



OYRSA

OYRSA GNC

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NATURAL GAS COMPRESSOR WITH AIR COOLER

The OYRSA CCOHM-3/4 compressor has opposed horizontal cylinders with adjustable first and second stage compression chambers and dry compression pistons. The only requirements for its operation are a gas input and output connection, 380V power supply and control cabling.

Designed for automatic and continuous duty, this compressor complies with standards currently applicable in Argentina. It is delivered on a thick and

sound structural steel chassis, with a standard size to facilitate transportation.

The OYRSA CCOHM-3/4 compressor is made of opposed horizontal compression tandems. The electrical motor has a three-phase 380V power supply and an electronic starter system. It is equipped with certified valves, parts and accessories manufactured by well-known companies that comply with relevant standards and requirements.

EQUIPMENT NAME:
OYRSA CCOHM-3/4 CNG Compressor

TECHNICAL FEATURES:

- Opposed horizontal arrangement with adjustable compression chambers.
- Number of stages: 3/4.
- Compressed gas output pressure: 250 kg/cm².
- Suction pressure: 4.5/25 kg/cm².
- Variable capacity: 600-1200 m³/h.
- Rotation: 800/1480 RPM.
- Oil free, dry pistons.
- Single gas input.
- Air-gas forced cooling system between stages (air cooler and upper horizontal tube heat exchanger).
- Forced lubrication system with three-phase electric pump.
- Automatic depressurization via the stabilizer tank.
- Suction pressure stabilizer tank.
- Control panel incorporated into the chassis, including:
- Oil pressure meter

- Powered by:
- Flameproof motor Class 1 Division 1 Group II
- Three-phase 380V AC -150 HP/200 HP
- 1480 RPM
- Class F insulation
- Electric and electronic flameproof installation, adequate for Class 1 Division 1 Group II dangerous areas.

SAFETY

- Equipped with corresponding safety pressostats and thermo stats.
- Dual cut-off system: safety and operational.
- Safety cut-off valves for each stage, and one cut-off valve in the stabilizer tank
- Compliant with applicable standards pursuant to Annex II of ENARGAS (National Gas Regulatory Agency) Resolution Ne 138: NAG 441 (90)

NAME CODES - OYRSA CCOHM COMPRESSORS: Methane opposed horizontal cylinder compressor (Compresor Cilindros Opuestos Horizontales Metano)

OYRSA ALFA 2001 CNG PUMP

DESCRIPTION:

Resistant and sound steel structural frame.
AISI 316 stainless steel sheet cabinet, with two digital gauges in the top front part.
Cast aluminum nozzle and hose holder.
Independently certified stainless steel tubes, valves and parts of the supply channels.
Cutting edge electronic mass flow meters.
Electric and electronic parts lodged in OYR flameproof casing.

TECHNICAL FEATURES:

- Brand name: OYRSA
- Model: ALFA 2001
- Identification: OYRSA ALFA 2001
- Voltage: 220 Vca + PTA
- Working pressure: 250 bar Max.
- Gas input: 1A" NPT
- Discharge hoses: 2
- Flow channels: 1
- Power supply: V2" BSPT
- Displays: 2
- Temperature: -10SC/ +40fC
- Finish: (AISI 316, 2 mm) Stainless steel sheet (0.18 mm) black DD sheet
- Width: 430 mm
- Length: 650 mm
- Height: 2000 mm

INSTALLATION AND CONNECTIONS:

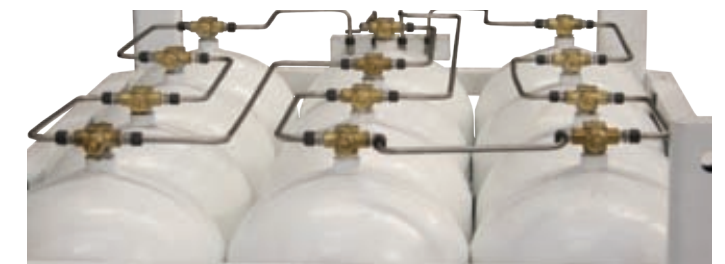
- CNG input to pump: 1 (AISI 316) 0 3/8" stainless steel tube.
- CNG output from pump: 2 hoses with 0 12.5mm stainless steel nozzles.
- Power supply: 220V - 5 Amp.

OPTIONAL:

- Connection to computerized system
- Services cabinet
- Stainless steel sink
- Water faucet
- Basket carrier
- Flask tray

STORAGE

Structural basket fit for lifting.
Capacity: 1,250 liters.
Safety valve.
Stainless steel interconnections.
Pressure gauge.
1" NPT output connector.
Spherical output tube.
Independent cylinder excess pressure fuse valve.



- Gas input pressure
- Pressure between stages
- Temperature between stages
- Discharge pressure
- Discharge temperature
- Starter and stopping system
- The panel has intrinsic safety features

- No peripheral or external systems.
- Single compact structural chassis.
- Electric panel made up of configurable PLC with the following features:

- Motor protection against excess discharge, phase absence or low voltage
- Electronic microprocessor control
- Starter and stopping control
- Control for smooth start mode
- Duty hour meter
- Luminous and sound signals



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