



NEW EQUIPMENT AND MATERIAL SALES CATALOGUE

2020

OCENSA

NEW EQUIPMENT AND MATERIAL - SALES CATALOGUE

2020

Ocensa is a Colombian Pipeline company who owns and operates a crude oil pipeline that runs from the Cusiana and Cupiagua fields in the Llanos basin to the port of Coveñas on the Caribbean coast. The 836km pipeline has a capacity of 600,000b/d, accounting for around 60% of total Colombia crude oil production. It was founded in 1994 and it is headquartered in Bogotá, Colombia.

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CONNECTION

Rh(DiPAMP)
catalyst
100%

MeO

AcO

CONTENT

BOOSTER PUMPS	5
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5 BOOSTER PUMPS



1



DESCRIPTION

Brand - Sulzer

API 610 11th ed. - VS6 Vertical centrifugal pump.

Model - SJD 24DLC-18QLC / up to 7 stages

Material Class S-6 – Carbon Steel / Martensitic Stainless Steel.

Rated flow / Differential Head ~ 4200 gpm / 250-1500ft
(Depending on stages quantity)

Brand - GE

API 541 4th ed. - MV electric motor

TEAAC – 3500 HP – 1800rpm 6300V/3PH/60 Hz

Suitable to operate with variable frequency drivers

API 682 2nd ed. – Mechanical seal – John Crane

API 670 5th ed. - Equipment panel with MMS

Includes

Start up and commissioning spare parts

Two year operation spare parts

Dimensions (m)

Pump - 9.40 x 1.35 x 1.01

Motor - 4.30 x 2.70 x 2.70

CAN - 9.10 x 1.21 x 1.21

Unit weight (kg) EA

Pump- 4,090

Motor- 12,500

Can- 1,364



AVAILABILITY

2 (EA)

EEUU - Houston



UNIT PRICE

655,660 USD



7

CENTRIFUGAL PUMPS



2a



Baseplate



Connection Box



Centrifugal Pump



Motor

DESCRIPTION

Brand – Flowserve

API 610 11th ed. - BB2 Horizontal centrifugal pump

Model - 24X29 DVS centrifugal pump

Material Class C-6 – Martensitic Stainless Steel

Rated flow / Differential Head - 23248 gpm / 3118 ft

Brand – GE

API 541 4th ed. - electric motor

TEAAC 6000HP - 6600V/3PH/60Hz - 1800 rpm

Suitable to operate with variable frequency drivers

API 682 2nd ed. – Mechanical seal – John Crane

API 671 4th ed. – Flexible Coupling – Thomas 71 Series

API 670 5th ed. - Equipment panel with MMS

Includes

BN 3500 monitoring system

Start up and commissioning spare parts

Two year operation spare parts

Dimensions (m)

Pump - 3.23 x 2.48 x 2.34

Motor - 4.70 x 2.25 x 3.30

Baseplate - 7.50 x 2.83 x 2.46

Connection box - 1.78 x 1.68 x 1.42

Unit weight (kg) EA

Pump – 14,700

Motor – 14,390

Baseplate – 8,500

Connection box – 810

AVAILABILITY

1 (EA)

Colombia – Terminal de Coveñas

UNIT PRICE

879,187 USD

2b



Baseplate



Connection Box



Centrifugal Pump



Motor

DESCRIPTION

Brand – Flowserve

API 610 11th ed. - BB2 Horizontal centrifugal pump
 Model - 20X30 DVS centrifugal pump
 Material Class C-6 – Martensitic Stainless Steel
 Rated flow / Differential Head - 17150 gpm / 4038 ft

Brand – GE

API 541 4th ed. - electric motor
 TEAAC 6000HP - 6600V/3PH/60Hz - 1800 rpm
 Suitable to operate with variable frequency drivers

API 682 2nd ed. – Mechanical seal – John Crane
 API 671 4th ed. – Flexible Coupling – Thomas 71 Series
 API 670 5th ed. - Equipment panel with MMS

