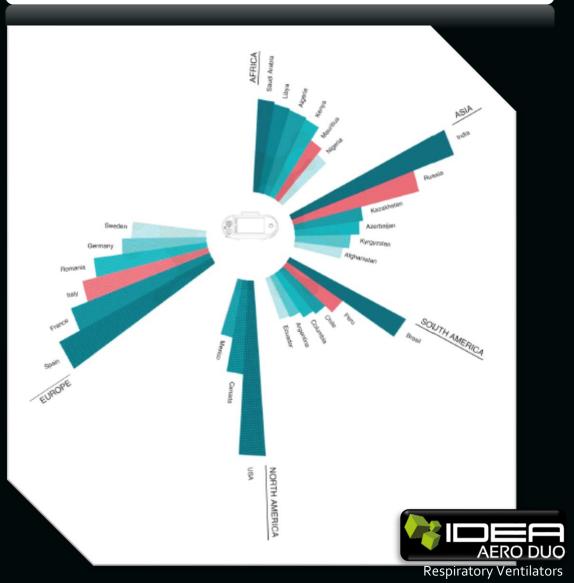






Fully-featured, hig-performance ventilation with modern Invasive and Non-invasive ventilation modes







# Made In Türkiye

#### AERO DUO HIGH LEVEL INTENSIVE CARE MECHANICAL VENTILATOR OF TURKEY

#### DESIGNED AND PRODUCED FOR INTENSIVE CARE AND REANIMATION UNITS.

- · Modern and ergonomic lines.
- User-friendly interface.
- Perfect performance.
- · Traditional and innovative operating modes.
- · Compatible with pediatric and adult patients.
- Low cost and maintenance.

# **IDEAAERO DUO**



IDEA Aero is produced in TURKEY by Alpress with the support of biomedical engineers and ICU experienced medical doctors Aero is the result of 17 years high technology machines manufacturing experience.





**Respiratory Ventilators** 



#### Monitoring Functions

- Real time FiO2 monitoring
- · Volume, Flow and Pressure waveform graphics
- Leakage monitoring and compansation
- Up to 8 hours battery life
- · Wifi support for online monitoring
- · Peep Level monitoring
- Pleteau reading

#### Key Features

- · Non-invasive ventilation in all modes
- · 2-30 l/min %100 O2 Therapy without time limit
- · Full record of all ventilation data
- · Easy to use features with low-learning curve
- APRV Ventilation mode

#### Advanced Safety

- · Deatachable exhalation valve for avoid cross-contamination
- · 4 flow sensor for advanced accuracy
- · Spontaneus brath triggering with pressure and flow sensors
- · 30 2500ml tidal volume for every patient needs
- · Intelligent alarms for maximum patient safety
- · Auto calibration and diagnostic for stability
- Up to 8 hours battery life

Up to 8 hours battery life



Respiratory Ventilators





Advanced Adaptive Control

Aero works both in traditional and innovative modes.



Pressure Controlled Volume Controlled Ventilation Ventilation VC-CMV PC-CMV · VC-SIMV · VC-AC PC-SIMV · PC-AC PC-APRV PV-PSV

Support of Spontaneous Breathing SPN-CPAP
 SPN-BILEVEL CPAP

Pediatric and Adult 0 പ 1. Alarm limits 0 10 6 5. Battery level 6. Date & Time 0 0 12. Volume wavefrom 0 0

2. Active ventilation mode 3. Realtime respiratory values 4. Message and status bar 7. Alarm silent button 8. Sub-menu buttons 9. Fast ventilation values see / modify area 10. Pressure waveform 11. Flow wavefrom

Adaptive Control

Aero uses advanced adaptive control algorithms.







**Respiratory Ventilators** 





#### International Standart Flanges

Esay connect air and oxygen flanges doesn't require any tools and fits any wall plug connections.

coary connect an and oxygen hanges doesn't require any tools and fits any wall plug connections.



Removable and Autoclavable Patient Circuit Conections

For avoiding cross-contamination of patients Aero duo circuit connections removable and disinfectable.

patients Aero duo circuit connection removable and disinfectable.



#### High Resolution Touch Screen

- 10.1 inch high resolution lcd touch screen of IDEA duo presents clear and highly visible graphics and respiratory values from any view angle.
- Also monitor can be rotate up to users position.

from any view angle. Also monitor can be rotate up to users position.



Rotary Button for Easy Adjutment

High sensitivity and robust rotary buton provides accurate adjustment of all values of respiration modes. Also push buton feature makes confirmation easy.

accurate adjustment of all values of respiration modes. Also push buton feature makes confirmation easy.





