



R.U.C.: 1791403916001
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ENERGYPETROL S.A.

Calle José Puerta N39-155 y Av. Eloy Alfaro - Quito - Ecuador
Telf: (593) 2 922-064
E-mail: energypetrol@energypetrol.net

LISTA EQUIPOS

SAMSON MARZ

FECHA: 29/3/2017

DATOS DEL CLIENTE
JOSÉ PUERTA N39-155 Y ELOY ALFARO

TERMINOS COMERCIALES
TIEMPO DE ENTREGA: 2-3 DIAS

REFERENCIA:

ITEM	NUM. PARTE	DESCRIPCION	CANT	UNIDAD
1	0110-7715	Seat, seat bore 12, DN 15-25 1.4404 Brand: SAMSON P/N: 0110-7715 PARTES DE VALVULA ALEMANIA	2	EA.
2	0221-1330	Plug assembly, Kvs 4, %, 1.4404 DN 15-50, seat bore 12 Brand: SAMSON P/N: 0221-1330 PARTES DE VALVULA ALEMANIA	2	EA.
3	0270-1017	Spring DN 15-80, 1.4310 For valve 3244, 3 in, ANSI 150 Brand: SAMSON P/N: 0270-1017	4	EA.
4	0270-1047	SPRING DN 100-150 For valve 3244, 4 in, ANSI 150 Brand: SAMSON P/N: 0270-1047	7	EA.
5	0310-0925	BUSHING DN 15-80, 1.4404 For valve 3244, 3 in, ANSI 150 Brand: SAMSON P/N: 0310-0925	4	EA.
6	0310-2149	Adapter M 20 x 1.5 / NPT 1/2 of aluminum, powder-coated gray-beige RAL 1019 Var ID:: 0310-2149	6	EA.
7	0310-2163	Bushing DN 100-150 For valve 3244, 6 in - ANSI 150, 4in -ANSI 300; 6 in - ANSI 300. Brand: SAMSON P/N: 0310-2163	7	EA.
8	0340-0878	Washer DN 15-80, 1.4404 For valve 3244, 3 in, ANSI 150 Brand: SAMSON P/N: 0340-0878	3	EA.
9	0340-0879	Washer For valve 3244, 4", ANSI 150) P/N: 0340-0879 SAMSON	7	EA.
10	0430-0404	V-ring packing DN 15-80 For valve 3244, 3in Ansi 150 Samson Var ID 0430-0404	3	EA.
11	0430-0420	V-Ring-Packing DN 100-150 PTFE For valve 3244, 4 in, ANSI 150 Brand: SAMSON P/N: 0430-0420	7	EA.
12	0520-0498	Diaphragm 240 cm2 NBR 50 Shore A for actuator Samson Type 3277, Samson Var ID 0520-0498 Nota: Actuador Neumatico Pais de Origen: Alemania	4	EA.
13	0520-0499	Diaphragm 700 cm2 NBR 50 Shore A for actuator Samson Type 3277 Samson Var ID 0520-0499 Nota: Actuador Neumatico Pais de Origen: Alemania	10	EA.