Includes

BN 3500 monitoring system
 Start up and commissioning spare parts
 Two year operation spare parts

Dimensions (m)

Pump - 3.23 x 2.48 x 2.34
 Motor - 4.70 x 2.25 x 3.30
 Baseplate - 7.50 x 2.83 x 2.46
 Connection box - 1.78 x 1.68 x 1.42

Unit weight (kg) EA

Pump – 14,700
 Motor – 14,390
 Baseplate – 8,500
 Connection box – 810

AVAILABILITY

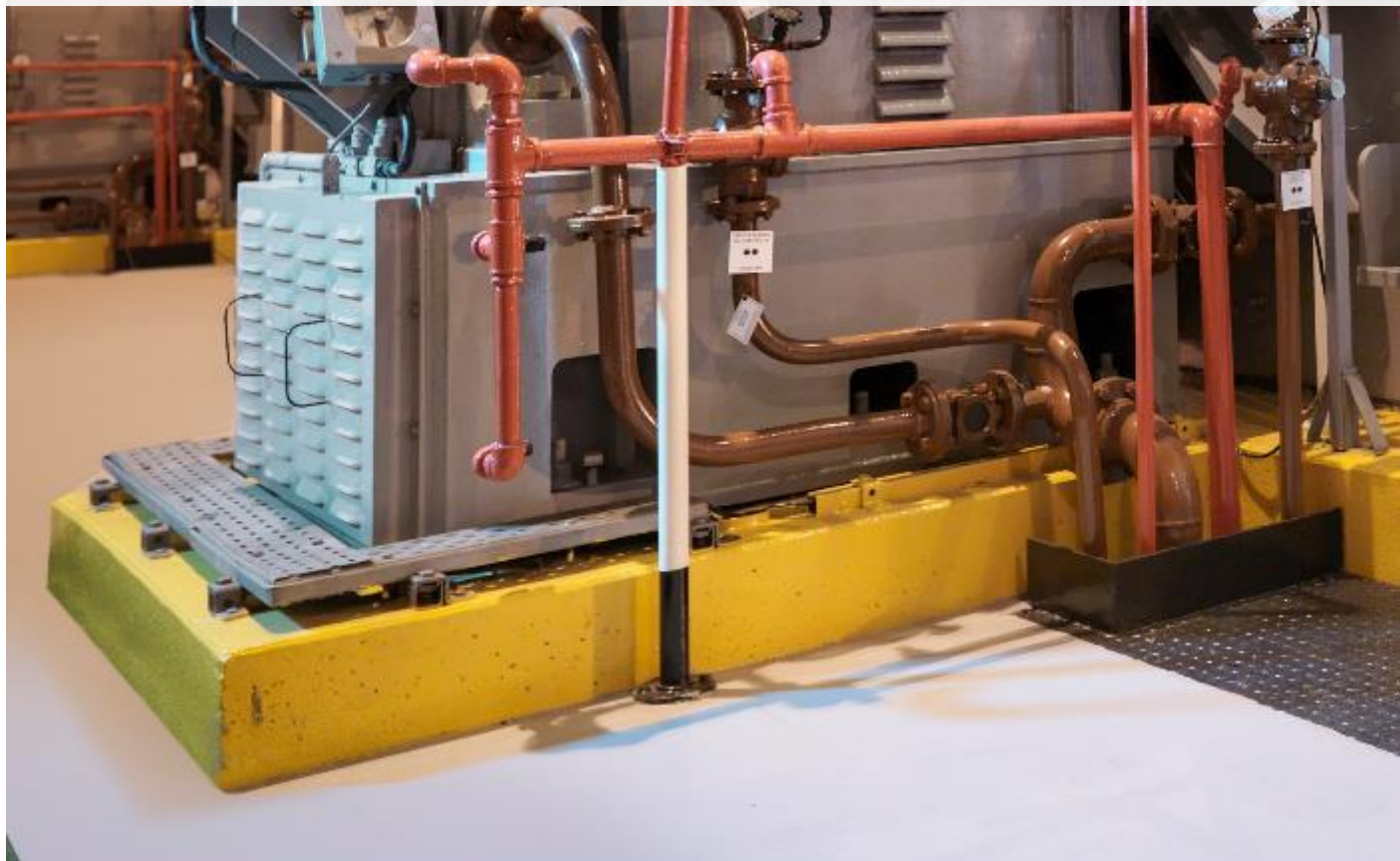
2 (EA)
 Colombia – Terminal de Coveñas

UNIT PRICE

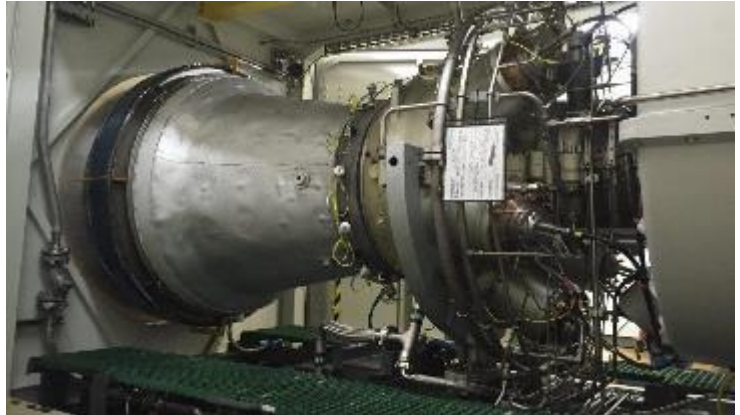
870,394 USD



10 TURBOGENERATORS



3



DESCRIPTION

Single-shaft, industrial gas turbine
Dual (Natural gas & Diesel) -fuel Dry Low Emissions (DLE)
combustion system, meeting stringent legislation

Brand - Siemens (GT)

Power generation: 7.90 MW(e) (ISO zero loss)
Heat rate: 11,773 kJ/kWh (11,158 Btu/kWh)
Model - SGT-300

Brand - HYUNDAI (Gen.)

Electric Generator
Voltage – 6.9 kV
Frequency - 60 Hz

Vibration monitoring system
BN3500

Start system

AC electric motor driven

Dimensions (m)

Generation unit – 13.50 x 2.85 x 5.02

Unit weight (kg) EA

