

A	14-08-2026	Construcción	SEDIMA	C.Pedraza	O. Escorcía
Rev	Fecha	Emitido Para	Elaboró	Revisó	Aprobó

INGENIERÍA DETALLADA DEL SISTEMA DE PROTECCIÓN AUTÓNOMO PARA LA LÍNEA TEMPORAL SAMORÉ: CRUCE “LA CHINA”



HOJA DE DATOS DE VÁLVULAS CON ACTUADORES ESDV (1749-DS-M-332)

CLIENTE:



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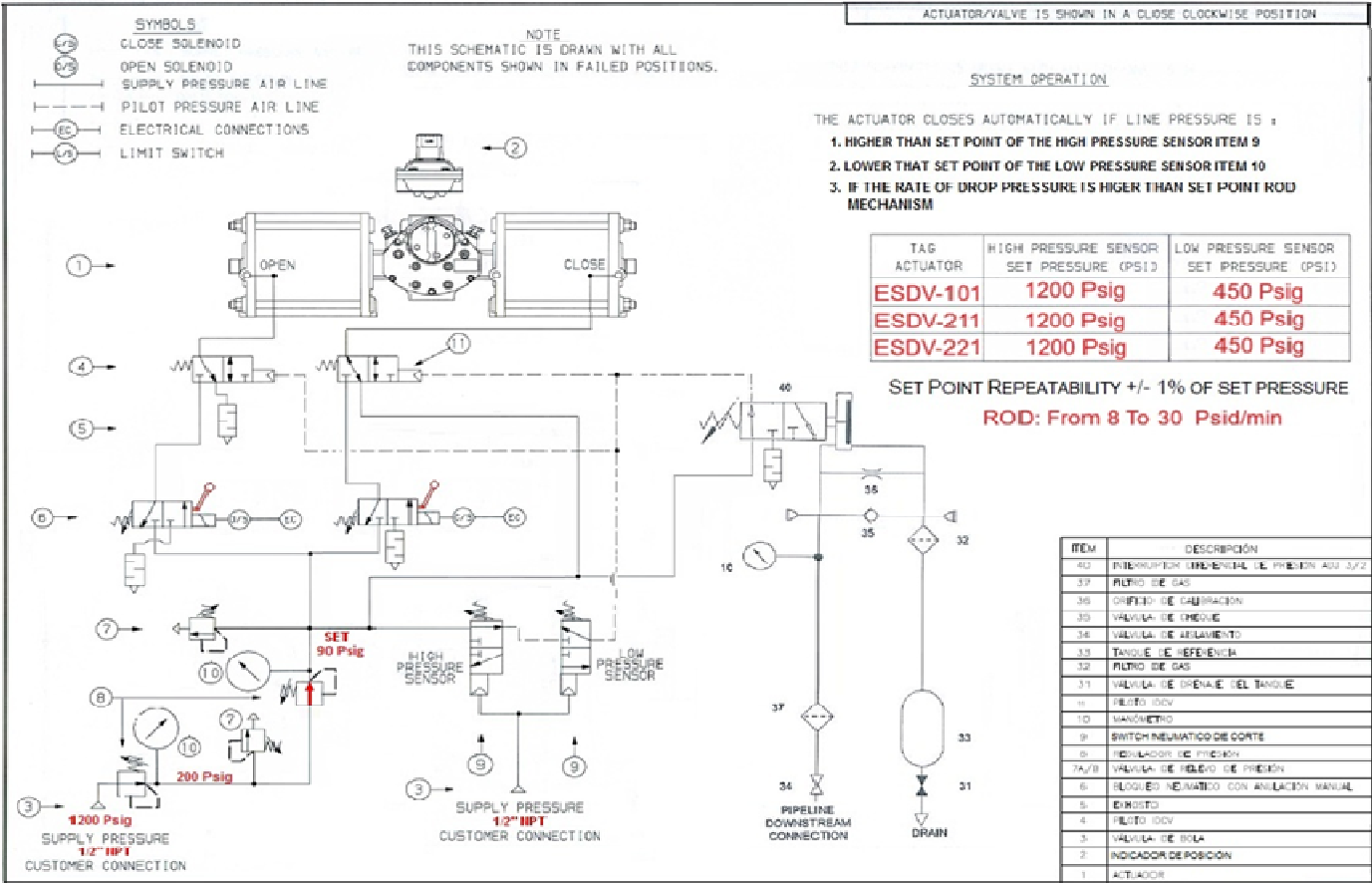
 PROMIORIENTE Una empresa PROMIGAS		BLOCK VALVE AND ACTUATORS				SHEET NO. 1 OF 3	
						SPEC, 1749-DS-M-332	
						REV. A	
						PROJECT ESDV "La China"	
						DATE 14/08/2026	
						REQ. P.O. #4900117705	
		BY SEDIMA		CHEK'D H.PERDOMO		APPR. O.ESCORCIA	