**Respiratory Ventilators** 









#### **Technical Features of Aero**

Types of Patients:	1	Modes of Ventil	ation
Padiatric and Adult			
	· VC-CMV	· PC-CMV	SPN-CPAP
•	· VC-SIMV	· PC-SIMV	· SP'N-BILEVEL
	· VC-AC	+ PC-AC	CPAP
		· PC-APRV	
J, +		PV-PSV	
*			
	De	tailed Features	

Inspiratory Time (Thigh)	- 0.1 to 30 s
Expiratory Time (Tlow)	• 0.05 to 30 s
Inspiratory Pressure (Phigh)	<ul> <li>1 to 95 mbar (or hPa or cmh2O)</li> </ul>
Expiratory Pressure (Plow)	0 to 50 mbar (or hPa or cmh2O)

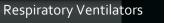
Airway Presure Measurement · Auto Calibration and Auto Diagnostic Realtime Flow Calibration Auto Leakage Compensation
 2-30I/min O2 Therapy · Both invasive and non invasive modes

> Enhancements Auto Calibration and Auto Diagnostic Realtime Flow Calibration Auto Leakage Compensation
>  2-30I/min O2 Therapy · Both invasive and non invasive modes

#### Working Features

Therapy Types	<ul> <li>Invasive Ventilation (Tube)</li> <li>Non-invasive ventilation (NIV)</li> <li>O2-Therap0y</li> </ul>
Ventilation Frequency (RR)	Adult 0.5 to 80 / min     Pediatric patients, 0.5 to 80 / min
Inspiration Time (Ti)	Adults 0.2 to 10 s     Pediatric Patients, 0.2 to 10 s
Tidal Volume (VT)	Adults 0.1 to 2.5L     Pediatric Patients 0.03 to 0.3L
Inspiratory Flow (Flow)	Adults 2 to 120L / min     Pediatric Patients, 2 to 30L / min
Inspiratory Pressure (Pinsp)	<ul> <li>1 to 95 mbar (or hPa or cmH2O)</li> </ul>
Inspiratory Pressure Limit (Pmax)	• 2 to 100 mbar (or hPa or cmH2O)
PEEP	• 0 to 50 mbar (or hPa or cmH2O)
Pressure Assist (Psupp)	0 to 95 mbar (or hPa or cmH2O)
Rise time for pressure assist	<ul> <li>Adults, Pediatric patients 0 to 2s</li> </ul>
O2 Concentration (FIO2)	• 21 to 100 Vol. %
Triger sensitivity (Flow Trigger)	0.2 to 15L / min

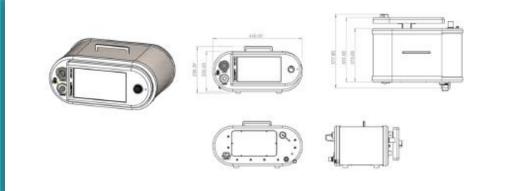






#### Flow Measurement

Minute Volume Measurement	Expiratory Minute Volume (MVe)     Inspiratory Minute Volume (MVI)     Total Minute Volume (MV)	Mains F	Power Supply
Tidal Volume Measurement	<ul> <li>Tidal Volume (VT)</li> <li>Inspiratory Tidal Volume</li> <li>Expiratory Tidal Volume</li> </ul>	Mains power connection	<ul> <li>100 V to 240 V, 50/60 Hz</li> </ul>
Respiratory Rate Measurement	Breathing Fraquency (RR)     Mandatory Respiratory Rate (RRmand)     Spontaneous Breathing Frequency (RRspon)		
O2 Measurement (İnspiratory Side)	Inspiratory O2 Concentration (Fio2)     Range 18 to 100 Vol%		Curent Consumption
			ouron: consumption
Curve Displays	<ul> <li>Airway Pressure Paw (t) -30 to 100 mbar (or hPi - Flow (t) -100 to 100 L / min</li> <li>Volume V (t)</li> </ul>	a or cmH2O)	At 230 V • Max. 0.5 A At 100 V • Max. 0.9 A



#### Alarms / Monitoring

Expiratory Minute Volume (MVe)	< High / Low
Airway Pressure (Paw)	+ High / Low
Inspiratory O2 Concentration (Fio2)	+ High / Low
Volume Monitoring (VT)	- High / Low
Apnea Alarm Time (Tapn)	+ 5 to 60 seconds
Disconnect Alarm Delay Time (Tdisconnect)	+ 0 to 60 seconds

#### Power Consumption

Maximum - 100 W During Ventilation, Without Charging the Battery - Approx. 80 W Digital Machine Output - Digital output and input via an RS232 C Interface

#### Gas Supply

Safety Valve · Opens If medical compressed air supply talls (supply gas flow is not sufficient to

provide the inspiratory flow required), enables spontaneous breathing with ambient air.