Generation unit – 55,112

AVAILABILITY

2 (EA)
Colombia – Barranquilla, Zona Franca

UNIT PRICE

3,400,000 USD



12

CONTROL VALVES



4



DESCRIPTION

Brand - Fisher c/o Puffer Sweiven

Glove Valve ET, 12", ANSI 600 RF

Actuator – Piston 685

WCC Steel – Body & bonnet Material

Dimensions (m)

2.79 x 1.27 x 1.21

Unit weight (kg) EA

2,350



AVAILABILITY

1 (EA)

Colombia – Sucre, Terminal de Coveñas



UNIT PRICE

110,225 USD

5



DESCRIPTION

Brand - Fisher c/o Puffer Sweiven

Glove Valve ET, 12", ANSI 600 RF

Actuator – 585 C, size 130

WCC Steel – Body & bonnet Material

Dimensions (m)

3.18 x 1.14 x 1.01

Unit weight (kg) EA

157



AVAILABILITY

1 (EA)

Colombia – Sucre, Terminal de Coveñas



UNIT PRICE

73,654 USD

6

**DESCRIPTION****Brand - Fisher c/o Puffer Sweiven**

Pressure Reducing Valve, 1 1/2", 300 RF

WCC Steel – Body & bonnet Material

Dimensions (m)

0.64 x 0.25 x 0.25

Unit weight (kg) EA

79

**AVAILABILITY**

2 (EA)

Colombia – Sucre, Terminal de Coveñas

**UNIT PRICE**

2,143 USD



15

MANUALLY OPERATED VALVES >12"



