OXYGEN VSA SERIES

sysadvance®

INDUSTRIAL

VSA TECHNOLOGY



CARBON FOOTPRINT REDUCTION

PURE EFFICIENCY PROVEN PERFORMANCE

SYSADVANCE VSA's deliver next-generation on-site Oxygen production through advanced Vacuum Swing Adsorption technology.

Available in skid-mounted or containerized configurations, each system combines low energy consumption, high purity, and intelligent automation for reliable, plug-and-play operation anywhere.

Engineered for maximum efficiency and minimal carbon footprint, the **SYSADVANCE** VSA range stands as the ultimate solution for industries demanding clean, continuous, and cost-effective Oxygen generation.

O_2 VSA

EN

VSA TECHNOLOGY

VSA20

- O_2 Purity: 90% | 93%
- O_2 Flow Rate: 22 Sm^3/h (0,79 TPD) | 18 Sm3/h (0,59 TPD)
- System Efficiency: 0,53 kWh/Sm^3 | 0.63 kWh/Sm^3
- Outlet Pressure: up to 8 barg
- Total absorbed power: 11,3 kW
- Power supply: 3PH + N / 380-400V / 50Hz
- Design Code for Pressure Vessels: PED (97/23/EC)
- Design Code for Piping: DIN
- Complete package CE marked
- Standard Assembly type: SKID
- Possible alternative Assembly type: HC20ft container





VSA30

- O_2 Purity: 90% | 93%
- O_2 Flow Rate: 36 Sm^3/h (1,17 TPD) | 30 Sm^3/h (0,98 TPD)
- System Efficiency: 0,53 kWh/Sm^3 | 0.63 kWh/Sm^3
- Outlet Pressure: up to 8 barg
- Total absorbed power: 19,0 kW
- Power supply: 3PH + N / 380-400V / 50Hz
- Design Code for Pressure Vessels: PED (97/23/EC)
- Design Code for Piping: DIN
- Complete package CE marked
- Standard Assembly type: SKID
- Possible alternative Assembly type: HC20ft container

VSA60

- O_2 Purity: 90% | 93%
- O_2 Flow Rate: 72 Sm^3/h (2,34 TPD) | 60 Sm^3/h (1,95 TPD)
- System Efficiency: 0,53 kWh/Sm^3 | 0.63 kWh/Sm^3
- Outlet Pressure: up to 8 barg
- Total absorbed power: 38,0 kW
- Power supply: 3PH + N / 380-400V / 50Hz
- Design Code for Pressure Vessels: PED (97/23/EC)
- Design Code for Piping: DIN
- Complete package CE marked
- Standard Assembly type: SKID
- Possible alternative Assembly type: HC20ft container





VSA90

- O_2 Purity: 90% | 93%
- O_2 Flow Rate: 108 Sm^3/h (3,51 TPD) | 90 Sm^3/h (2,93 TPD)
- System Efficiency: 0,53 kWh/Sm^3 | 0.63 kWh/Sm^3
- Outlet Pressure: up to 8 barg
- Total absorbed power: 57,0 kW
- Power supply: 3PH + N / 380-400V / 50Hz
- Design Code for Pressure Vessels: PED (97/23/EC)
- Design Code for Piping: DIN
- Complete package CE marked
- Standard Assembly type: SKID
- Possible alternative Assembly type: HC40ft container

VSA120

- O_2 Purity: 90% | 93%
- O_2 Flow Rate: 144 Sm^3/h (4,68 TPD) | 120 Sm^3/h (3,90 TPD)
- System Efficiency: 0,53 kWh/Sm^3 | 0.63 kWh/Sm^3)
- Outlet Pressure: up to 8 barg
- Total absorbed power: 76,0 kW
- Power supply: 3PH + N / 380-400V / 50Hz
- Design Code for Pressure Vessels: PED (97/23/EC)
- Design Code for Piping: DIN
- Complete package CE marked
- Standard Assembly type: SKID
- Possible alternative Assembly type: HC40ft container



REFERENCES

PORTUGAL

- Application: Land-based Fishfarming (Turbot & Sole)
- Configuration: 2 x VSA120
- Assembly type: 2 x SKID
- O_2 Purity: 90%
- O_2 Flow Rate: 2 x 144 Sm^3/h (2 x 4,68 TPD)
- Outlet Pressure: up to 8 barg
- System Efficiency: 0,53 kWh/m^3 (0,39 kWh/kg)
- Total absorbed power: 152,0 Kw



CHILE

- Application: Land-based Fishfarming (Salmon)
- Configuration: 3 x VSA30
- Assembly type: 3 x HC20ft container
- O_2 Purity: 93%
- O_2 Flow Rate: 3 x 30 Sm^3/h (3 x 0,98 TPD)
- Outlet Pressure: up to 8 barg
- System Efficiency: 0.63 kWh/m^3 (0,47 kWh/kg)
- Total absorbed power: 57,0 kW



NICARAGUA

- Application: Gold mining (Leaching process)
- Configuration: 2 x VSA120
- Assembly type: 2 x HC40ft container
- O_2 Purity: 93%
- O_2 Flow Rate: 2 x 120 Sm^3/h (2 x 3,90 TPD)
- Outlet Pressure: up to 8 barg
- System Efficiency: 0.63 kWh/m^3 (0,47 kWh/kg)
- Total absorbed power: 152,0 kW



SPAIN

- Application: Land-based Fishfarming (Trout)
- Configuration: 2 x VSA90
- Assembly type: 2 x SKID
- O_2 Purity: 90%
- O_2 Flow Rate: 2 x 108 Sm^3/h (2 x 3,51 TPD)
- Outlet Pressure: up to 0,5 barg
- System Efficiency: 0,40 kWh/m^3 (0,295 kWh/kg)
- Total absorbed power: 114,0 kW



ITALY

- Application: Land-based Fishfarming (Trout)
- Configuration: VSA30
- Assembly type: HC20ft container
- O_2 Purity: 93%
- O_2 Flow Rate: 30 Sm^3/h (0,98 TPD)
- Outlet Pressure: up to 8 barg
- System Efficiency: 0,63 kWh/m^3 (0,47 kWh/kg)
- Total absorbed power: 19,0 kW



NEW MODELS COMMING SOON!

DIPTC_O2 VSA_V01_JAN2026_EN

SMART OXYGEN PRODUCTION WITH A GREEN FOOTPRINT

THE LOWEST ENERGY CONSUMPTION IN ITS CLASS: FROM 0,295KWh/Kg<

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