GENERAL					MATERIALS, ACTUATOR				
1	Item number: 02				51	Yoke By Mfr Stem By Mfr			
2	Tag number: ESDV-101 / ESDV-211 / ESDV-221				52	Casing By Mfr Spring By Mfr			
3	Vessel, Line, or Equipment No.: N/A				53	Protective coating: Yes ☒ No ☐ Type: MFR Standard			
4	Number required: 1				54	Painting specifications: MFR Standard			
5	Service description: Shutdown Valve				55	Others: Tubing shall be 316SS with Swagelok fittings			
6	Area: PK 6 +660				HYDRAULIC / PNEUMATIC ACTUATOR N/A ☐				
7	P&ID No.:								
SERVICE CONDITIONS									
8	Fluid and state: Natural Gas				56	Supply medium: Process Connection Volume per stroke:			
9	Different cases				57	Supply pressure min./normal/max.: 80 / 100 / 110 PSIG			
10	Oper. Temper. Units, °F: CASE 1 85 CASE 2 90 CASE 3 100				58	Control signal: Pneumatic ☐ Electric ☒ Other ☐ 24 Volts AC ☒ DC ☒			
11	Oper. Press. Units, psig: CASE 1 550 CASE 2 1100 CASE 3 1200				59	Diaphragm/Piston size: By Mfr			
12	Max. shut-off diff. press. & units, psig: CASE 1 550 CASE 2 1100 CASE 3 1200				60	Material diaphragm/piston: By Mfr			
13	Operating flow QTY. & units, MMSCFD: CASE 1 28 CASE 2 30 CASE 3 41				61	Connections: Supply By Mfr Return: By Mfr			
14	Molecular weight: 21.927 Spec. grav. ☒ Density ☐ 0,5680				62	Others: For Gas Over Oil power supply its possible a direct connection to the process (550 -1100 Psig)			
15	Viscosity @ flowing temperature & units:				ELECTRICAL ACTUATOR N/A ☒				
16	Pipe size & material: 6" Sched. ☒ Thickn. ☒ 40				64	Power Supply: Voltage Phases Frequency			
17	Installation: Buried ☐ Above ☒ Other:				65	Consumption: RPM			
18	Run of pipe: Horizontal ☒ Vertical ☐ Other:				66	Cable connection: Signal Power			
VALVE					67	Control Signal: Volts AC ☒ DC ☒ Other:			
19	New ☒ Existing ☐ Type: Full Welded Double Trunion Ball				68	Communications standard:			
20	Manufacturer & model No.: Cameron T31 or Similar				69	Enclos. protection: Area classification:			
21	Body & Port size: 6" FULL PORT Press. rating: 600#				70	Other:			
22	Process conn. size / type: 6", 600# RF				LIMIT SWITCHES N/A ☐				
23	Packing: Adjustable Seat leakage class: VI				71	No. of switches: 2 Actuation points: open and closed position			
24	Running torque & units: 5000 Lb-in				72	Tag numbers: Type:			
25	Breaking torque & units: 8400 Lb-in				73	Manufacturer & Model No.: By Mfr			
26	Fire Safe: Yes ☒ No ☐ Approval API 6FA, API 607, API 598				74	Working voltage range: 24 VDC Contact configuration: DPDT			