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14	0520-0525	Diaphragm 350 cm ² Samson Var ID.: 0520-0525 Nota: Actuador Neumatico Pais de Origen: Alemania	8	EA.
15	1008578	Type 4763 Electropneumatic Positioner Lever I (length 40-127 mm); Spring 1 (15 mm travel); Pneumatic connections ISO 228/1 - G 1/4; Electrical connection: Cable gland M 20 x 1.5 black (plastic); Type6109 i/p Module ; Reference variable 4-20 mA Samson ID 1008578	2	EA
16	0520-0851	Diaphragm 160 cm ² BRAND SAMSON PN 0520-0851 Nota: Actuador Neumatico Pais de Origen: Alemania	6	EA.
17	0520-0591	Diaphragm 1400 cm ² NBR 50 Shore A for actuator Samson Type 3277, Samson Var 0520-0591 Nota: Actuador Neumatico Pais de Origen: Alemania	5	EA.
18	1400-5658	Pair of venting screws brass including flat seal, free of oil andgrease for oxygen Samson Var ID: 1400-5658	8	EA.
19	1400-5659	Pair of brass screw plugs including flat gasket, free of oil andgrease for oxygen Samson Var ID: 1400-5659	16	EA.
20	1400-6503	Pair of threaded ends ½" P/N 1400-6503	2	EA.
21	1400-6505	Pair of threaded ends P/N 1400-6505	4	EA.
22	1400-6542	Threaded ends 1" (3 pieces) P/N 1400-6542	3	EA.
23	1400-6664	Cam disk 90 ° linear P/N 1400-6664	2	EA.
25	1400-6950	2 pressure gauges for mounting block/pressure gauge build-on block, housing CrNiMo steel, P/N 1400-6950	18	EA
26	1400-7103	Mounting parts for attachment onto Type 3767 Rotary Actuator, 160 cm ² P/N 1400-7103	1	EA
27	1400-7453	Mounting parts for direct attachment, for lever M (Type 3730, 240-700 cm ²) P/N 1400-7453	9	EA
28	1400-7455	Mounting parts for linear actuators acc. to DIN IEC 534 (Namur), mit lever L (14 to 100 mm travel) Samson P/N 1400-7455	2	EA.
29	1400-7462.	Pneumatic connecting plate NPT 1/4 P/N 1400-7462	7	EA.
30	1400-7614	Mounting parts for attachment onto Type 3730 Rotary Actuator, 160/320 cm ² P/N 1400-7614	16	EA

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31	1400-7643	Pair of screw plugs G 3/8 CuZn with O-ring NBR Samson Var ID: 1400-7643	10	EA.
32	1400-7749	Compression-type fitting for mounting to Wika shut-offvalves, free of oil and grease for oxygen Samson Var ID: 1400-7749	4	EA.
33	1400-7874	Screw cap G 1/2 LH, stainless steel, free of oil and greasefor oxygen Samson Var ID: 1400-7874	6	EA.
34	4048378	Type 3731 Electropneumatic Positioner Type 3731-3, with LCD, HART communication, 4 to 20 mA, with AUTOTUNE; II 2 G Ex db/Ex de IIC T6/II 2 D Ex tb IIC T 80 °C IP 66 acc. to ATEX; EXPERTplus diagnostics; Electrical connecting thread 1/2 NPT; Shutdown action: 3.8 mA; Hardware version device index 03; Software version R1.53 Samson Var ID: 4048378	3	EA
35	1400-8812	Mounting/connection block NPT 1/4 1400-8812 Type 3767	1	EA
36	1400-9740	Cable de comunicación para posicionador 3730-X Isolated USB interface adapter (3730-X) Brand: SAMSON P/N: 1400-9740	1	EA
37	1611378	Type 4708 Supply Pressure Regulator Type 4708-12 Supply Pressure Regulator; connection thread 1/4-18 NPT; Set point range 0.5...6.0 bar, without pressure gauge; Aluminum connecting part; Filter in aluminum receptacle BRAND: SAMSON P/N: 1611378 Nota: Parte de válvula regulador de presión Pais de Origen: Alemania.	5	EA.
38	1611993	Type 4708 Supply Pressure Regulator Type 4708-53 Supply Pressure Regulator, for mounting to Types 373x/376x/378x Positioners (linear actuators); Connection thread 1/4-18 NPT; Set point range 0.5...6.0 bar, with pressure gauge (connection nickel-plated brass); With 2 pressure gauges; Aluminum connecting part; Filter in black plastic regulator body; Packed BRAND SAMSON PN 1611993 Nota: Regulador de Presión Pais de Origen: Alemania	3	EA.
39	1690-2238	Threaded Bushing DN 15-80, 1.4404 / Kohle, für Stange 10 mm For valve 3244, 3 in, ANSI 150 Brand: SAMSON P/N: 1690-2238	4	EA
40	1690-2239	Threaded Bushing (Typ 3241 DN 100-150, Typ 3251 DN 50-100), 1.4404 16 mm For valve 3244, 4', ANSI 150) P/N: 1690-2239 SAMSON PARTE DE VALVULA ALEMANIA	7	EA
41	2501466	Type 3710 Reversing Amplifier Aluminum housing; Connecting thread 1/4-18 NPT; Ready for pressure gauge attachment; Degree of protection: IP 65, polyamide filter check valve Samson Var ID: 2501466	2	EA.
42	3470998	Supply Pressure Regulator Type SAMSTATION P/N: 3470998 Nota: Regulador de presión Pais de Origen: Alemania	2	EA