7



DESCRIPTION

Brand - Walworth

Swing check valve, 20", Class 150# RF, ASME B16.34

API 6D & BS 1868 - Design standard
ASTM A216 Gr. WCB – Body & bonnet Material
API 600 N° 8 – Trim Arrangement

Dimensions (m)

1.50 x 1.83 x 1.22

Unit weight (kg) EA

918



AVAILABILITY

4 (EA)

Colombia – Barranquilla, Zona Franca



UNIT PRICE

4,358 USD

8

**DESCRIPTION****Brand - Walworth**

Swing check valve, 24", Class 150# RF, ASME B16.34

API 6D & BS 1868 - Design standard

ASTM A216 Gr.WCB – Body & bonnet Material

API 600 N° 8 – Trim Arrangement

Dimensions (m)

1.50 x 1.83 x 1.22

Unit weight (kg) EA

1,182

**AVAILABILITY**

4 (EA)

Colombia – Barranquilla, Zona Franca

**UNIT PRICE**

6,117 USD

9

 **DESCRIPTION****Brand - Walworth**

Swing check valve, 30", Class 150# RF, ASME B16.34, Series "B"

API 6D & BS 1868 - Design standard

ASTM A216 Gr.WCB. – Body & bonnet Material

API 600 N° 8 – Trim Arrangement

Dimensions (m)

1.50 x 1.83 x 1.22

Unit weight (kg) EA

4,000

**AVAILABILITY**

6 (EA)

Colombia – Barranquilla, Zona Franca

**UNIT PRICE**

16,461 USD

18

SALES CATALOGUE 2020

10

 DESCRIPTION**Brand - Walworth**

Swing check valve, 20", Class 600# RF, ASME B16.34

API 6D & BS 1868 - Design standard
ASTM A216 Gr.WCB – Body & bonnet Material
API 600 N° 8 – Trim Arrangement

Dimensions (m)

1.50 x 1.83 x 1.22

Unit weight (kg) EA

2,818



AVAILABILITY

6 (EA)

Colombia – Barranquilla, Zona Franca



UNIT PRICE

9,820 USD



11



DESCRIPTION

Brand - Walworth

Pressure Seal globe valve, 3", Class 900# RTJ, ASME B16.34

ASME B16.34 - Design standard
ASTM A216 Gr.WCB – Body & bonnet Material
API 600 N° 8 – Trim Arrangement

Dimensions (m)

1.07 x 1.22 x 0.95

Unit weight (kg) EA

86

AVAILABILITY

2 (EA)

Colombia – Barranquilla, Zona Franca

UNIT PRICE

1,039 USD



12



DESCRIPTION

Brand - Walworth

Pressure Seal globe valve, 4", Class 900# RTJ, ASME B16.34

ASME B16.34 - Design standard
ASTM A216 Gr.WCB – Body & bonnet Material
API 600 N° 8 – Trim Arrangement

Dimensions (m)

1.07 x 1.22 x 0.95

Unit weight (kg) EA

155



AVAILABILITY

8 (EA)

Colombia – Barranquilla, Zona Franca



UNIT PRICE

1,382 USD



13



DESCRIPTION

Brand - Walworth

Gate valve, 12", Class 150# RF, ASME B16.34

API - 600 - Design standard

ASTM A216 Gr.WCB – Body & bonnet Material

API 600 N° 8 – Trim Arrangement

Dimensions (m)

1.50 x 1.83 x 1.22

Unit weight (kg) EA

273

AVAILABILITY

14 (EA)

Colombia – Barranquilla, Zona Franca

UNIT PRICE

1,360 USD



14



DESCRIPTION

Brand - Walworth

Swing check valve Pressure Seal, 24", Class 900# RTJ, ASME B16.34

ASME B16.34 - Design standard
ASTM A216 Gr.WCB – Body & bonnet Material
API 600 N° 8 – Trim Arrangement

Dimensions (m)

1.07 x 1.22 x 0.95

Unit weight (kg) EA

1,182



AVAILABILITY

4 (EA)