Control Principle -- Time-cycled, Volume-constant, Pressure-controlled

Inspiratory Flow + Max, 180 L / min Base flow, adults + 2 L / min Base flow, pediatric patients + 3 L / min

> O2 Gauge Pressure + 2.0 to 6.0 bar (or 200 to 600 kPa) Air Gauge Pressure + 2.0 to 6.0 bar (or 200 to 600 kPa)

#### Size and Weight

Aero Duo - Approx. 16 kg (35.2 lbs) Aero Duo With Trolley - Approx. 34 kg (74.9 lbs.)

#### Physical Specifications

Ventilation Unit - 460 mm x 210 mm x 310 mm (18.1 in x 9.2 in x 12.2 in) Ventilation Unit on the Trolley - 500 mm x 1210 mm x 400 mm (19.6 in x 47.6 in x 15.7 in)

#### Aero Duo Screen

Diagonal Screen Size + 10.1\* TFT Color Touch Screen

agonal Screen Size - 10.1" TFT Color Touch Scree

Aero Duo Screen

Verilation Unit - 400 mm x 210 mm x 310 mm (18.1 m x 12.1 m x 12.2 m Verilation Unit on the Trolley - 000 mm x 42.10 mm x 43.6 mm (19.6 m x 47.6 m x 15.7 m)

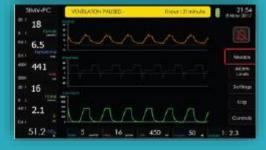
nant Training - Argenez, 34 kg (74 k ton)





**Respiratory Ventilators** 





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# Ĩ







IDEA AERO	Puritan Bennett	Dräger	GE	Hamilton	Maquet	Mindray	Aeonmed
VCV	A/C:PC	PC-AC	PCV	PCV	PC	P-AC	VCV-AC
PSV	SIMV: PC	PC-SIMV	SIMV-PC	PSIMV+	SIMV-PC+PS	P-SIMV	PSV-AC
AC	PS	SPN-CPAP/PS	CPAP/PSV	Spont	PS	PSV	SIMV/VCV+PSV
SIMV / VC	BiLevel	PC-BIPAP	BiLevel	DuoPAP	Bi Vent	DuoLevel	SIMV/PCV+PSV
SIMV / PS	APRV	PC-APRV	APRV	APRV	Bivent-APRV	APRV	SIMV/PRVC+PSV
SIMV / PSV	A/C:VC	VC-AC	VCV	(S)CMV	VC	V-AC	SPONT/CPAP+PSV
CPAP	VC+	Autoflow	PCV-VG	APV/SIMV+	PRVC	PRVC	PSV / VG
Bilevel CPAP	A/C:VC	VC-CMV	VCV	CMV	VC	V-AC	SPON / CPAP + PSV
Hi Level O2 Therapy	SIMV:VC	VC-SIMV	SIMV-VC	SIMV	SIMV-VC+PS	V-SIMV	
PSV / VG	VC+	VC-SIMV+ Autoflow	SIMV-PCVG	APV/SIMV+	SIMV-PRVC+PS	PRVC	
-	PS	SPN-CPAP/PS	CPAP	Spont.	PS/CPAP	-	
-	VS	SPN-CPAP/VS	-	-	VS	-	
-	PAV+	SPN-PPS	-	-	-	-	
-	-	-	-	ASV	-	-	
-	-	-	-	-	NAVA	-	





page **11** 

### Comparison Of Mode



#### FRONT SIDE CONNECTING POINTS



Figure 2: Connections at the front side of the device

- Connection of tube circuit inspiration
   The single line patient circuit or the inspiration section of a double line patient circuit is connected here.
- 2 Connection of pressure measuring tube The single line patient circuit or the inspiration section of a double line patient circuit is connected here.
- 3 Connection of tube circuit expiration The expiration section of a double line patient circuit will be connected here.
- 4 Expiration flow sensor input socket Expiration sensor cable will connect here

#### REAR SIDE CONNECTING POINTS

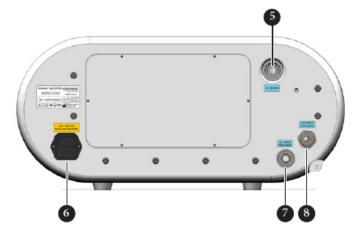


Figure 3: Connections at the rear side of the device

- 5 Oxygen sensor connection
- 6 Electrical Connection 110-220V 0.8Amax
- 7 Medical Oxygen input Max 6 Bar
- 8 Medical Air input Max 6 Bar