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43	8414-1493	Gasket 102 x 120 x 1, Grafit / 1.4401 For valve 3244, 3 in, ANSI 150 Brand: SAMSON P/N: 8414-1493	3	EA.
44	8414-1496	Graphite gasket 130 x 150 x 1 DN 100 For valve 3244, 6 in Ansi 150; 4 in Ansi 300; 6 in Ansi 300 Samson Var ID: 8414-1496 Nota: Empaque de grafico Pais de Origen: Alemania	6	EA.
45	8414-1501	Graphite gasket 175 x 200 x 1 DN 150 For valve 3244, 4 in Ansi 150 Samson Var ID: 8414-1501 Nota: Empaque de grafico Pais de Origen: Alemania	1	EA.
46	Suministros y Materiales	Filter element 8504-9030	12	EA.
47	3134126	Type 6111 i/p Converter Intrinsically safe Ex II 2 G Ex ia IIC T6 acc. to ATEX; Housing unit for rail mounting, top-hat rail 35 mm acc. to DIN EN 60715; With Type 6112 i/p Module; Input 4 to 20 mA (with switch-off electronic function); Booster I; Output 0.4 to 2.0 bar; Operating direction: increasing/increasing; Pneumatic connection 1/8-27 NPT female thread; Electrical connection terminals for 0.5 to 2.5 mm ² wires; Degree of protection IP 20 Marca: Samson Var ID: 3134126	6	EA
48	1167148	SWITCH INDUCTIVE LIMIT , TYPE 3768, INTRINSICALLY SAFE/NON INCENDIVE FM/CSA;WITH TWO INDUCTIVE LIMIT SWITCHES SJ2 SN;WITH SOLENOID VALVE 24VDC; AIR CONNECTION: 1/4-18NPT; ELECTRICAL CONNECTION: CABLE GLAND M20 x 1.5 BLACK(PLASTIC) SAMSON PN: 1167148	1	EA
49	1010690	Type 3277 Pneumatic Actuator 15 mm operating travel; Type 3277, diaphragm area 240 cm ² ; Diaphragm material NBR; Loading pressure connection: NPT thread; Bench range 0.6.....3.0 bar; Fail-safe action "Stem extends" Brand Samson ID 1010690	1	EA.
50	1010692	Type 3277 Pneumatic Actuator 15 mm operating travel; Type 3277, diaphragm area 350 cm ² ; Diaphragm material NBR; Loading pressure connection: NPT thread; Bench range 2.1 to 3.3 bar; Fail-safe action "Stem extends" Samson Var ID.: 1010692	3	EA
51	1010731	Type 3277 Pneumatic Actuator 30 mm operating travel; Type 3277, diaphragm area 700cm ² ; Diaphragm material NBR; Loading pressureconnection: NPT thread; Bench range 0.6.....3.0 bar;Fail-safe action "Stem extends" Brand Samson ID 1010731	1	EA.
52	1060903	Type 5856 Electric Actuator Type 5856-2; Thrust 300 N; 6.5 mm travel; Transit time 150 s; Operating voltage 230 V / 50 Hz; Coupling nut M 32 x 1.5 P/N1060903	2	EA
53	270494	Type 5824 Electric Actuator Type 5824-10; Force-locking; Closing force 700 N; 7.5 (6) mm travel; Positioning speed 0.18 mm/s with 50 Hz or 0.22 mm/s with 60 Hz; Operating voltage 24 V AC; 50 Hz; With analog positioner, input: 0(2)...10 V / 0(4)...20mA, output: 0...10 V P/N 1008826	5	EA.