Colombia – Barranquilla, Zona Franca



UNIT PRICE

58,407 USD



15

**DESCRIPTION****Brand - Walworth**

Gate valve Pressure Seal, 3", Class 900# RTJ, ASME B16.34

ASME B16.34 - Design standard
ASTM A216 Gr.WCB – Body & bonnet Material
API 600 N° 8 – Trim Arrangement

Dimensions (m)

1.07 x 1.22 x 0.95

Unit weight (kg) EA

82

**AVAILABILITY**

3 (EA)

Colombia – Barranquilla, Zona Franca

**UNIT PRICE**

822 USD



24

SALES CATALOGUE 2020

16



DESCRIPTION

Brand - Walworth

Gate valve Pressure Seal, 4", Class 900# RTJ, ASME B16.34

ASME B16.34 - Design standard
ASTM A216 Gr.WCB – Body & bonnet Material
API 600 N° 8 – Trim Arrangement

Dimensions (m)

1.07 x 1.22 x 0.95

Unit weight (kg) EA

132



AVAILABILITY

2 (EA)

Colombia – Barranquilla, Zona Franca



UNIT PRICE

1,065 USD

17

**DESCRIPTION****Brand - Walworth**

Gate valve Pressure Seal, 8", Class 900# RTJ, ASME B16.34

ASME B16.34 - Design standard
 ASTM A216 Gr.WCB – Body & bonnet Material
 API 600 N° 8 – Trim Arrangement

Dimensions (m)

1.07 x 1.22 x 0.95

Unit weight (kg) EA

591

**AVAILABILITY**

12 (EA)

Colombia – Barranquilla, Zona Franca

**UNIT PRICE**

3,498 USD



18

**DESCRIPTION****Brand - Walworth**

Trunnion mounted ball valve, 20" Reducer Bore 16" DBP, Class 900# RTJ, ASME B16.34

API 6D - Design standard
ASTM A105N – Body & ends material

Dimensions (m)

1.50 x 1.83 x 1.22

Unit weight (kg) EA

4,068

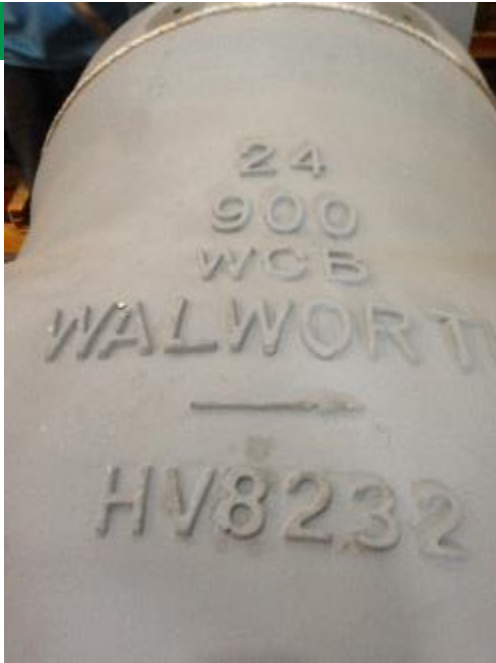
**AVAILABILITY**

1 (EA)
Colombia – Barranquilla, Zona Franca

**UNIT PRICE**

30,171 USD

19

**DESCRIPTION****Brand - Walworth**

Trunnion mounted ball valve, 24" Reducer Bore 20" DBP, Class 900# RTJ, ASME B16.34

API 6D - Design standard

ASTM A105N – Body & ends material

Dimensions (m)

1.50 x 1.83 x 1.22

Unit weight (kg) EA

6,136

**AVAILABILITY**

4 (EA)

Colombia – Barranquilla, Zona Franca

**UNIT PRICE**

42,573 USD



28

SALES CATALOGUE 2020

20



DESCRIPTION

Brand - Walworth

Trunnion mounted ball valve, 20" Reducer Bore 16" DBP, Class 600# RF, ASME B16.34

API 6D - Design standard
ASTM A105N – Body & ends material

Dimensions (m)

