two-way Valve Manifold shall be considered for pressure gauges.

Client:			Project :			Designer:			
			Golgohar Iron & Steel Development Co.						
Document Title			DATA SHEET FOR PRESSURE GAUGE			Sheet: 11 OF 14			
GENERAL	1	Tag No.			PG-1004B				
	2	P&ID Sheet No.			1				
	3	Service			Pump Discharge Pressure				
	4	Location			Outdoor				
	5	Line / Eqp. No.			(8"-BR-1007-CS-N)/After PU-06B				
	6	Function			Local Indication				
	7	Area			Safe				
	8	Fluid		Phase		BRINE WATER (2800 < TDS < 5200 ppm)		Liquid	
	9	Fluid Viscosity		Specific Gravity		1.035		1	
	10	Pressure	Units	Norm	Max	barg		2.1 3	
	11	Temperature	Units	Norm	Max	°C		20 40	
	PROCESS	12	Design Pressure		Design Temperature		Barg/°C		4 25
13		Type			Direct Rdg				
14		Case Material			SS 316, vapor tight and weather proof				
15		Lens			Glass /Shutter Proof				
16		Element Material			SS 316				
17		Movement and Socket Material			SS 316				
18		Pressure Element			Bourdon				
19		Fill Fluid			Glycerin filled (VTA)				
20		Dial Size			100 mm				
21		Dial Color			White laminated plastic with black numeral and markings.				
GAUGE		22	Hermetically Sealed Case			No			
		23	Accuracy			± 1 % of F.S			
	24	Range			0-20 barg				
	25	Over range			130%				
	26	IP Rating			IP 65				
	27	Blow-Out Protection			Disc				
	28	Process Connection			1/2" NPTM (bottom)				
	29	Mounting			Direct mounting on line,Local Indication				
	30	Ring Material & Type			STAINLESS STEEL, SCREWED				
	31	Over Range Protection			130% FULL SCALE				
	32	Calibration Adjustment			Yes				
	PURCHAS	33	Manufacturer			VTA			
34		Model-Sensor/Transmitter			VTA				
NOTES VTC: VENDOR TO CONFIRM N/A: NOT APPLICABLE VTA: VENDOR TO ADVISE									
Vendor to provide calibration certificate and material test reports (MTR).									
Vendor shall provide mounting accessories.									
This Document Should be Used in Conjunction with Control Philosophy.									
Diaphragm seal with 2" flanged ANSI 150 lbs RF connectioned and AISI 316 material shall be provided.									
Tag plate shall be SS316 and permanently attached to the housing.									
Two-way Valve Manifold shall be considered for pressure gauges.									

Client:		Project :					Designer:		
		Golgohar Iron & Steel Development Co.							
Document Title		DATA SHEET FOR FLOW TRANSMITTER					Sheet: 12 OF 14		
GENERAL	1	Tag Number					FIT 1003		
	2	Service					RO BRINE WATER TRANNSEFER TO KOWSAR TANK TK-K01		
	3	Area Classification					SAFE AREA		
	4	P&ID Sheet No.					2		
	5	Line Number / Equip. Number					12"-BR-1008-A06-N		
	6	Line Size		Line Schedule			DN 300 (12")	40	
PROCESS CONDITIONS	7	Fluid					BRINE WATER (2800 < TDS < 5200 ppm)		
	8	Flow m ³ /h	Min.	Nor.	Max.	165	210	210	
	9	Max Velocity m/s				0.8			
	10	Temperature °C	Min.	Nor.	Max.		10	25 40	
	11	Pressure BarG	Min.	Nor.	Max.	1.3/ 2.1			
	12	Conductivity µs/cm				3900-8100			
METERING ELEMENT	13	Viscosity cP				0.92-1.03			
	14	Connection Size				12 " (DN300)			
	15	Connection Type				Flanged (ANSI B16.5)			
	16	Connection Materials				AISI 316S.S.			
	17	Tube Material				AISI 316S.S.			
	18	Liner Material				PTFE / HARD RUBBER			
	19	Electrode Material				AISI 316 S.S./ Hastelloy C276 (VTA)			
	20	Body / Casing				AISI 316S.S.			
	21	Power Supply				24VDC			
	22	Accuracy				0.2%			
ASSOCIATED INSTRUMENT	23	Ingress Protection				IP67			
	24	Function				Flow Detection			
	25	Mounting				HEAD MOUNTED			
	26	Graounding Ring Material				(VTA)			
	27	Signal Cable Length m				(VTA)			
	28	Power Supply				24 VDC			
	29	Transmitter Output Signal				4 - 20 mA, HART			
	31	Scale Size		Range		(VTA)			
	32	Display	Indicator Type			LCD			
	33		Indicator Range			0-250 m ³ /hr			
34	Integrator				YES				
PURCHASE	35	Manufacturer				(VTA)			
	36	Model				(VTA)			
Notes:		VTC: VENDOR TO CONFIRM N/A: NOT APPLICABLE VTA: VENDOR TO ADVISE 1) Vendor to provide calibration certificate and material test reports (MTR). 2) Tag plate shall be SS316 and permanently attached to the housing. 3) Vendor shall provide all accessories and options							