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54	1196988	Type 3222; Connection male thread; 1/2" DN 15; Body red brass CC491K or CC499K (Rg5); PN 25; Perm. temperature 200 °C / 390 °F; Characteristic equal percentage; Seat 1.4305; Plug 1.4305; Metal sealing; Travel 6 mm; Kvs 2.5 / Cv 3 ; Max. perm. differential pressure 20 bar/290 psi P/N 1196988	1	EA.
55	1640576	Type 4708 Supply Pressure Regulator Type 4708-12 Supply Pressure Regulator; Connection thread ISO 228/1, G 1/4; Set point range 0.5...6.0 bar, without pressure gauge; Aluminum connecting part; Filter in aluminum receptacle	2	EA
56	3276038	Type 4708 Supply Pressure Regulator	2	EA
57	1069650	Type 3277 Pneumatic Actuator 15 mm operating travel; Type 3277, diaphragm area 700 cm²; Diaphragm material NBR; Loading pressure connection: ISO 228-1 G thread; Bench range 2.1 to 3.3 bar; Fail-safe action "Stem extends"; Operating range: 2.7 to 3.3 bar BRAND SAMSON PN 1069650	1	EA
58	1279491	Type 3310 Segmented Ball Valve With flanges, face-to-face dimensions acc. to ISA S75-04 (short version); Valve body size 3"; ANSI Class 300; Body cast steel 1.0619 / A216 WCC; Flanges RF - Raised Face acc. to ANSI B16.5; Kvs 340 / Cv 400 with 90° opening angle; Equal percentage characteristic; PTFE soft sealing; Connecting flange acc. to ISO 5211 F07; With feather keynotch, shaft 16 mm; Packing V-ring, PTFE-carbon, spring-loaded; Single packing; Bearing for standard temperature range up to +220 °C (up to +430 °F) Samson Var ID 1279491	1	EA.
59	1333890	Type 3310 Segmented Ball Valve With flanges, face-to-face dimensions acc. to ISA S75-04 (short version); Valve body size 2"; ANSI Class 300; Body cast steel 1.0619 / A216 WCC; Flanges RF - Raised Face acc. to ANSI B16.5; Kvs 140 / Cv 160 with 90° opening angle; Equal percentage characteristic; PTFE soft sealing; Connecting flange acc. to ISO 5211 F07; With feather keynotch, shaft 16 mm; Packing V-ring, PTFE-carbon, spring-loaded; Single packing; Bearing for standard temperature range up to +220 °C (up to +430 °F) Samson Var ID 1333890	3	EA.
60	1443982	Type 3310 Segmented Ball Valve With flanges, face-to-face dimensions acc. to ISA S75-04 (short version); Valve body size NPS 3; ANSI Class 300; Body cast steel 1.0619/A216 WCC; Flanges RF with raised face acc. to ANSI B16.5; Kvs 340/Cv 400 with 90° opening angle; Equal percentage characteristic; Metal sealing; Connecting flange acc. to ISO 5211 F07; With key drive, 16 mm shaft; V-ring packing, PTFE-carbon, spring-loaded; Single packing; Bearing for standard temperature range up to +220 °C (up to +430 °F) Samson Var ID: 1443982	2	EA
61	1649884	Type 3222 Valve, Connection male thread; 1", Body red brass CC491K or CC499K(Rg5); (Rg5); PN 25; Perm. Temperature 150°/300°F; Characteristic equal percentage, Seat 1.4305; Plug 1.4305; EPDM soft Sealing; Travel 6mm; Kvs 8.0/Cv 9.4; Max. perm. differential pressure 20 bar/290psi P/N 1649884	1	EA.