1.50 x 1.83 x 1.22

Unit weight (kg) EA

3,273



AVAILABILITY

5 (EA)
Colombia – Barranquilla, Zona Franca



UNIT PRICE

22,078 USD

29

SALES CATALOGUE 2020

21

**DESCRIPTION****Brand - Walworth**

Trunnion mounted ball valve, 24" Reducer Bore 20" DBP, Class 600# RF, ASME B16.34

API 6D - Design standard
ASTM A105N – Body & ends material

Dimensions (m)

1.50 x 1.83 x 1.22

Unit weight (kg) EA

3,273

**AVAILABILITY**

1 (EA)
Colombia – Barranquilla, Zona Franca

**UNIT PRICE**

34,619 USD

22



DESCRIPTION

Brand - Samwoo KJS

Check valve, swing type, 12", API 600

ASTM A216 Gr.WCB. – Body & bonnet Material

API 600 N° 8 – Trim Arrangement

Installation - Horizontal & Vertical

Dimensions (m)

1.48 x 1.10 x 1.65

Unit weight (kg) EA

1,030



AVAILABILITY

4 (EA)

Colombia – Tunja, Base Soraca



UNIT PRICE

22,738 USD

23

**DESCRIPTION****Brand - Samwoo KJS**

Check valve, swing type, 20", API 600

ASTM A216 Gr.WCB. – Body & bonnet Material

API 600 N° 8 – Trim Arrangement

Installation - Horizontal & Vertical

Dimensions (m)

1.48 x 1.00 x 1.70

Unit weight (kg) EA

2,916

**AVAILABILITY**

1 (EA)

Colombia – Tunja, Base Soraca

**UNIT PRICE**

81,749 USD

24



DESCRIPTION

Brand - Samwoo KJS

Check valve, swing type, 30", API 600, ASME B16.47-A

ASTM A216 Gr.WCB. – Body & bonnet Material

API 600 N° 8 – Trim Arrangement

Installation - Horizontal & Vertical

Dimensions (m)

2.48 x 2.20 x 2.65

Unit weight (kg) EA

9,400



AVAILABILITY

8 (EA)

Colombia – Tunja, Base Soraca



UNIT PRICE

210,774 USD

25



DESCRIPTION

Brand - Samwoo KJS

Gate valve, 14", ASME B16.34, Class 150#

ASTM A 536 Gr., 70-50-05 Gear Operator
Trim – Bronze**Dimensions (m)**

1.36 x 1.12 x 2.25

Unit weight (kg) EA

435



AVAILABILITY

11 (EA)

Colombia – Tunja, Base Soraca



UNIT PRICE

4.120 USD





MOTOR OPERATED VALVES

35



26



DESCRIPTION

Brand - Kuka

Motor Operated Valve, Trunnion mounted ball type, 20", Class 150# RF

On/Off Motor Operated Valves
Emerson EIM actuators

Dimensions (m)

1.14 x 1.14 x 2.28

Unit weight (kg) EA

2,285

AVAILABILITY

8 (EA)

Colombia – Barranquilla, Zona Franca

UNIT PRICE

27,408 USD



27



DESCRIPTION

Brand - Kuka

Motor Operated Valve, Trunnion mounted ball type, 24", Class 150# RF

On/Off Motor Operated Valves
Emerson EIM actuators

Dimensions (m)

1.29 x 1.17 x 2.5

Unit weight (kg) EA

3,493

AVAILABILITY

8 (EA)
Colombia – Barranquilla, Zona Franca

UNIT PRICE

37,112 USD



28



DESCRIPTION

Brand - Kuka

Motor Operated Valve, Trunnion mounted ball type, 30", Class 900# RTJ

On/Off Motor Operated Valves
Emerson EIM actuators

Dimensions (m)

2.17 x 1.69 x 3.40

Unit weight (kg) EA

14,530

AVAILABILITY

7 (EA)

Colombia – Barranquilla, Zona Franca

UNIT PRICE

123,483 USD



29



DESCRIPTION

Brand - Kuka

Motor Operated Valve, Trunnion mounted ball type, 30", Class 150# RF

On/Off Motor Operated Valves
Emerson EIM actuators

Dimensions (m)

1.52 x 1.52 x 2.54

Unit weight (kg) EA

6,028



AVAILABILITY

1 (EA)

Colombia – Terminal de Coveñas.



