

MIXER Syntair

Syntair is a synthetic Air mixer. **Syntair** is used to produce pure 22%/78% O₂/N₂ mixture onsite from liquid Oxygen and Nitrogen.



Syntair 22/78 - 200 m³/h

Performance

- **SYNTAIR** may be used to create a constant Oxygen content mixture with adjustable flow rates up to 200 m³/h.
- Automatic analyser calibration.
- Built-in alarm system with the possibility of alarm redirection to a Central Technical Control Device.
- **MODBUS** connection for remote pressure and mixture concentration monitoring.
- Silent operation.

High degree of safety

No risk of hydrocarbon pollution.
Double verification of Air mixture concentration.
Automatic switch over to emergency medical Air system in case of significant variation in mixture content.
Does not contain substances likely to give off toxic gases in case of fire.

Simplified use and maintenance

Quarterly functional verification with zero calibration of the 2 analysers.
Preventive maintenance every 5 years (or after every 150,000 injections).

Features

Max. pressure: 200 m³/h.
Output pressure: 8.2 - 8.8 bar.
O₂ concentration: 22% ± 0.5%.
O₂ and N₂ supply pressure: 15 bar.
Power supply: single phase 85 to 264 V~ / 47 to 63 Hz.
Power: 400 VA.
Electric class: class I.
Dimensions: 1,500 mm (H) x 850 mm (L) x 500 mm (W).
Weight: 210 kg.
Operating temperature: + 5°C to + 40°C.
Operating relative humidity: 30% to 75%.
Storage temperature: - 20°C to + 60°C.
Storage relative humidity: 10% to 95% (non-condensed).
CE 0120.

Spare parts

See maintenance manual YM026200.

Disassembly, assembly and maintenance should be performed by technicians trained according to procedures described in the maintenance manual.
Use only genuine spare parts.

references

Reference	Designation
LA000700	SYNTAIR 22/78 200 m ³ /h



Installation

A complete installation has the following components:

- 1 liquid O₂ supply source equipped with an evaporator and a heater.
- 1 liquid N₂ supply source equipped with an evaporator and a heater.
- 1 **SYNTAIR**.
- 1 O₂/N₂ mixture buffer capacity (4,000 l) placed upstream from the medical Air supply network with a safety valve.
- 1 22%/78% medical Air source from cylinders with 7 bar max. pressure reduction and autonomy monitoring.
- 1 valve (G3).
- 2 emergency electrovalves (YCE1 and YCE2).
- 1 non-return valve.

For a full description of installation recommendations see manual YM026100.