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ITEM	NUM. PARTE	DESCRIPCION	CANT	UNIDAD
63	1676292	Type 3310 Segmented Ball Valve With flanges, face-to-face dimensions acc. to ISA S75-04 (short version); Valve body size 4"; ANSI Class 150; Body cast steel 1.0619/A216 WCC; Flanges RF with raised face acc. to ANSI B16.5; Kvs 600/Cv 700 with 90° opening angle; Equal percentage characteristic; Metal sealing; Connecting flange acc. to ISO 5211 F12; With key drive, 25 mm shaft; V-ring packing, PTFE-carbon, spring-loaded; Single packing; Bearing for standard temperature range up to +220 °C (up to +430 °F) BRAND SAMSON PN/ 1676292 Nota: Valvula de bola Pais de Origen: Alemania	1	EA.
64	1776114	Type 3226 Three-way Valve 1"; kvs 10 / cv 11.7; ANSI Class 250; With male thread; Perm. temperature 150 °C / 300 °F; Flow-diverting valve; Body red brass CC491K; Plug and stem seals made of EPDM; Force-locking, for electric/pneumatic actuators e.g. Types 5824/5825, 2780; 6 mm rated travel P/N 1776114	3	EA.
65	1009124	Type 6116 i/p Converter Intrinsically safe Ex II 2G EEx ia IIC T6 acc. to ATEX; Type 6109 i/p Module; Input 4 - 20mA; Output 3 - 15 psi; Increasing/increasing; Electrical connection 1/2-14 NPT; Pneumatic connection 1/4 NPT; Degree of protection IP 65 1009124	3	EA.
66	1011542	Type 6111 i/p Converter Housing unit for rail mounting, top-hat rail 35 mm acc. to DIN EN 60715; With Type 6109 i/p Module; Input 4 to 20 mA (with switch-off electronic function); Booster I; Output 3 to 15 psi; Operating direction: increasing/increasing; Pneumatic connection: Hose connection for hose 4x1 mm; Electrical connection terminals for 0.5 to 2.5 mm² wires; Degree of protection IP 20 BRAND SAMSON PN 1011542 Nota: Convertidor IP Pais de Origen: Alemania	3	EA
67	1325301	Type 3310 Segmented Ball Valve With flanges, face-to-face dimensions acc. to ISA S75-04 (short version); Valve body size 3"; ANSI Class 150; Body cast steel 1.0619 / A216 WCC; Flanges RF - Raised Face acc. to ANSI B16.5; Kvs 340 / Cv 400 with 90° opening angle; Equal percentage characteristic; Metal sealing; Connecting flange acc. to ISO 5211 F07; With feather keynotch, shaft 16 mm; Packing V-ring, PTFE-carbon, spring-loaded; Single packing; Bearing for standard temperature range up to +220 °C (up to +430 °F) Samson ID 1325301	2	EA
68	1375824	Type 6111 i/p Converter Intrinsically safe Ex II 2 G EEx ia IIC T6 acc. to ATEX; Housing unit for rail mounting, top-hat rail 35 mm acc. to DIN EN 50022 / 60715; With Type 6109 i/p Module; Input 4 - 20mA (with switch-off electronic function); Booster I; Output 3 - 15 psi; Operating direction: increasing/increasing; Pneumatic connection 1/8-27 NPT female thread; Electrical connection terminals for 0.5 to 2.5 mm² wires; Degree of protection IP20 Brand Samson ID 1375824 Nota: Parte de valvula Convertidor IP Pais de Origen: Alemania	4	EA.

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ITEM	NUM. PARTE	DESCRIPCION	CANT	UNIDAD
69	1420374	Type 6111 i/p Converter Intrinsically safe Ex II 2 G EEx ia IIC T6 acc. to ATEX; Housing unit for rail mounting, top-hat rail 35 mm acc. to DIN EN 50022 / 60715; With Type 6112 i/p Module; Input 4 - 20 mA (with switch-off electronic function); Booster I; Module H: Lower range value 0.1 - 1.2 bar, delta p 5.94 - 8.00 bar; Operating direction: increasing/increasing; Pneumatic connection 1/8-27 NPT female thread; Electrical connection terminals for 0.5 to 2.5 mm ² wires; Degree of protection IP 20 P/N 1420374	9	EA.
70	1735436	Type 6112 i/p Converter Module II 2 G EEx ia IIC T6 acc. to ATEX; for Type 6116 i/p Converter; Input 2 - 18 mA; Module E: Lower range value 0.1 to 0.8 bar, delta p 2.44 to 3.28 bar; Direction of action: increasing/increasing P/N 1735436	7	EA.
71	1735394	Type 6112 i/p Converter Module II 2 G EEx ia IIC T6 acc. to ATEX; for Type 6116 i/p Converter; Input 4 - 20 mA; Output 6 - 30 psi; Direction of action: increasing/increasing Samson Var ID: 1735394	1	EA.
72	2046031	Type 6126 i/p Converter Pneumatic connection 1/4-18 NPT; With Type 6109 i/p Module; Input 4 to 20 mA; Output 3 to 15 psi; Direction of action: increasing/increasing; Degree of protection IP 54 DESCONTINUADO SAMSON PN 1009258 ACTUAL SAMSON PN/ 2046031 Nota: Convertidor IP País de Origen: Alemania	1	EA.
73	3057059	Type 6116 i/p Converter Intrinsically safe EEx ia acc. to CSA Standard/FM Standard; Type 6112 i/p Module; Input 4 - 20mA; Output 6 - 30 psi; Increasing/increasing; Electrical connection 1/2-14 NPT; Pneumatic connection 1/4 NPT; Degree of protection NEMA 4; Special version down to -45 °C Samson Var ID: 3057059	1	EA.
74	1008177	Type 3760 Positioner Pneumatic connections ISO 228/1 - G1/8; Electrical connection: Cable gland M20x1.5 black (plastic); Type 6109 i/p Module; Reference variable 4...20 mA; Packed Samson Var ID: 1626739	1	EA.
75	2838128	Type 3730 Electropneumatic Positioner Type 3730-1 with LCD and AUTOTUNE, 4...20 mA reference variable, 2 software limit switches; Intrinsically safe / non incensive FM/CSA; Hardware version device index 02; Software version 2.12 Var-ID: 2838128	6	EA
76	4367797	Type 3730 Electropneumatic Positioner Type 3730-3 with LCD and AUTOTUNE, 4 to 20 mA reference variable, HART communication, 2 software limit switches/1 fault alarm contact; II 2 G EEx ia IIC T6 / II 2 D IP 66 T 80 °C ATEX; EXPERTplus diagnostics; Packed; Hardware version device index 01; Software version 1.54 Brand Samson P/N 2933680 Nota: Posicionador Electroneumatico País de Origen: Alemania	5	EA.

