



GOODBYE, OXYGEN BOTTLE



OXYFLY – The on-board oxygen
generator for unpressurized aircraft





"I found it very pleasant, that the compressed oxygen supplied by OXYFLY has a higher temperature and humidity than bottle oxygen. No scratchy throat, no cold syndrome, no problems like slight dizziness, tiredness and poor concentration. In my opinion, OXYFLY makes flying safer and enlarges your comfort zone."

Thomas Büchele, pilot

Faster, higher, easier

Release yourself from the hassle of oxygen management

The days of purchasing, refilling, storing, calculating or even running out of oxygen are over: OXYFLY provides up to 6 passengers with a constant supply of oxygen. Forget about moving heavy oxygen bottles around. OXYFLY is the easy, cost effective solution for your aircraft. Your passengers will love it, too.

How does OXYFLY work?

An oil-free compressor presses air into an oxygen module that increases the oxygen concentration to as much as 95%. This enables planes without pressurized cabins to fly up to an altitude of 5,500 meters (18,000 ft).

Via hose-sets with nasal cannulas, the aircraft occupants breathe pleasantly preheated pure oxygen. The oxygen flow is adjusted automatically depending on the altitude. 100% convenience: eat, drink and speak freely.

Comparison between OXYFLY and O₂ bottles

Oxygen cylinder size in cf	Number of persons using oxygen	Flight altitude in ft	Possible use time of the cylinder in hours	Possible use time of OXYFLY in hours
6	2	18,000	0,8	3,000
22	6	16,000	1,2	3,000

Application fields:

- Cargo planes
- Passenger planes
- Airplanes for skydiving
- Motor vehicles operating in high altitude areas
- Geophysical exploration
- Photo mapping
- Border and maritime patrol

5 years of experience – our references:

- BEECHCRAFT Baron, Bonanza, King Air 90
- BOEING 767-400
- CESSNA Grand Caravan
- PILATUS PC-6
- VULCANAIR A-Viator, P68-C

No oxygen management because no oxygen bottles have to be bought, filled, stored or transported; stopovers for refilling oxygen bottles are a thing of the past

Achieve more comfort due to preheated air and optimized O₂ moisture

Unlimited and continuous O₂ supply; with OXYFLY, oxygen is produced freshly on board and serves you as long as your aircraft has power



Technical data

Type	OXYFLY Light	OXYFLY EcoLight	OXYFLY Pro	OXYFLY EcoPro
Oxygen concentration	up to 95%	up to 95%	up to 95%	up to 95%
Flowrate at 90% concentration	4-6 l/min	3-5 l/min	4-6 l/min	3-5 l/min
Number of users at 18,000 ft	max. 6 persons	max. 4 persons	max. 6 persons	max. 4 persons
Nominal voltage	28 V	28 V	28 V	28 V
Nominal current	10-24 A	7-15 A	10-24 A	7-15 A
Weight	23 kg	23 kg	25 kg	25 kg
Dimensions (L x W x H)	490 x 230 x 430 mm	490 x 230 x 430 mm	490 x 230 x 430 mm	490 x 230 x 430 mm
General Qualifications	X	X	X	X
Special Qualifications	—	—	X	X

Environmental Qualifications

General Qualifications

- DIN EN 1012-1:2011-02
- DIN EN 60034-1:2011-02
- DIN EN 60034-5:2007-09
- DIN EN 60335-1:2010-11
- DIN EN 60204-1:2007-06
- DIN EN ISO 12100:2011-03
- DIN EN 61000-6-2:2006-03
- DIN EN 61000-6-3:2011-09
- ISO 10993-5:2009

Special Qualifications

- RTCA/DO-160G Section 15 CAT A
- RTCA/DO-160G Section 16.6.1.1 / 16.6.1.2 / 16.6.1.3. / 16.6.1.4 / 16.6.1.5 CAT BRI
- RTCA/DO-160G Section 16.6.2.1 / 16.6.2.2 / 16.6.2.3 CAT BRI
- RTCA/DO-160G Section 16.7.5 CAT BRI
- RTCA/DO-160G Section 16.7.7 CAT BRI
- RTCA/DO-160G Section 17 CAT A
- RTCA/DO-160G Section 19.3.1 / 19.3.2 / 19.3.3 / 19.3.4 / 19.3.5 CAT ZC
- RTCA/DO-160G Section 20.4 / 20.5 CAT T
- RTCA/DO-160G Section 25 CAT A

Accessory set

Variety of extensions

- Pulse oximeter
- Flowmeter
- Nasal cannula
- Power cord



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