8 Medical Air input Max 6 Bar





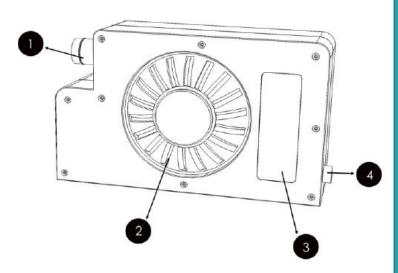
7 Medical Oxygen input Max 6 Bar

Respiratory Ventilators page 12



#### **OPTIONAL BLOWER / TRIBUNE DESCRIPTION**

#### IDEA AERO BLOWER DRIVE



#### 1- Pressurized air outlet

- 2- Air inlet filter group
- 3- Blower electronics and sensor housing4- Power input and hall sensor output connection

#### CONTROL ELEMENTS



#### Figure 4: Control elements

- 3 color Led indicator 9
- Rotary encoder and push button 10

10 Rotary encoder and push button





Respiratory Ventilators



#### EXPIRATION VALVE SET



- 11 Set Detachable Flow sensor
- 12 Disposable-Reusable expiration valve

#### MOVABLE AND REMOVABLE HOUSING PARTS

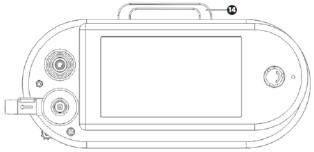


Figure 6: Device Handle

14 Handle (pull-out) The handle may be pulled out for device transport.

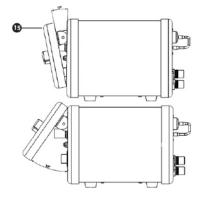


Figure 7 :Control Monitor 15-Control Monitor, Monitor is rotatable

Figure 7 :Control Monitor 15-Control Monitor, Monitor is rotatable

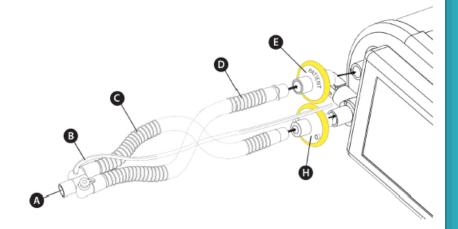






#### CONNECTING A DOUBLE LINE PATIENT CIRCUIT

Connect the tube circuit to the device according



A Patient side connection B Pressure measuring tube C Expiration tube D Inspiration tube E+H Bacterial filters

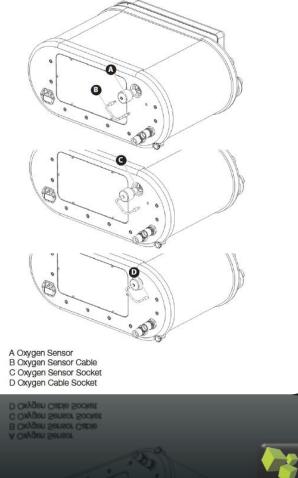
Figure 16: Connecting a double line patient circuit with pressure measuring tube

#### FiO<sub>2</sub> SENSOR CONNECTION

Connect the  $FIO_2$  sensor to the device as shown in Figure 23. if ventilation is in progress, it will also show in the parameter screen.

#### NOTICE

In the case of a malfunction (abnormal operation) dashes are displayed instead of the measured value.







**Respiratory Ventilators** 

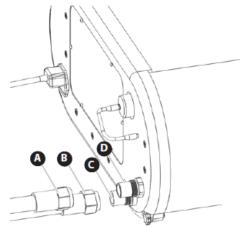


#### CONNECTING OXYGEN AND AIR SOURCE

#### ATTENTION

Only the oxygen connection adapter supplied may be used to connect oxygen. Otherwise, there is a risk that the back-stop in the connection is damaged.

Connect the oxygen source to the device as shown in Figure 27.



A Tube From oxgen source B Tube from Medical Air source, C Medical Air Connection D Oxygen connection

#### SWITCHING THE DEVICE ON

#### NOTICE

The tube circuit may be connected when the device is started up, but it may not yet be connected to the patient yet.

If you are using oxygen therapy during ventilation, please note the section "Using oxygen"

#### To switch on the device:

1. Press the main power switch on the back of the device (position "ON").



Figure 31: Switching on the device

2. The home screen will be displayed.

#### SWITCHING THE DEVICE OFF

- 1. Stop the ventilation.
- 2. Switch off the power with the main power switch on the rear panel (position "OFF").



Figure 32: Switching off the device





**Respiratory Ventilators** 

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Please ensure that you are always working with the most current version of this user's manual. Should you have any questions, please contact the ventilation device provider, or check our information at www.eon-group.com

The respiratory device may only be operated and maintained by trained personnel.

