3.7 Válvula Solenoide

SOLENOID VALVE
DATA SHEET

Contract:	4530003193
Data Sheet No.:	**724-M-DS-002** Rev: **0**
Unit:	Surge Vessels EB4
P.O. No.:	
Instr. Engr.	

Process Engr.	ProcData Rev	Date

Client: Minera Centinela
Plant: Estación de Bombeo N° 4, EB4
Site: Sierra Gorda, Antofagasta-Chile

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Unless otherwise noted below all valves shall comply with general specification sheets:

1		Fluid	Compressed Air	Service	SV Compressed Air	Crit Press, Pc		P&ID Dwg. No.		
	SERVICE / CONDITIONS	TAG: 724-1½"-BA-84-9981		Units	Maximum	Normal	Minimum	Other	Shut-off	
2		Flow Rate		m^3/h		110			---	
3		Inlet Pressure		barg	58		0			
4		Outlet Pressure		psig					79 BARG	
5		Inlet Temperature		°C	150		99			
6		Density/ Spec Grav / Mol Wt		kg/m³ / - / -		1,024 / - / 28,97			---	
7		Viscosity / Spec Heats Ratio		cP		0,02 / -			---	
8		Vapor Pressure, Pv		psia					---	
9		Required Cv							---	
10		Travel		%	100		0		0	
11		Allowable | Predicted SPL		dBA					---	---
12		Compressibility Factor, Z								

13	LINE	Pipe Size	In	1 in / #600	53	ACTUATOR	NEC Class	Non Hazardous Group	N/A Div N/A
14		& Schedule	Out	1 in / #600	54		Ambient Temp. Range	-5 to 35	°C
15		Pipe Line Insulation		No	55		Mfr & Model	VTS	
16	VALVE / BODY / BONNET	Type		2/2 way	56		Size VTS	Torque	VTS
17		Size		1 in	57		Function		On/Off
18		Max Press/Temp		58 barg 150 °C	58		Failure Position		Close
19		Manufacturer & Model No.		VTS	59		Power Supply Volt | Phase | Freq.		110 VAC / 1 / 50 Hz
20		Body / Bonnet Matl		SS316	60		Control Signal		N/A
21		Liner Material / ID		N/A	61		Stroke Time		VTS as minimun as posible
22		End Connection	In	Flanged Out Flanged	62		Duty Cycle		Valve permanently closed
23		Flg Face Finish		RF - ASME Class 600	63		Actuator Orientation		On Top of valve
24		End Ext / Matl		SS316 or VTS	64		Handwheel Type		N/A
25		Flow Direction		Bi-directional	65		Handwheel Orientation		N/A
26		Type of Bonnet		N/A	66		Mech. Dial Position Indicator		N/A
27		Lub & Iso Valve		N/A	67		Starter Location		N/A
28		Packing Material		VTS	68		Starter Location Classification	Non Hazardous	Group Div
29		Packing Type		VTS	69		Local Control & Lights		N/A
30		Rating		ASME Class 600	70		Remote Control		N/A
31	TRIM	Type		VTS	71		Local - Remote Interlock		N/A
32		Size		VTS	72		Cable Connection		Terminal box, 1" NPT Cable entry (3 each)
33		Characteristic		Fast Opening & Closing	73		Environmental conditions		Dusty
34		Balanced ①		Unbalanced ②	74	ACCESORIES	Position Transmitter		N/A
35		Rated Cv		VTS	75		Thermal Overload Switches		N/A
36		Plug/Ball/Disk Material		N/A	76		Position Switches		N/A
37		Seat Material		N/A	77		Torque Switches		N/A
38		Cage/Guide/Stack Material			78		Contacts & Rating		N/A
39		Stem Material		VTS	79				
40					80		Heater		N/A
41	TESTS	Hydro Pressure		psig	81		Reversing Starter		N/A
42		ANSI / FCI Leakage Class			82				
43		Pos. Material Identification			83		Outline Dimensions		Certified Dimensions Outline Required

44	NOTES	1.- La válvula estará normalmente cerrada.
45		2.- Para más detalles, por favor, ver el Anexo A.
46		3.- Protección NEMA 4X
47		4.- Se requiere inspección, pruebas y certificación.
48		5.- La brida debe ser ANSI RF CLASS #600.
49		6.- La válvula estará instalada a la intemperie.
50		7.- La válvula puede verse en el DTI: ILF-GP-4530003193-724-T-PI-001, en la línea N° 1½"-PA-724-SS6-7461I
51		
52		

REVISION LOG

REV.	ISSUE STATUS	DATE	BY	CHK'D	APP'D

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