27	Valve characteristic: Full Bore				75	Contact rating: By Mfr Contact material: By Mfr			
28	Other: ALL WELDED BODY				76	Electrical conn. size: 3/4" Type: FNPT			
MATERIALS, VALVE & TRIM					77	Enclos. protection: NEMA 7 & 4X Area classification: Class I, Div.2, Gr.D			
29	Body/Bonnet: A216 WCC				78	Material housing: By Mfr Protective coating: YES			
30	Trim (moving part): A216 WCC / A105 3MIL ENC				SOLENOID VALVE ☒ PRESSURE SWITCH ☐ PILOT VALVE N/A ☐				
31	Stem: A216 WCC / A105 3 MIL ENC Packing/seal: Graphite				79	Tag Number: S-110A & S-110B Type: 3/2 NC-way, low powered, 24 VDC			
32	Plug or Ball: A216 WCC / A105 3 MIL ENC Stellite: Yes ☒ No ☐				80	Manufacturer & Model No.: VERSA VAL3521- XX-PC OR 2 WAY NC FOR ROTARY VANE OPTION			
33	Seat / Seat Spring: PTFE Stellite: Yes ☒ No ☐				81	Voltage 24 AC ☒ DC ☒ Signal pressure set at: 80 Psig			
34	Seals: Hi-Fluorine Viton				82	Size Body/Parts: BY MFR Material body: 316 SS			
35					83	Electrical conn. size: 3/4" Type: BY MFR			
ACTUATOR (GENERAL)					84	Enclos. protection: NEMA 7 & 4X Area classification: Class I, Div.2, Gr. D			
36	Type: Electrical ☐ Pneumatic ☒ Hydraulic ☐				85	Material housing: Protective coating:			
37	Spring return ☒ Double acting ☐ N/A ☐				86	Provide one 5-way, SS sol. valves with NEMA 4X+7 coil housing & class H insulation			
38	Other: Gas Over Oil (SCOTH YOKE OR ROTARY VANE)				MISCELLANEOUS				
39	Manufacturer & Model No.: Bettis / Rotork / limitorque / Ledeen / Shafer				87	Accumulator unit: Yes ☒ No ☐ Sizing for three (3) power strokes			
40	Orientation: Axial to Pipe Line Dimension: By Mfr				88	Position indicator: Yes ☒ No ☐			
41	Connections: Actuator / Body: By Mfr				89	Position transmit.: Yes ☒ No ☐			
42	Actuator / Valve Stem: By Mfr				90	Handwheel: Yes ☐ No ☒ Note 3			
43	Torque @ min/max supply: 16 800 Lb-in				91	Speed regulator: Yes ☒ No ☐			
44	Thrust @ min/max supply:				92	Filter: Yes ☒ No ☐			
45	Valve opening time: 20 - 30 Sec Valve closing time: 20 - 30 Sec				93	Regulator: Yes ☒ No ☐ By Mfr			
46	Failure on: Loss of control signal Last position				94	Stroke test device: Yes ☐ No ☒			
47	Loss of pneumatic ☐ Hydraulic ☐ signal				95	Fire certification, Valve/Actuator: YES			
48	Frequency of operation: Infrequent Fire Safe: Yes ☒ No ☐				96	Custom tag type: SS permanent attached to actuator, solenoid box			
49	Actuator mounted by: Manufacturer				97	Compliance standard:			
50	Others:				98	Other: Include Two Pressure Switch to Shut down, one for HH and one for LL. Include ROD System			