Client:		Project :		Designer:	
		Golgohar Iron & Steel Development Co.			
Document Title		DATA SHEET FOR PNEUMATIC ON/OFF VALVE (BUTTERFLY)		Sheet: 13 OF 14	
GENERAL	1	Tag No.		UV-1007	
	2	P&ID Sheet No.		1	
	3	Service		Brine Water	
	4	Line No./Vessel No.		Before 100-DRP-TA01-02	
	5	Function		ON/OFF	
	6	Quantity		1	
VALVE BODY	7	Type of Body		2/2 WAY	
	8	Size - Body/Port		200mm x 200mm	
	9	Rating & Type Conn.		NPT(F)	
	10	Material - Body		N.BRONZE	
	11	Material - Seat		N.BRONZE (1)	
	12	Material - Diaphragm		VTA	
	13	Operation Direct/Pilot		DIRECT	
	14	Packless or Type Packed		VTA	
WHEN DE-ENERGIZED	15	Manual Reset		VTA	
	16	Manual Operator		VTA	
	17	2-Way Valve Opens/Close		CLOSE	
	18	3-Way		N/A	
	19	Vent Port Opens/Close		N/A	
	20	Press Port Opens/Close		N/A	
	21	4-Way		N/A	
	22	Press to Cyl 1/Cyl 2		N/A	
	23	Exh. From Cyl 1/Cyl 2		N/A	
SOLENOID	24	Enclosure Class		IP 65	
	25	Voltage/ Hz		24V DC	
	26	Style of Coil		MOLD (CLASS F)	
	27	Single or Double Coil		Double	
	28	Electrical Cond. Conn.		1/2" NPTF	
	29	Ex-classification		SAFE	
ACTUATOR	30	Type of Actuator		Spring Return	
	31	Close at	Open at	VTA	VTA
	32	Stroking time		VTA	
	33	Fail Position		LOCK	
	34	Handwheel			
	35	Air supply press			
SERVICE CONDITIONS	36	Fluid		BRINE WATER (2800 < TDS < 5200 ppm)	
	37	Oper. Diff. Press. Min/Max (Barg)		15	20
	38	Allow. Diff. Press. Min/Max (Barg)		(1)	
	39	Temp. Norm/Max. °C		25	40
	40	Oper. sp. gr. kg/m3		1000	
	41	Oper. Viscosity Cp		(1)	
	42	Valve Cv		VTA	
	43	Required Cv		VTA	
OPTION	Limit Switch	Type	Tag No/Action	SPDT Mechanical Type	UZSC-1007
	EX.Protection		Ingress Protection	Safe Area	IP67
	Tubing Connection		VTA		
	44	Manufacturer		VTA	
PURCH ASE	45	Model Number		VTA	
Notes:	VTA: TO BE VERIFIED/SPECIFIED BY VENDOR.				

Client:		Project :		Designer:	
		Golgohar Iron & Steel Development Co.			
Document Title		DATA SHEET FOR PNEUMATIC ON/OFF VALVE (BUTTERFLY)		Sheet: 14 OF 14	
GENERAL	1	Tag No.		UV-1008	
	2	P&ID Sheet No.		1	
	3	Service		Brine Water	
	4	Line No./Vessel No.		Before 100-DRP-TA01-02	
	5	Function		ON/OFF	
	6	Quantity		1	
VALVE BODY	7	Type of Body		2/2 WAY	
	8	Size - Body/Port		200mm x 200mm	
	9	Rating & Type Conn.		NPT(F)	
	10	Material - Body		N.BRONZE	
	11	Material - Seat		N.BRONZE (1)	
	12	Material - Diaphragm		VTA	
	13	Operation Direct/Pilot		DIRECT	
	14	Packless or Type Packed		VTA	
WHEN DE-ENERGIZED	15	Manual Reset		VTA	
	16	Manual Operator		VTA	
	17	2-Way Valve Opens/Close		CLOSE	
	18	3-Way		N/A	
	19	Vent Port Opens/Close		N/A	
	20	Press Port Opens/Close		N/A	
	21	4-Way		N/A	
SOLENOID	22	Press to Cyl 1/Cyl 2		N/A	
	23	Exh. From Cyl 1/Cyl 2		N/A	
	24	Enclosure Class		IP 65	
	25	Voltage/ Hz		24V DC	
	26	Style of Coil		MOLD (CLASS F)	
	27	Single or Double Coil		Double	
	28	Electrical Cond. Conn.		1/2" NPTF	
	29	Ex-classification		SAFE	
ACTUATOR	30	Type of Actuator		Spring Return	
	31	Close at	Open at	VTA	VTA
	32	Stroking time		VTA	
	33	Fail Position		LOCK	
	34	Handwheel			
	35	Air supply press			
SERVICE CONDITIONS	36	Fluid		BRINE WATER (2800 < TDS < 5200 ppm)	
	37	Oper. Diff. Press. Min/Max (Barg)	15	20	
	38	Allow. Diff. Press. Min/Max (Barg)	(1)		
	39	Temp. Norm/Max. °C	25	40	
	40	Oper. sp. gr. kg/m3	1000		
	41	Oper. Viscosity Cp	(1)		
	42	Valve Cv	VTA		
	43	Required Cv	VTA		
OPTION	Limit Switch	Type	Tag No/Action	SPDT Mechanical Type	UZSC-1008
	EX.Protection	Ingress Protection	Safe Area	IP67	
	Tubing Connection		VTA		
	44	Manufacturer	VTA		
PURCH ASE	45	Model Number		VTA	
Notes:	VTA: TO BE VERIFIED/SPECIFIED BY VENDOR.				