# About Us

EON GROUP are global distributor of IDEA AREO DUO on behalf of ALPRESS company. We are global distributor, for more detail please visit our group website www.eon-group.com



# alpress

TASARIM KALIP DANIŞMANLIK LTD. ŞTİ

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To whom it may concern,

We, ALPRESS DESIGN MOULD & CONSULTING CO. hereby declare that EON GROUP (THAILAND) CO., LTD. is our Exclusives Authorization Dealer to the following countries.

Thailand, India, and all over Asia

This Authorization letter can be verified by our head office in ISTANBUL. Sincerely,

18.08.2021 Alpress Kalipcilik Dan. Ith. Ihr. Ltd. Şti.



# **Our License**

EON GROUP are global distributor of IDEA AREO DUO on behalf of ALPRESS company. We are global distributor, for more detail please visit our group website www.eon-group.com







Unique

High Quality Machine made by ALPRESS

First to Market

First one manufacture 100% Made in Turkey



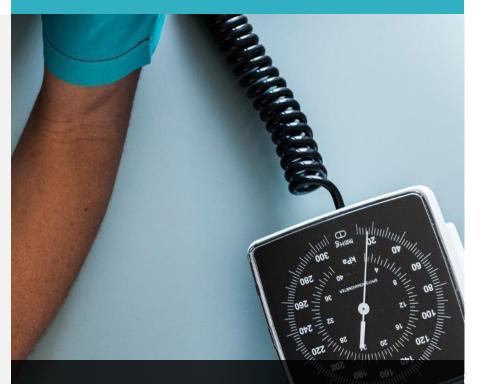


Tested

### Authentic

Certify under ISO13485, CE, FDA

SARS-COV-2, invasive ventilation is required.



# Product

IDEA AERO DUO Ventilator is ICU Ventilation and Respiratory Monitoring machine made by ALPRESS Company.

100% made in Turkey.



# IDEA AERO DUO ICUVENTILATOR AND RESPIRATORY



#### -FAST PRODUCED VENTILATOR SYSTEM

As alpress,

We have produced a minimal (clinically accepted) ventilator production in hospitals related to the current pandemic caused by the COVID-19 virus.

Aero Duo for adults and children from a tidal volume of 50 ml and higher and in professional healthcare facilities when an FDA-cleared clinical ventilator is not available during the COVID-19 pandemic. It can be used for intensive care ventilation. The Aero Duo is not suitable for use in vehicles, airplanes and helicopters.

Alpress reserves the right to change any products, technical specifications, price and stock information, without any prior notice. Alpress, istediği zaman ve önceden herhangi bir bildinme gerek olmaksızın modelleri, donanımı, teknik özellikleri, fiyat ve stok bilgilerini değiştirme hakkını saklı tutar





#### Technology For Health

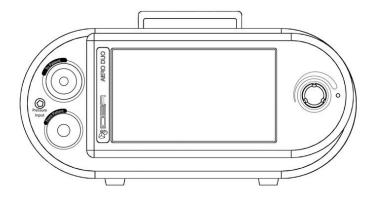
#### IDEA Aero Respiratory Ventilators

Alpress produced the IDEA Aero Respiratory Ventilators by proving itself once again with its technological infrastructure and knowledge













Ventilation Modes

•VCV •SIMV •PCV •SIMV/P •AC-VC/PC •CPAP SIMVSIMV/PC



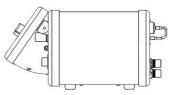
• 3 waveforms • Alarm History • 30 days patient trend data • Up to 5000 events log

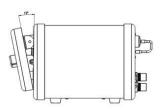












IDEA Aero comes with adjustable screen that allows tilting for best viewing angle





Setting range indicator
 Setting summary



Alarm range indicator
Active alarm with color coded
Auto alarm limits

#### Easy of use

Thanks to the innovative UI design of IDEA Aero, change of ventilation modes requires only 2 simple steps. Each function is in logical order so that you wouldn't be lost in complex user manual.

#### Technology For Health

#### Ease of maintenance

With our newly designed expiratory and inspiration valves , replacing and cleaning are no longer a hassle. Also, it is extremely durable and can last longer than most of the competitors offerings right now out there in the market.