UNIT PRICE

59,963 USD

30



DESCRIPTION

Brand - Kuka

Motor Operated Valve, Trunnion mounted ball type, 20", Class 600# RF

On/Off Motor Operated Valves
Emerson EIM actuators

Dimensions (m)

1.44 x 1.13 x 2.25

Unit weight (kg) EA

2,789



AVAILABILITY

3 (EA)

Colombia – Barranquilla, Zona Franca



UNIT PRICE

37,402 USD

31



DESCRIPTION

Brand - Kuka

Motor Operated Valve, Trunnion mounted ball type, 24", Class 900# RTJ

On/Off Motor Operated Valves
Emerson EIM actuators

Dimensions (m)

1.87 x 1.37 x 2.79

Unit weight (kg) EA

7,212



AVAILABILITY

8 (EA)

Colombia – Barranquilla, Zona Franca



UNIT PRICE

73,505 USD

32



DESCRIPTION

Brand - Walworth

Motor Operated Valve, Gate valve type, 24", ANSI 150 API 600

On/Off Motor Operated Valves
Emerson EIM actuators

Dimensions (m)

1.07 x 3.40 x 1.10

Unit weight (kg) EA

1,024



AVAILABILITY

6 (EA)

Colombia – Tunja, Base Soraca



PRICE

63,621 USD



33



DESCRIPTION

Brand - Walworth

Motor Operated Valve, Gate valve type, 24", ANSI 150 API 600

On/Off Motor Operated Valves

Rotor K actuators

Dimensions (m)

1.07 x 3.40 x 1.10

Unit weight (kg) EA

1,024



AVAILABILITY

2 (EA)

Colombia – Tunja, Base Soraca



UNIT PRICE

63,181 USD





ELECTRICAL ROOM MED / LOW VOLTAGE

44



34

**DESCRIPTION****Brand – Siemens**

IEC – Air Insulated Medium Voltage Switchgear NXAIR 41873

Output Voltage – 6,9 kV

Rated Current – 1250 A

MCC SIEMENS S8

Output Voltage – 480 V

Rated Current – 800 A

IAC – 40 KA/s

Includes

Power equipment center (PEC), Fire Detection System, Access Control System, Air Conditioning System (3 x 6 TRF), Electrical Auxiliary Systems, AC power input & batteries 120VAC, switch-mode power converter & batteries 125 VDC, Electrical Auxiliary Systems.

Dimensions (m)

17.40 x 4.40 x 3.80

**AVAILABILITY**

1 (EA)

Colombia – Córdoba, Estación La granjita

**UNIT PRICE**

317,172 USD



VARIABLE FREQUENCY DRIVERS

46



35

**DESCRIPTION****Brand - Siemens**

Variable Frequency Drivers, Sinamics Perfect Harmony GH180

Output Power - 3500HP/ 2661kW

Output Voltage – 6,9 kV

Output Frequency and Drift – 0.5 to 330 Hz, +/- 0.5%

Cooling - Air Cooled

Rules & Standards - EN, IEC, CE, EAC, CSA, ANSI, UL, NEMA

Motor Type - Asynchronous, Synchronous, Permanent magnet, Wound rotor motors

Supply - Integrated transformer (air-cooled)

Includes

Power equipment center (PEC), Fire Detection System, Access Control System, Air Conditioning System (2 x 20 TRF), Electrical Auxiliary Systems.

Dimensions (m)

11.50 x 4.00 x 4.30

**AVAILABILITY**

1 (EA)

Colombia – Córdoba. Estación La granjita

**UNIT PRICE**

389,545 USD

