DELTA P BY ECE MEDICAL

PLUG AND PLAY SYSTEMS WITH O2 OXGEN CONCENTRATOR



CE 0051

ECE MEDICAL

ECE Healthcare · Ohio Medical · THERAPY EQUIPMENT · Aktiv

GENERAL DESCRIPTION

Plug and play systems with O2 concentrator manufactured by DELTA P are designed to be used as a source of 93% oxygen within healthcare facilities.
The system has the following main components:

1. 1 lubricated screw compressor
2. 1 refrigeration dryer
3. 1 activated carbon column
4. 1 oil separator filter
5. 1 particulate filter
6. 1 air tank certified in accordance with the Pressure Equipment Directive (PED) 2014/68/EU, complete with pressure gauge, safety valve, condensate drain and process connection kit
7. 1 oxygen concentrator with the following features:
    - 1 oxygen pressure transducer
    - 1 air pressure transducer
    - 1 source oxygen analyser
    - 1 unit oxygen analyser
    - 1 CO analyser
    - 1 shut-off solenoid valve
8. 1 oxygen tank certified and suitable for oxygen use in accordance with Directive (PED) 2014/68/EU, complete with pressure gauge, safety valve, condensate drain, Vitroflex coating and process connection kit
9. Valves, fittings and connecting pipes necessary for connecting the equipment
10. Monitoring and alarm systems compliant with ISO 7396-1:2016 requirements

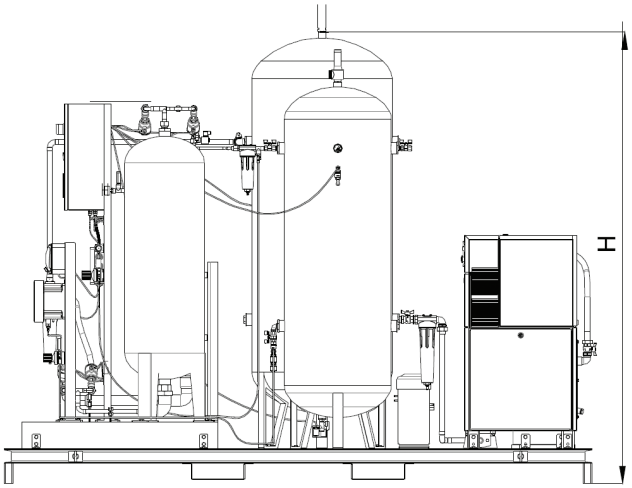
The entire system is delivered pre-assembled and pre-tested on skid, ready for use.
Plug-and-play systems with O2 concentrators manufactured by DELTA P have the following characteristics:

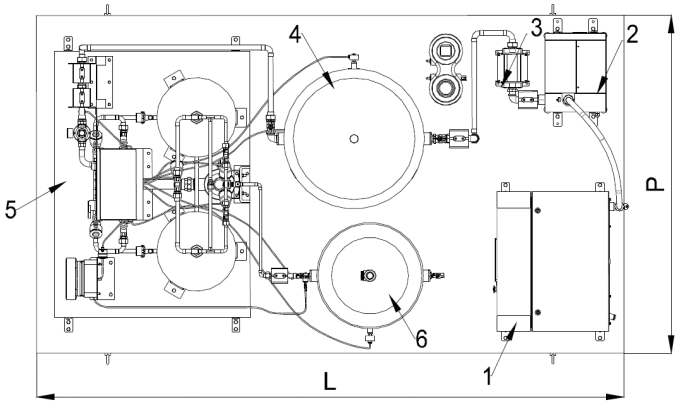
- CE marked as medical devices
- CE PED marked in accordance with 2014/68/EU
- Compliant with the requirements of ISO 7396-1:2016
- Oxygen 93 produced in accordance with the requirements of the European Pharmacopoeia

SPECIFICATIONS

PROCESS GAS	93% Oxygen
NOMINAL FLOW RATE	see Table 1
MAXIMUM OUTLET PRESSURE	4-7 bar (adjustable)
OUTPUT CONNECTION	welded fitting for Ø16 mm copper pipe
POWER SUPPLY	400 V/3 ph/50 Hz: COMPRESSOR 220V/1 ph/50 Hz: DRYER, O2 CONCENTRATOR, CONDENSATE DRAIN
***ADDITIONAL POWER SUPPLIES ARE AVAILABLE ON REQUEST**	
DIMENSIONS (LXWXH)	see Table 1
REFERENCE STANDARDS	ISO 7396-1:2016; Dir 2014/68/EU; CE marked medical device in accordance with European Regulation (EU) 2017/745 (MDR)

DRAWINGS AND TABLES





NO.	DESCRIPTION
1	COMPRESSOR
2	DRYER
3	ACTIVATED CARBON COLUMN
4	AIR TANK
5	O_2 CONCENTRATOR
6	O_2 93 TANK

TABLE 1

CODE	O_2 93 NOMINAL FLOW RATE	TOTAL POWER CONSUMPTION	DIMENSIONS (LXPXH)
82001-3000	1,2 Nm³/h	4,5 Kw	2550 x 1700 x 2300 mm
82002-3000	2,4 Nm³/h	8 Kw	2650 x 1700 x 2300 mm
82003-3000	3,5 Nm³/h	12 Kw	2650 x 1700 x 2500 mm
82004-3000	4,7 Nm³/h	16 Kw	3000 x 1700 x 2500 mm
82006-3000	7,0 Nm³/h	20 Kw	3300 x 2900 x 2800 mm
82009-3000	10,5 Nm³/h	31 Kw	3500 x 2000 x 2800 mm
82012-3000	13,9 Nm³/h	41 Kw	4200 x 2200 x 2800 mm

NOTE: This drawing shows a typical basic configuration.
The dimensions and layout can be modified upon customer request.

PRODUCT CODES	
82001-3000	PLUG AND PLAY SYSTEM WITH O2 OXGEN CONCENTRATOR 1.2 QT
82002-3000	PLUG AND PLAY SYSTEM WITH O2 OXGEN CONCENTRATOR 2.4 QT
82003-3000	PLUG AND PLAY SYSTEM WITH O2 OXGEN CONCENTRATOR 3.5 QT
82004-3000	PLUG AND PLAY SYSTEM WITH O2 OXGEN CONCENTRATOR 4.7 QT
82006-3000	PLUG AND PLAY SYSTEM WITH O2 OXGEN CONCENTRATOR 7.0 QT
82009-3000	PLUG AND PLAY SYSTEM WITH O2 OXGEN CONCENTRATOR 10.5 QT
82012-3000	PLUG AND PLAY SYSTEM WITH O2 OXGEN CONCENTRATOR 13.9 QT

DELTAP BY GCE MEDICAL

www.gce-medical.com
www.deltap.it

Art. Nr. 735100002083 Alterations are subject to change without notice. 301225kk © 2025.