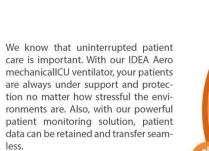
Valve system: - Detachable design - Require no tools during disassemble - Support autoclave disinfection - Extremely durable

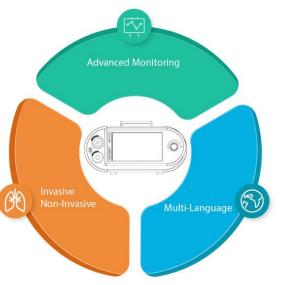






#### Technology For Health







- Modern ventilation mode - Waveforms - Trends - Advanced Safety - Long term Logging

Multi touch user interface
 Silent operation
 Better synchronous breaths
 Detachable exhalation valve

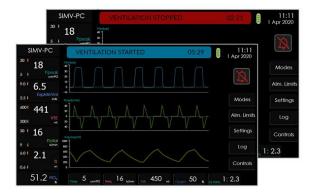








#### Technology For Health



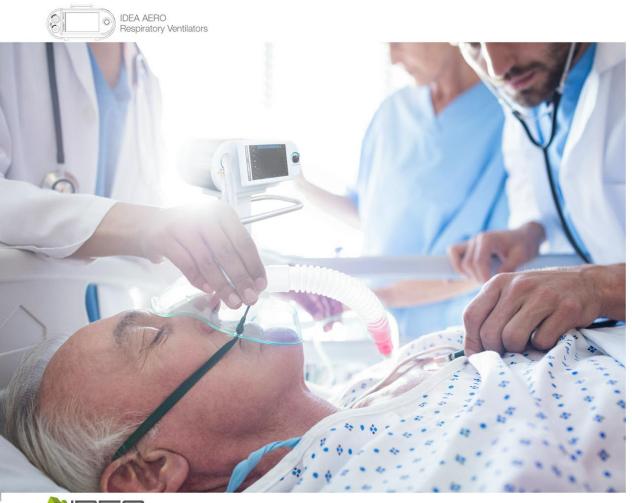
IDEA Aero Uses Simple but Powerfull Interface to Ensure Stability

- IDEA Aero uses 7 most common control modes.
- Volume and pressure controlled modes can be selected on touch screen
- O2 Air mix can be adjusted from touch screen and O2 concentration can be adjusted 21%-100%

- IDEA Aero works compitable with all adult patients.
- 50-3000 ml Vtial and up to 80 breaths in a minute
- Flow and Pressure graphs to inspect ventilation process









#### **Monitoring Functions**

Real time FiO2 monitoring
Volume, Flow and Pressure waveform graphics
Leakage monitoring and compansation
Up to 8 hours battery life (optional)
Peep Level monitoring
Pleteau reading

#### Advanced Safety

Deatachable exhalation valve for avoid cross-contamination
4 flow sensor for advanced accuracy
Spontaneus brath triggering with pressure and flow sensors
50 - 3000ml tidal volume for every patient needs
Intelligent alarms for maximum patient safety
Auto calibration and diagnostic for stability

#### Key Features

Non-invasive ventilation in all modes
 Full record of all ventilation data
 Easy to use features with low-learning curve
 Multi language







#### Ventilation Setting

Ventilation Mode

Volume Controlled Ventilation	Pressure Controlled Ventilation	Support of Spontaneous Breathing
• VCV • AC/VC • SIMV-VC	• PCV • AC/PC • SIMV/PC	• SPN-CPAP
Enhancements	Therapy Types	
<ul> <li>Auto Calibration and Auto Diagnostic</li> <li>Realtime Flow Calibration</li> <li>Auto Leakage Compensation</li> <li>Both invasive and non invasive modes</li> </ul>	Invasive Ventilatio     Non-invasive venti	
/entilation Frequency (RR)	Inspiration Time (Ti)	
<ul> <li>Adult 0.5 to 80 / min</li> <li>Pediatric patients, 0.5 to 80 / min</li> </ul>	<ul> <li>Adults 0.2 to 10</li> <li>Pediatric Patient</li> </ul>	
Fidal Volume (VT)	Inspiratory Flow (Flow)	
<ul> <li>Adults 0.1 to 2.5L</li> <li>Pediatric Patients 0.03 to 0.3L</li> </ul>	<ul> <li>Adults 2 to 120L</li> <li>Pediatric Patient</li> </ul>	
nspiratory Pressure (Pinsp)	Inspiratory Pressure Li	mit (Pmax)
• 1 to 95 mbar (or hPa or cmH2O)	• 2 to 100 mbar (o	r hPa or cmH2O)
PEEP	Pressure Assist (Psupp	))
• 0 to 50 mbar (or hPa or cmH2O)	• 0 to 95 mbar (or	hPa or cmH2O)
Rise time for pressure assist	O2 Concentration (FiO	2)
<ul> <li>Adults, Pediatric patients 0 to 2s</li> </ul>	• 21 to 100 Vol. %	