NOTES: 1. Shutdown Valve shall have a permanently attached S.S tag stamped with the following information: Identification TAG and P.O Number
2. Seller shall supply material and hydrotest certificates.
3 The Solenoid Valve must be equiped with hand Lever mechanism for manual operation.
4 The item remark with (By Mfr) must be filled by manufacturer

 PROMIORIENTE Una empresa PROMIGAS	BLOCK VALVE AND ACTUATORS				SHEET NO. 2 OF 3	
	NO	BY	DATE	REVISION	SPEC, 1749-DS-M-332	REV. A
	1	SEDIMA	5/08/2026	A	PROJECT ESDV "La China"	DATE 14/08/2026
					REQ. P.O. #4900117705	
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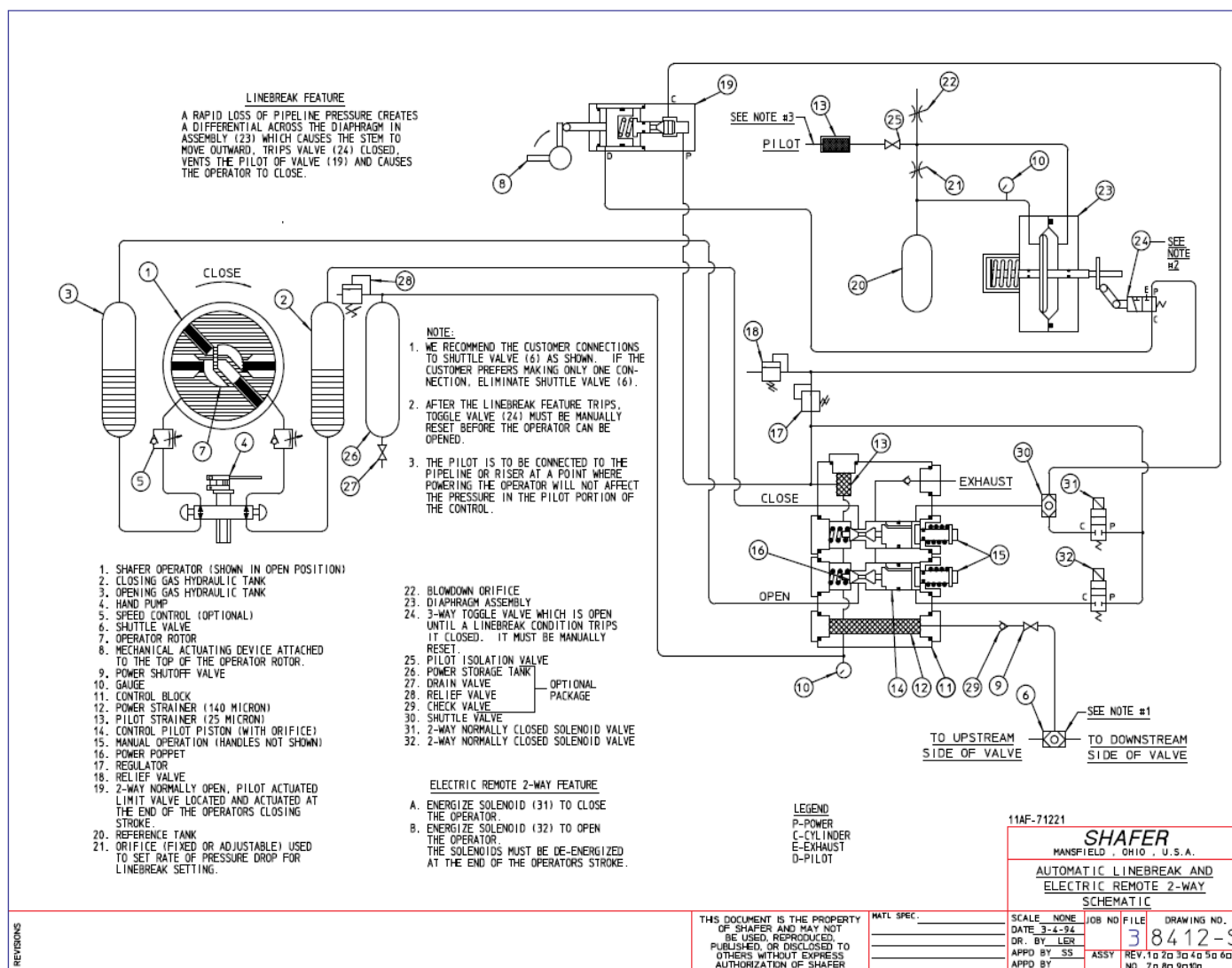
CONTROL BLOCK DIAGRAM - FOR NEUMATIC OPTION



NOTES:

BLOCK VALVE AND ACTUATORS				SHEET NO. 3		OF 3	
				SPEC, 1749-DS-M-332		REV. A	
NO	BY	DATE	REVISION	PROJECT		DATE	
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				REQ. P.O.			
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CONTROL BLOCK DIAGRAM - FOR ROTARY VANE OPTION



NOTES: