

ROMEDCOM SRL

Date : 17.2.2023

Phone : +373 61 030 035
Fax :
E-mail : romedcom@gmail.com

PLUG & PLAY CONTAINERIZED IDEAL IM-GO 120 OXYGEN GENERATOR SYSTEM



** An example drawing of the offered system*

11,5 Nm³/h
Oxygen Gas Production Capacity

93 %
Oxygen Gas Purity

5-6 barg
Oxygen Gas Outlet Pressure

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No	Details	Qty
	DALGAKIRAN INVERSYS 22 PLUS VARIABLE SPEED DIRECT DRIVE SCREW AIR COMPRESSOR (MADE IN TURKEY)	
1	Capacity : 1,30-3,80 m3/min Pressure : 10 barg Motor power : 22 kW Connection : 1 " Weight : 500 kg Dimensions (L x W x H) : 1275 x 850 x 1465 mm Power supply : 380-400V/50Hz/3Faz Sound press level : 70 dB(A) Electric motor eff. : IE3 Insulation class : F Class Motor protection : IP 55	1,00
	IDEAL CKL 018B WATER SEPARATOR (MADE IN EU)	
2	Operating Pressure : 16 bar Capacity : 365 Nm3/h Connections : 1 " Operating Temp. : 1,5-65 °C High efficient removal of bulk liquids from compressed air systems Centrifugal, with automatic drain unit.	1,00
	IDEAL AF0306M FILTER 0,1 MICRON (MADE IN EU)	
3	450% greater nano-filter area! Capacity : 335 Nm3/h Pipe Connection : 1 " Particle Removal : 0,1 micron Clogging indicator is included.	1,00
	FRIULAIR AMD 52 REFRIGERANT AIR DRYER (MADE IN ITALY)	
4	Capacity : 312 Nm3/h Pipe Connection : 1 1/4" Refrigerant Gas : R407C Max. Operating Pressure : 16 barg Max. Inlet Air Temperature : 55 °C	1,00

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Power Supply : 230V/1Ph/50Hz
Dimensions : 345 x 445 x 740 mm
Weight : 41 kg
Pressure Dew Point : +3C
Automatic, %80 Energy Saving
Automatic Adjustment of Gas during seasonal weather change

IDEAL ICT 250 ACTIVATED CARBON TOWER
(MADE IN EU)

5 **Capacity** : 250 Nm³/h 1,00
Residual oil vapour content : <0.003 mg/m³
Pipe Connection : 1"
Oil content indicator is included.

IDEAL AF0306P FILTER 3 MICRON
(MADE IN EU)

6 **Capacity** : 335 Nm³/h 1,00
Pipe Connection : 1 "
Max. Oil Vapour Removal : 3 mg/m³
Particle Removal : 3 micron
Max. Operating Pressure : 16 barg
Clogging indicator is included.

AIR TANK, 500L, 11 BARG (GALVANIZED)
(MADE IN TURKEY)

7 **Volume** : 500 L 1,00
Max. Oprt. Pressure : 11 barg
Pipe Connection : 1 1/4 "
Weight : 150 kg
Wall Thickness : 4 mm
Diameter : 600 mm
Height : 2100 mm
Pressure Gauge, Relief Valve and Inlet-Outlet Valves are included.

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IDEAL TD 16M/S TIMER CONTROLLED CONDENSATE DRAIN

(MADE IN EU)

8	Operating Pressure	: 0-16 bar	
	Operating Temp.	: 1,5-65 °C	
	Drain Capacity	: 150 l/h	1,00
	Inlet Connection	: 1/2 "	
	Outlet Connection	: 1/4"	
	Dimensions	: 77 x 79 x 93 mm	
	Power Supply	: 230 V ± 10%	
	Strainer is included.		

IDEAL AF0306S FILTER 0,01 MICRON

(MADE IN EU)

450% greater nano-filter area!

9	Capacity	: 335 Nm3/h	1,00
	Pipe Connection	: 1"	
	Particle Removal	: 0,01 micron	
	Max Oil Carryover	: 0,01 mg/m3	
	Clogging indicator is included.		

WALKER A30085MS MEDICAL STERILE FILTER

(MADE IN UK)

Capacity : 144 Nm3/h @ 7 barg

Pipe Connection : 3/4"

100% integrity tested, Walker Medical Sterile elements are guaranteed for a minimum of 100 sterilizations at 248°F (120°C), ensuring your compressed air is free from live bacteria and other submicron particles.

Tested and validated in accordance with NFPA 99, HTM 02-01, ISO 7396-1, and AS 2896.

10	*DOP efficiency >99.9999%		1,00
	*AISI 316 Stainless steel filter element.		
	*With pollution indicator and manual drainage.		

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IDEAL IM-GO 120 OXYGEN GENERATOR

(MADE IN TURKEY)

Capacity : 11,5 Nm³/h

Purity : % 93,0 ± 3

O₂ Pressure : 5-6 barg

Power Supply : 0,1 kWh - 230VAC, 50Hz, Monophase

Noise Level : 55 max 85 dB(A)

Dimension : 850 x 1600 x 2200 mm

Weight : 1.130 Kgs

- O₂ Generator Absorber Vessel Volume is 2 x 270 L
- Generator Absorber Vessel Thickness is 8 mm
- Absorber Chemical is Zeolite
- Our Zeolite is 100% Original German Made
- Zeolite amount is 362 kg in the Absorber Vessels

- 11
- Zeolite has 60.000 hours of Operation Lifetime 1,00
 - AISI316L stainless steel process valves mounted O₂ generators
 - Zirconia Oxygen Sensor & Analyser

Siemens Colored LCD 7" Touchscreen Control Panel in Turkish / English

Oxygen delivery kit (Pressure regulator and needle valve)

Pressure regulator at compressed air inlet

Required Compressed Air: 138,43 m³/h @ min 7,5 barg

Modbus/Profinet/Remote Control

Dew Point Sensor at Compressed Air Inlet

Temperature sensor at air inlet is included

Oxygen outlet pressure sensor is included

Digital Oxygen Flowmeter is included

Data logging is included

Auto purity system is included

UPS is included

OXYGEN TANK, 500L, 11 BARG (INOX 304)

(MADE IN TURKEY)

Volume : 500 L

Max. Oprt. Pressure : 11 barg

Pipe Connection : 1 1/4 "

- 12
- Weight : 150 kg 1,00

Wall Thickness : 4 mm

Diameter : 600 mm

Height : 2100 mm

Pressure Gauge, Relief Valve and Inlet-Outlet Valves are included.

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IDEAL AF0076P FILTER 3 MICRON

(MADE IN EU)

13	Capacity	: 78 Nm ³ /h	
	Pipe Connection	: 1/2 "	
	Max. Oil Vapour Removal	: 3 mg/m ³	1,00
	Particle Removal	: 3 micron	
	Max. Operating Pressure	: 16 barg	
	Clogging indicator is included.		

WALKER A30050MS MEDICAL STERILE FILTER

(MADE IN UK)

14	Capacity	: 85 Nm ³ /h @ 7 barg	
	Pipe Connection	: 1/2"	
	100% integrity tested, Walker Medical Sterile elements are guaranteed for a minimum of 100 sterilizations at 248°F (120°C), ensuring your compressed air is free from live bacteria and other submicron particles.		
	Tested and validated in accordance with NFPA 99, HTM 02-01, ISO 7396-1, and AS 2896.		
	*AISI 316 Stainless steel filter element.		
	*With pollution indicator and manual drainage.		

AUTO CHANGE OVER SYSTEM (CONNECTION BOX)

(MADE IN TURKEY)

15			1,00
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IDEAL 2X2 RAMP WITH SPARE CYLINDERS

(MADE IN TURKEY)

(to be installed at the centralized oxygen network)

16	Total flow	: 30 m ³ /h		
	Bottle location	: 2 x 2		
	<ul style="list-style-type: none">• The ramp with the spare cylinders to be mounted installed in a box• Automatic collector change panel is included• The ramp with spare cylinders, which in the event of a pressure drop in the hospital's oxygen system, will automatically open the supply of oxygen from the cylinders			1,00
	<ul style="list-style-type: none">• High pressure connection ramp with return valve (4 cylinders)• Connecting the ramps to the reduction system-2 units• Protective fixing system for 4 cylinders• Standard: HTM 02-01 / ISO 7396-1• ISO 21969 / DIN EN 477-1 standard for flexible high pressure connections through which oxygen cylinders are connected to the ramp• 4 pcs Oxygen Cylinders (40 L) are included.			

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MAIN POWER PANEL

(MADE IN TURKEY)

- 17 Thermal switches, contactors, HRC fuse and cables for air compressor, air dryer, auto-drain units, Oxygen generator and instruments are mounted on the main control panel. 1,00

HEAVY DUTY, SPECIAL INSULATED, HIGH CUBE 20 ft ISO CONTAINER

(MADE IN TURKEY)

- Exhaust & suction ducts, two main doors, one emergency exit door, air conditioner, interior lightning, emergency interior lightning, main power distribution cabinet, all cabling and piping, outdoor lightning system, ambient oxygen sensor are included.
 - All equipments will be connected each other and tested at Ideal Makina workshop in İstanbul.
- 18 • There will be High Cube 20 ft ISO locked, heavy duty, heat and noise insulated container where all equipments will be assembled in. 1,00
- The main power distribution panel with all required thermal switches will be installed in container.
 - The mechanical and electrical connections will be tested before delivery.
 - FAT (Factory Acceptance Test) will be done and reported by Ideal Makina Technical Service Team.
 - No installation on-site, No leakage possibility, Easy commissioning on-site, PLUG & PLAY.

INSTALLATION MATERIALS AND TRAINING

All Connections Pipes, Valves, Fittings Materials Will Be Connected.

- 19 Operator Training can be held in İstanbul depending on the buyer's choice. In this case, Operator Flight Ticket and Accommodation expenses will be covered by the buyer. Another option for operator training is to train Technicians via Video Teleconference (VTC) or other form of Teleconference. 1,00

TOTAL FOR **24 UNITS**

PLUG&PLAY, CONTAINERIZED IM-GO 120 OXYGEN GENERATOR SYSTEMS :

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The offered Ideal IM-GO 120 Oxygen Generator System will be installed in Heavy Duty, Special Insulated, High Cube 20 ft ISO Container as like in the photo.

idealMakina®
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