nspiratory Time (Thigh)	Expiratory Time (Tlow)	
• 0.1 to 30 s	• 0.05 to 30 s	
Inspiratory Pressure (Phigh)	Expiratory Pressure (Plow)	
• 1 to 95 mbar (or hPa or cmh2O)	• 0 to 50 mbar (or hPa or cmh2O)	
Displayed Measured Values		
Airway Presure Measurement		
<ul> <li>Plateau Presure (Pplat)</li> <li>Positive end-expiratory Pressure (PEEP)</li> <li>Positive end-expiratory Pressure (PIP)</li> <li>Mean airway pressure (Pmean)</li> <li>Range -30 to 100 mbar (or hPa or cmH2O)</li> </ul>		
Flow Measurement	Tidal Volume Measurement	
Minute Volume Measurement		
Minute Volume Measurement		
Expiratory Minute Volume (MVe)	• Tidal Volume (VT)	
<ul> <li>Expiratory Minute Volume (MVe)</li> <li>Inspiratory Minute Volume (MVi)</li> </ul>	<ul> <li>Tidal Volume (VT)</li> <li>Inspiratory Tidal Volume</li> </ul>	
<ul> <li>Expiratory Minute Volume (MVe)</li> <li>Inspiratory Minute Volume (MV)</li> <li>Total Minute Volume (MV)</li> </ul>	<ul> <li>Tidal Volume (VT)</li> <li>Inspiratory Tidal Volume</li> <li>Expiratory Tidal Volume</li> </ul>	
Expiratory Minute Volume (MVe)     Inspiratory Minute Volume (MV)     Total Minute Volume (MV) Respiratory Rate Measurement     Breathing Frequency (RR)     Mandatory Respiratory Rate (RRmand)	Tidal Volume (VT)     Inspiratory Tidal Volume     Expiratory Tidal Volume O2 Measurement (Inspiratory Side)     Inspiratory O2 Concentration (Fio2)	







#### Alarms / Monitoring

Expiratory Minute Volume (MVe)	Airway Pressure (Paw)	
• High / Low	• High / Low	
Inspiratory O2 Concentration (Fio2)	Volume Monitoring (VT)	
• High / Low	• High / Low	
Apnea Alarm Time (Tapn)	Disconnect Alarm Delay Time (Tdisconnect)	
• 5 to 60 seconds	• 0 to 60 seconds	

#### Performance Data

Control Principle	Inspiratory Flow	
Time-cycled, Volume-constant, Pressure-controlled	- Max. 120 L / min	
Base flow, adults	Base flow, pediatric patients	
• 2 L / min	• 3 L / min	

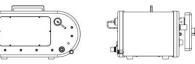
Safety Valve

 Opens if medical compressed air supply fails (supply gas flow is not sufficient to provide the inspiratory flow required), enables spontaneous breathing with ambient air.



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Operating Data		
Mains Power Supply		
Mains power connection		
• 100 V to 240 V, 50/60 Hz		
Curent Consumption		
At 230 V	At 100 V	
• Max. 0.5 A	• Max. 0.9 A	
Power Consumption		
Maximum	During Ventilation, Without Charging the Battery	
• 100 W	<ul> <li>Approx. 80 W</li> </ul>	
Digital Machine Output		
• Digital output and input via an RS232 C interface		
Gas Supply		
O2 Gauge Pressure	Air Gauge Pressure	
<ul> <li>2.0 to 6.0 bar (or 200 to 600 kPa)</li> </ul>	<ul> <li>2.0 to 6.0 bar (or 200 to 600 kPa)</li> </ul>	
Physical Specifications	Dimensions (W x H x D)	
Ventilation Unit	<ul> <li>460 mm x 210 mm x 310 mm (18.1 in x 8.2 in x 12.2 in )</li> </ul>	
Ventilation Unit on the Trolley	• 500 mm x 1210 mm x 400 mm (19.6 in x 47.6 in x 15.7 in )	
Weight		
Aero Duo	<ul> <li>Approx. 16 kg (35.2 lbs )</li> </ul>	
Aero Duo With Trolley	• Approx. 34 kg (74.9 lbs )	
Aero Duo		
Diagonal Screen Size	10.1" TFT Color Touch Screen	



# IDEA AERO DUO <sup>2</sup> OXYGEN CONCENTRATOR



- SECOND PRODUCED OXYGEN CONCENTRATOR

As alpress,

We have produced a minimal (clinically accepted) ventilator production in hospitals related to the current pandemic caused by the COVID-19 virus.

Aero Duo for adults and children from a tidal volume of 50 ml and higher and in professional healthcare facilities when an FDA-cleared clinical ventilator is not available during the COVID-19 pandemic. It can be used for intensive care ventilation. The Aero Duo is not suitable for use in vehicles, airplanes and helicopters.