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77	3023546	Type 3730 Electropneumatic Positioner Type 3730-2 with LCD and AUTOTUNE, 4 to 20 mA reference variable, 2 software limit switches/1 fault alarm contact; Intrinsically safe/non incendive FM/CSA; with solenoid valve 24 V DC; With analog position transmitter, 2-wire, 4 to 20 mA; EXPERTplus diagnostics; Hardware version device index 01; Software version 1.54 Brand: SAMSON P/N: 3023546 Nota: posicionador Electroneumatico parte de valvula Pais de Origen: Alemania	2	EA.
78	3443402	Type 3730 Electropneumatic Positioner Type 3730-4 with LCD and AUTOTUNE, Profibus-PA; II 2 G Ex ia IIC T6; II 2 D Ex tb IIIC T 80 °C IP 66, ATEX; EXPERTplus diagnostics; PA device profile version 3.01; Packed; Hardware version device index 01; Software version K2.00 and R1.52 BRAND SAMSON P/N 3443402 Nota: Posicionador electroneumatico Pais de Origen: ALEmania	2	EA.
79	4616151	Type 3730 Electropneumatic Positioner Type 3730-3 with LCD and AUTOTUNE, 4 to 20 mA reference variable, HART communication, 2 software limit switches/1 fault alarm contact; Intrinsically safe/non incendive FM/CSA; with solenoid valve 24 V DC; With analog position transmitter, 2-wire, 4 to 20 mA; EXPERTplus diagnostics; Hardware version device index 01; Software version 1.54 Samson Var ID: 3245587	8	EA.
80	390883	Type 3767 Electropneumatic Positioner Intrinsically safe Ex II 2 G EEx ia IIC T6 acc. to ATEX; With 2 inductive limit switches SJ2-SN; 3/2-way solenoid valve 24 VDC; Air connections 1/4 - 18 NPT; Electrical connection: Cable gland M20 x 1.5 blue (plastic); Reference variable 4...20 mA; GOST approval 3767-1; Packed 3767	1	EA.
81	AT351US12	ACTUATOR TYPE SR AT351US12 Type Rack and pinion actuator; Size AT 351; Single, Acting; Fail Open; Minimum air Supply 4.5 barg Air Torque PN: AT351US12	2	EA
82	AT451US12	ACTUATOR TYPE SR AT451US12 Type Rack and pinion actuator; Size AT 451; Single, Acting; Fail Close; Minimum air Supply 4.5 barg. Air Torque PN: AT451US12	2	EA
83	3707206	Type 3730 Electropneumatic Positioner Type 3730-3 with LCD and AUTOTUNE, 4 to 20 mA reference variable, HART communication, 2 software limit switches/1 fault alarm contact; II 2 G Ex ia IIC T6; II 2 D Ex tb IIIC T 80 °C IP 66, ATEX; EXPERTplus diagnostics; Packed; Hardware version device index 01; Software version 1.55 Samson Var ID: 3707206	5	EA
84	1006009	Type 3271 Pneumatic Actuator 30 mm operating travel; Diaphragm area 700 cm²; Diaphragm material NBR; Loading pressure connection NPT thread; Bench range 0.6 to 3.0 bar; Fail-safe action: Actuator stem extends BRAND SAMSON PN/ 1006009	1	EA

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ENERGYPETROL S.A.