Alpress reserves the right to change any products, technical specifications, price and stock information, without any prior notice. Alpress, istediği zaman ve önceden herhangi bir bildinme gerek olmaksızın modelleri, donanımı, teknik özellikleri, fiyat ve stok bilgilerini değiştirme hakkını saklı tutar





IDEA AERO<sup>2</sup> Oxygen Concentrator



#### Technology For Health

#### IDEA Aero<sup>2</sup> Oxygen Concentrator

Alpress produced the IDEA Aero<sup>2</sup> Oxygen Concentrator by provroving itself once again with its technological infrastructure and knowledge











#### Oxygen Concentrator

<ul> <li>10 LPM Type</li> </ul>	<ul> <li>24 hour continious</li> </ul>
<ul> <li>5 LPM Type</li> </ul>	<ul> <li>Medical grade</li> </ul>
<ul> <li>5.5 inch touchscreen</li> </ul>	<ul> <li>Humidifier</li> </ul>



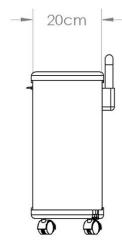






IDEA AERO<sup>2</sup> Oxygen Concentrator







#### Easy of use

Thanks to the innovative UI design of IDEA Aero Duo 2, Change of Oxygen Concentrator control only 2 simple steps, By 5.5 inch touchscreen control is in logical order so that you wouldn't be lost in complex user manual.



#### Ease of maintenance

With our newly designed expiratory and inspiration valves , replacing and cleaning are no longer a hassle. Also, it is extremely durable and can last longer than most of the competitors offerings right now out there in the market.

Valve system: - Detachable design - Require no tools during disassemble





IDEA AERO<sup>2</sup> Oxygen Concentrator

### Aero Duo



#### Product Type

#### • 10 LPM

0.5

Liter flow

0.5 to 10 liters per minute high purity medical grade O2 supply

• 0.5 to 5 liters per minute high purity medical grade O2 supply

• 5 LPM

Lightweight (17Kg - 46lbs)

#### **Product Specifications**

- 24 hour continious work capacity
- Medical grade oil free silent compressor
- Built-in Humidifier
- External compressor connection option
- Schock absorber lockable wheels
- 5.5 inch touchscreen control

#### Flow Meansurement

Sound level • 42 dBA typical OPI (oxygen percentage indicator) alarm levels • Low oxygen: 82%, very low oxygen: 70% Operating temperature • 55°F to 90°F (12°C to 32°C) Storage/transport humidity • -30°F to 160°F (-34°C to 71°C) up to 95% relative humidity Operating humidity • Up to 95% relative humidity

Outlet pressure • 5.5 PSI

- Operating altitude
- 0 to 7,500' (0 to 2,286 m)

#### **Power Consumption**

- 220 VAC +/- 10% 50hz
- Lightweight (21Kg 46lbs)
   Compact (45cmX20cmX45cm)
- 100% Made in Turkey
- 3 year guarantee





# **Products** Certification

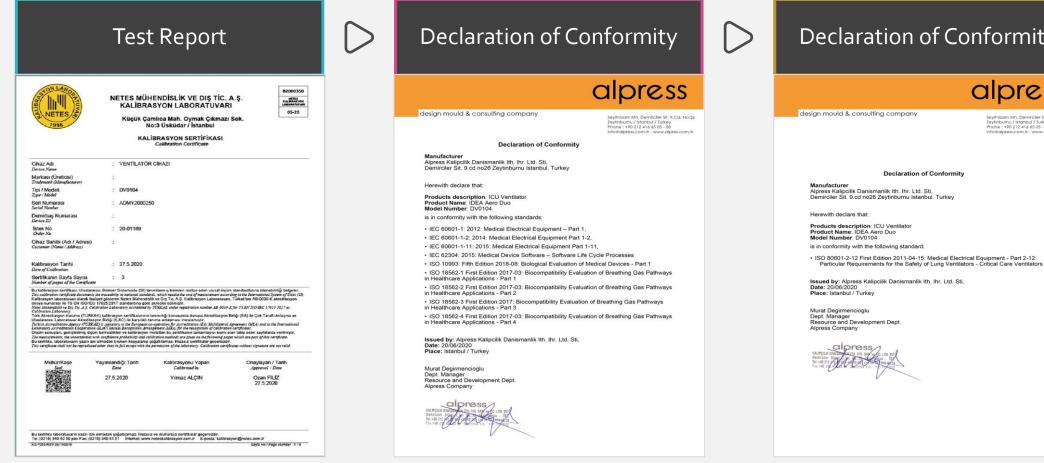
Idea Aero Duo made under certification follow:





# **Products** Certification

Idea Aero Duo made under certification follow:



## Declaration of Conformity

### alpress

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# ThankYou

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