Calle José Puerta N39-155 y Av. Eloy Alfaro - Quito - Ecuador
Telf: (593) 2 922-064
E-mail: energypetrol@energypetrol.net

LISTA EQUIPOS

SAMSON MARZ

FECHA: 29/3/2017

DATOS DEL CLIENTE
JOSÉ PUERTA N39-155 Y ELOY ALFARO

TERMINOS COMERCIALES
TIEMPO DE ENTREGA: 2-3 DIAS

REFERENCIA:

ITEM	NUM. PARTE	DESCRIPCION	CANT	UNIDAD
85	1176821	Type 3310 Segmented Ball Valve With flanges, face-to-face dimensions acc. to ISA S75-04 (shortversion); Valve body size 6"; ANSI Class 300; Body cast steel 1.0619 / A216 WCC; Flanges RF - Raised Face acc. to ANSI B16.5; Kvs 1200 / Cv 1400 with 90° opening angle; Equalpercentage characteristic; PTFE soft sealing; Connecting flange acc. to ISO 5211 F12; With feather key notch, shaft 25 mm; Packing V-ring, PTFE-carbon, spring-loaded; Single packing; Bearing for standard temperature range up to +220 °C (up to +430°F) Samson ID 1176821	2	EA
86	1266585	Type 3241 Valve 4"; ANSI Class 150; Body: Cast steel 1.0619 / A 216 WCC; Flanges RF - Raised Face, roughness Ra 3.2...6.3 µm; Kvs 160 / Cv 190; Equal percentage characteristic; Travel 30 mm; Plug with metal sealing; Plug material CrNiMo steel; Seat material 1.4006; Seat metal facing; Packing - PTFE-carbon, spring-loaded; Body gasket: Graphite seal on metal core 1.4401; Connecting diameter 30 mm; Bonnet for body made of C steel Brand Samson Var-ID: 1266585	1	EA
87	1423153	Type 3310 Segmented Ball Valve With flanges, face-to-face dimensions acc. to ISA S75-04 (short version); Valve body size 6"; ANSI Class 150; Body cast steel 1.0619 / A216 WCC; Flanges RF - Raised Face acc. to ANSI B16.5; Kvs 1200 / Cv 1400 with 90° opening angle; Equal percentage characteristic; Metal sealing; Connecting flange acc. to ISO 5211 F10; With square end 22; Packing V-ring, PTFE-carbon, spring-loaded; Single packing; Bearing for standard temperature range up to +220°C (up to +430 °F) Samson Var ID: 1423153 Nota: Válvula de Bola País de origen: Alemania	2	EA
88	0520-0976	Diaphragm EPDM 700 cm Samson P/N: 0520-0976 Nota: Parte de válvula diafragma País de Origen: Alemania	1	EA
89	1606577	Type 4708 Supply Pressure Regulator Type 4708-12 Supply Pressure Regulator; Connection thread 1/4-18 NPT; Set point range 0.5...6.0 bar, with pressure gauge (connection nickel-plated brass); With 1 pressure gauge; Aluminum body; Filter in aluminum receptacle SAMSON P/N: 1606577 Nota: Regulador de Presión País de Origen: Alemania Año de Fabricación: 2010	1	EA
90	1273203	Type 3310 Segmented Ball Valve With flanges, face-to-face dimensions acc. to ISA S75-04 (shortversion); Valve body size 4"; ANSI Class 300; Body cast steel 1.0619 / A216 WCC; Flanges RF - Raised Face acc. to ANSI B16.5; Kvs 600 / Cv 700 with 90° opening angle; Equal percentage characteristic; PTFE soft sealing; Connecting flange acc. to ISO 5211 F12; With feather key notch, shaft 25 mm; Packing V-ring, PTFE-carbon, spring-loaded; Single packing; Bearing for standard temperature range up to +220 °C (up to +430 °F) Samson ID 1273203	1	EA
91	2501466	Type 3710 Reversing Amplifier Aluminum housing; Connecting thread 1/4-18 NPT; Ready for pressure gauge attachment; Degree of protection: IP 65, polyamide filter check valve Samson Var ID: 2501466	2	EA

Aprobado por:	Elaborado por: