



Mechanical facility for infection control

We provide innovative products and services
to enrich environment and create a healthy customer's life.



ASMedi is keeping on progress.

Asmedi's R&D continues without a break.

Asmedi's core value is the health and safety of humankind.

- 2020 April Founded 3rd Factory
 Building of sales network in the world and then start to export
 March Launched New Negative Pressure Machine (ARDC-2501)
 February Supply Negative Pressure Machines when spreading COVID-19
 - Designated as "a national Negative Pressure Machines supplier" by KCDC (Korean Center for Disease Control and Prevention).
 - Supplied appx. 2000 units of Negative Pressure Machines to KCDC(Korean Center for Disease Control and Prevention), Public health centers, military bases, medical institution and hospitals.
- 2019 Founded 2nd Factory (Hanam-si, Gyeonggi-do Province)
- 2018 Transferred 1st Factory (From Seoul to Hanam-si, Gyeonggi-do Province)
- 2017 Launched Upgrade Negative Pressure Machine (ARDC-1502)
- 2016 Separated ASKO Co., Ltd into an independent corporation.
- 2015 Launched 'ASMedi' , a brand that specializes in equipment for infection control.
 - Supplied Negative Pressure Machines for MERS patient isolation room to KCDC(Korean Center for Disease Control and Prevention) the first in Korea
 Started to R&D and supply 'Disinfection system' for 119 emergency teams
 - Supplied 'Disinfection system' to Fire Station in Seoul and Chungbuk area
- 2014 Developed and started supplying building safety management solution
- 2011 Changing the name of the company to 'Saram & Sarams Co., Ltd.'
 Started to produce and supply statutory registration equipments by Employment of the Ministry of Labor
- 2010 Registered relevant patents
- 2009 Developed and mass-produced Negative Pressure Machines (ARDC-1501) in line with the revision of the Industrial Safety and Health Act
- 2008 Established 'ASMAN Corp.' that specializes in Industrial Mechanical Equipment and Manufacturing



ASKO Co., Ltd.

Head office 4F, 137, Ahasan-ro, Seongdong-gu, Seoul, Republic of Korea
1st Factory 109, Daeseong-ro, Hanam-si, Gyeonggi-do, Republic of Korea
2nd Factory 606, Seohanam-ro, Hanam-si, Gyeonggi-do, Republic of Korea
3rd Factory 3F, 71, Chogwangsandandong-ro 6beon-gil, Hanam-si, Gyeonggi-do, Republic of Korea

3rd Factory



1st Factory



2nd Factory



ARDC-2502 Negative Air Pressure Purifier

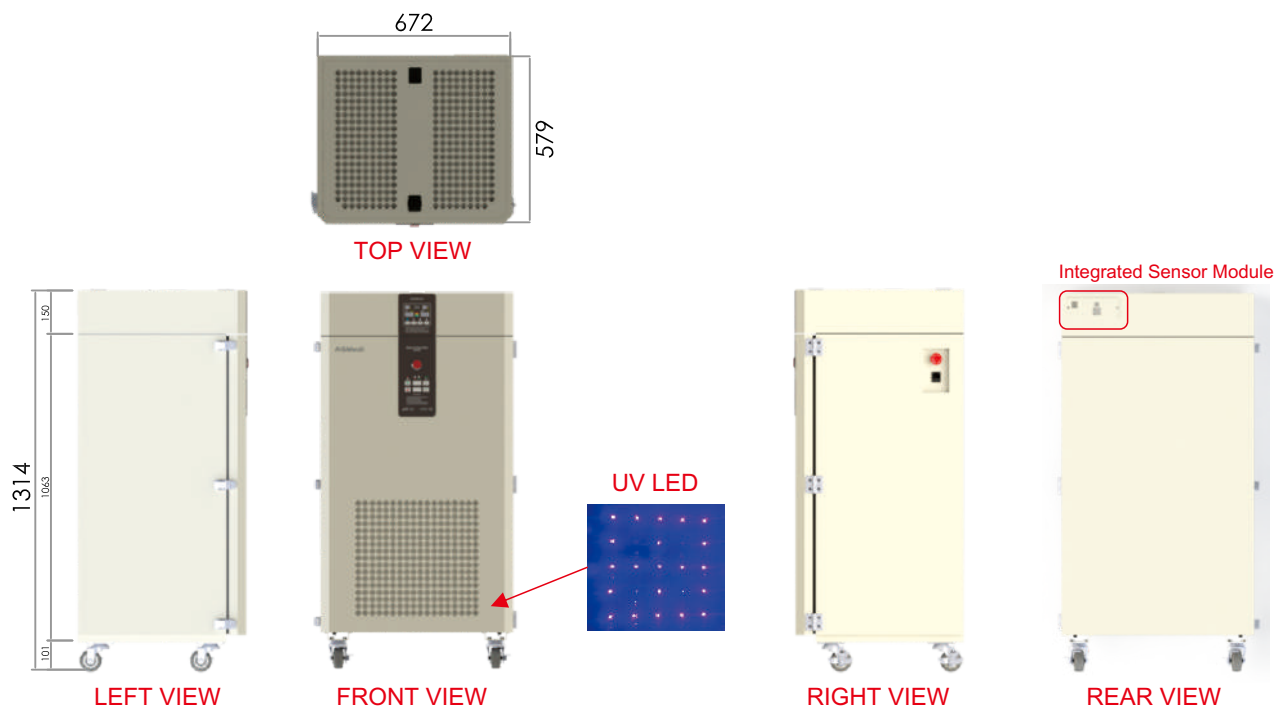


| Model | | | ARDC-2502 |
|---------------|-----------|--------------------------|--|
| Specification | Main Unit | Supply voltage | AC110V~230V, 50/60Hz, 750W |
| | | Frame material | Powder coating steel plate |
| | | Air Volume (Fan) | Max. 70CMM(m^3/min) \approx 2,472CFM |
| | | Air Volume (with Filter) | Max. 33.5CMM(m^3/min) \approx 1,183CFM |
| | | Size & Weight | 672*579*1314(mm), 129kg |
| | | UV LED | 25EA, DC12V 5W |
| | | Operation Mode | 0~100 / Digital air volume control |
| | Filter | Pre, Carbon | 56CMM, 15mmH ₂ O |
| | | Medium | 29CMM, 15mmH ₂ O($\geq 85\%$) |
| | | HEPA | 26CMM 29.7mmH ₂ O($\geq 99.99\%$, 0.3 μm) |

* Maintain negative pressure up to 67 m^2 based on 2.5Pa and 12ACH.

* Air purifier mode can be used up to 224.4 m^2 .

- With elegant and low noise design, Our ARDC-2502 model is the most perfect suitable Negative air pressure purifier machine for indoor medical isolation chamber. (Released 2020)
- Our ARDC-2502 meets the high standard of CDC and KCDC(Korean Center of Disease Control and Prevention).
: maintaining negative pressure in a hospital room which can accommodates 1~6 patient(max. 67 m^2 with 2.5m height)
- With our high-performance BLDC motor, Operators can control level of an output from 0 to 100 freely depending on their situations.
- Normally, it can be used as an air purifier but switched to a Negative Air Machine in case of an emergency.
- In addition to the triple filter, apply carbon filter to remove VOCs and deodorize.
- UV LED is installed at the bottom of the main body sterilize air and filters and can be used semi-permanent for more than 10 years.
- When using the air purifier, It can measure CO₂, VOCs, Fine dust, Temperature, and Humidity and automatically operate.
- By applying double filter damage prevention mechanism, It can secure filters against unexpected behavior from operators.
- High-rigidity toggle clamping filter for easy filter replacement and prevention of leakage.(Patent application: No. 2020-0034174)



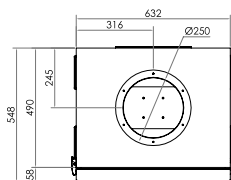
Negative Air Pressure Purifier **ARDC-2501**



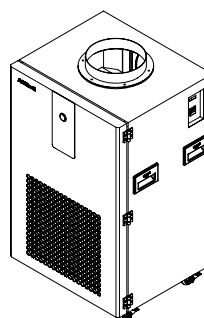
| Model | | | ARDC-2501 |
|---------------|-----------|--------------------------|--|
| Specification | Main Unit | Supply voltage | AC110V~230V, 50/60Hz, 750W |
| | | Frame material | Powder coating steel plate |
| | | Air Volume (Fan) | Max. 70CMM(m^3/min) \approx 2,472CFM |
| | | Air Volume (with Filter) | Max. 23.8CMM(m^3/min) \approx 840CFM |
| | | Size | 665*550*1136(mm) |
| | | Weight | 89kg |
| | | Operation Mode | 0~100 / Digital air volume control |
| | Filter | Pre | 56CMM, 15mmH ₂ O |
| | | Medium | 29CMM, 15mmH ₂ O($\geq 85\%$) |
| | | HEPA | 26CMM 29.7mmH ₂ O($\geq 99.99\%$, 0.3 μm) |

* Maintain negative pressure up to 46.2 m^3 based on 2.5Pa and 12ACH.

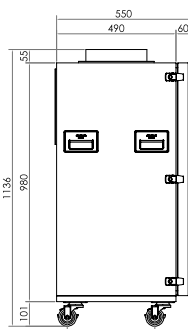
- With elegant and low noise design, Our ARDC-2501 model is the most perfect suitable Negative air pressure purifier machine for indoor medical isolation chamber. (Released 2020)
- Our ARDC-2501 meets the high standard of CDC and KCDC(Korean Center of Disease Control and Prevention). ; maintaining negative pressure in a hospital room which can accommodates 1~6 patient(max. 46 m^3 with 2.5m height)
- With our high-performance BLDC motor, Operators can control level of an output from 0 to 100 freely depending on their situations.
- With a stand type and compact size our ARDC-2501 is required less installation space.
- Powder coating steel plate protect internal machine from unintended shocks and severs torsion.
- By applying double filter damage prevention mechanism, our new model secures filters against unexpected behavior from operators.
- High-rigidity toggle clamping filter for easy filter replacement and prevention of leakage. (Patent application: No. 2020-0034174)



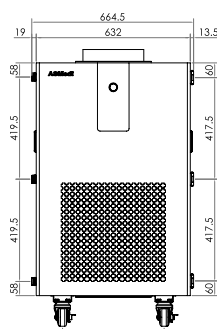
TOP VIEW



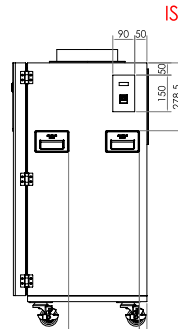
ISO VIEW



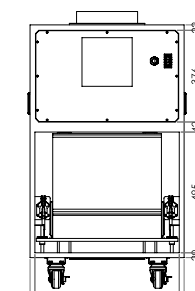
LEFT VIEW



FRONT VIEW



RIGHT VIEW



DOOR OPEN VIEW

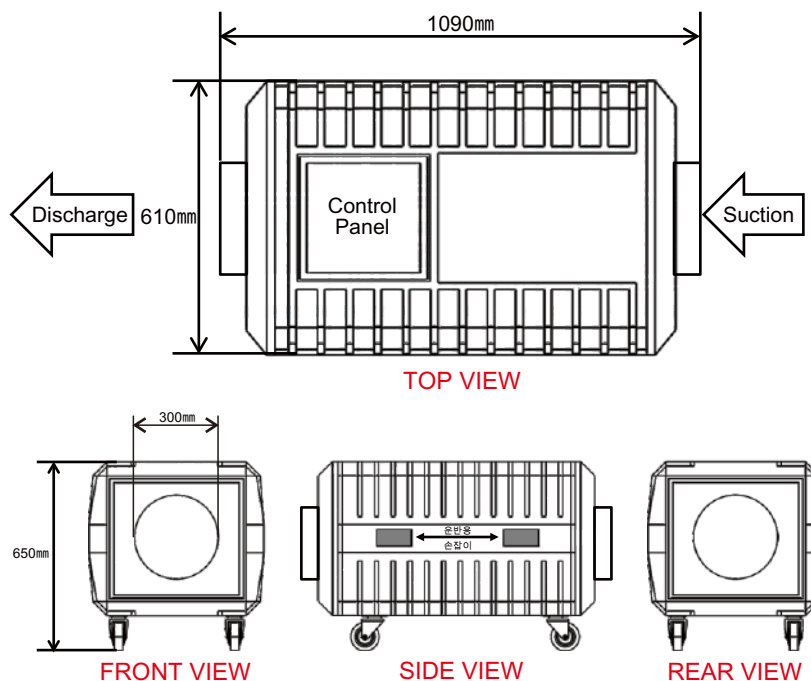
ARDC-1502 Portable Negative Air Pressure Machine



| Model | | | ARDC-1502 |
|---------------|-----------|--------------------------|--|
| Specification | Main Unit | Supply voltage | AC110V~230V, 50/60Hz, 750W |
| | | Frame material | Shunt-painting steel plate |
| | | Air Volume (Fan) | Max. 70CMM(m^3/min) \approx 2,472CFM |
| | | Air Volume (with Filter) | Max. 56CMM(m^3/min) \approx 1,977CFM |
| | | Size | 1090*610*650(mm) |
| | | Weight | 56kg |
| | | Operation Mode | 0~100 / Digital air volume control |
| | Filter | Pre | 56CMM, 15mmH ₂ O |
| | | Medium | 29CMM, 15mmH ₂ O($\geq 85\%$) |
| | | HEPA | 26CMM 29.7mmH ₂ O($\geq 99.99\%$, 0.3 μm) |

* Maintain negative pressure up to 112 m^3 based on 2.5Pa and 12ACH.

- Our ARDC-1502 can perform as negative pressure machine for medical isolation chamber and positive pressure machine for medical operation station to protect medical workers.
- Our ARDC-1502 meets the high standard of CDC and KCDC(Korean Center of Disease Control and Prevention). ; maintaining negative pressure in a hospital room which can accommodates 1~6 patient(max. 112 m^3 with 2.5m height)
- With our high-performance BLDC motor, Operators can control level of an output from 0 to 100 freely depending on their situations.
- Our ARDC-1502 is designed to operate normally in the worst environment in bad weather (snow and rain) when installed in outdoors and negative pressure tent.
- Reinforced plastic case and high tension steel plate protect internal machine from unintended shocks and severe torsions.



Air Differential Pressure Meter

ASM-100 Portable Air Differential Pressure Meter & Recorder

| Model Name | | | ASM-100 |
|---------------|-------------|-------------------------|---|
| Specification | Main Device | Power Supply | DC12V, 5A(Battery 2,400mA) |
| | | Dimension | 220*150*60(mm) |
| | Sensor | Measurement Standard | -2.5Pa (alarm function) |
| | | Measurement Sensitivity | 0.01Pa |
| | | Measurement Range | +637 ~ -637(Pa) |
| | | Measurement Interval | measure every seconds, storage average value of the minutes |



- High-performance sensor made in Switzerland (Ultra-precision static pressure sensor)
- Convenient operation with touch screen
- Alarm function when the standard negative pressure(-2.5Pa) is not reached



MDP-110 Fixed Air Differential Pressure Meter



| Model Name | | | MDP-110 |
|------------------------|----------------|------------------------------------|---|
| Voltage | | | AC 220V \pm 10% |
| Power Supply | | | 220*150*60(mm) |
| Temperature / Humidity | | | -10~50°C, 0~80%(No condensation / freezing) |
| Display | | | 1.54" OLED Blue LCD 128 X 64(mm) |
| Pressure Range | | | -50.0~50.0 Pa |
| Pressure Resolution | | | 22Bit ADC |
| Output Specifications | Digital | 2Port (250VAC/2A) | |
| | Analog | 1Port (4~20mA LOAD 500Ω MAX.) | |
| | Communication | Modbus 485 RTU | |
| Function | Pressure | Changeable Unit (Pa/mmH2O/inchH2O) | |
| | | Automatic Zero Point Setting | |
| | | Pressure correction | |
| | Analog output | Output range setting | |
| | Digital output | Alarm output range setting | |
| | Display | Change language (Korean / English) | |
| Remarks | | | Max / min measurement record |

Disinfection system

Disinfection system for 119 emergency team



- Our Disinfection system is an independent facility for medical emergency service workers.
- Disinfection system is optimized to prevent infections among medical emergency workers, including stretcher cleaners, low temperature plasma sterilizers and ultraviolet sterilizers.

Negative pressure tent and other Simple Sanitary Facility



COVID-19 Screening Center, Negative pressure isolation tent



Hot-water shower machine



Contaminated water collection tank



Drainage filtration machine



Portable toilet

Performance

It has been supplied about 2,000 units to KCDC(Korea Center of Disease Control and Prevention), NMC(National Medical Center), AFMC(The Armed Forces Medical Command), etc and about 600 medical institutions and quarantine offices of national airports and harbors when the Middle East Respiratory Syndrome (MERS) in 2015 and the Novel Corona Virus(Corona-19) occurred as of 2020.

Supplied negative pressure tents for COVID-19 screening centers to public health centers and 200 medical institutions nationwide.

Supplied Infection Control Facility to 119 emergency team of Seoul city and Chungcheong Province.



Inspected by Mr. President and government officials



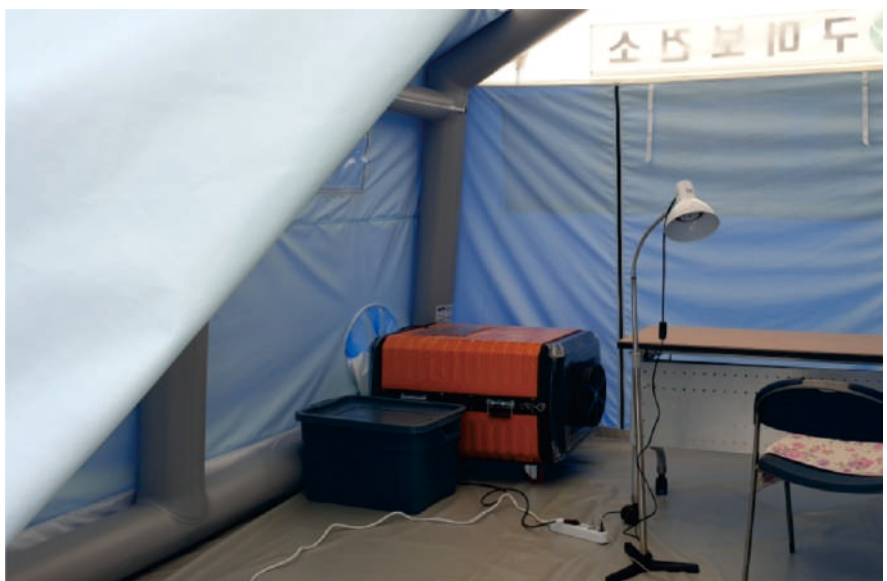
Pre-installation Standby at NMC



Installation completed in hospital room (ARDC-1502)



Installation completed in hospital room (ARDC-2501)



Installation completed in the negative pressure isolation tent of COVID-19 Screening Center.

Patent and Test Report

Patent



Patent No.10-0955662

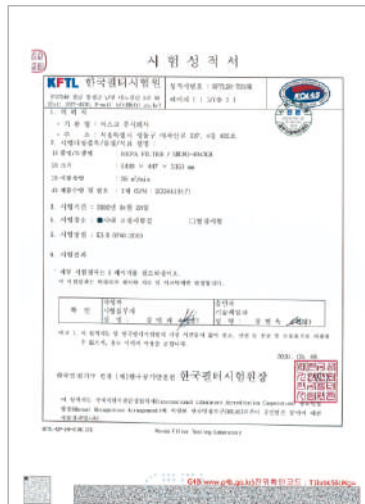


Patent No.10-1230043



Patent application
No.10-2020-0034174

Test Report (Air Leakage and Filtration Rate: Korea Filter Testing Laboratory)



Certificate

EC Declaration of Conformity
Directive 2006/42/EC and Directive 2014/30/EU

Holder of Certificate:
ASKO Co., Ltd.

Address:
Unit 402, Seongjin Bldg., 137 Acheon-ro, Seongdong-gu, Seoul, Republic of Korea

For the following Product:
Portable Negative Air Pressure Purifier

Model:
ARDC-1502

Reference documentation:
Test Report No.: SDC240221

We herewith declare,
that the above product complies with the appropriate basic safety and health requirements of the EC Directives based on its design and construction in accordance with the CE marking in accordance with the applicable standards.

Has been notified for the purposes of the documents required for:
2006/42/EC Machinery Directive and 2014/30/EU Electromagnetic compatibility Directive

Issue date: 2020-04-12

Notified body:
EN ISO 15030:2010 Safety of machinery - General principles for design - Risk assessment and risk reduction
EN ISO 12100-1:2010 Safety of machinery - Electrical equipment of machines - Part 1: General requirements
EN ISO 15086-5:2015 Electromagnetic compatibility (EMC) - Part 5-4: Generic standards - Emission standard for industrial environments
EN ISO 15086-5:2015 Electromagnetic compatibility (EMC) - Part 5-2: Limits - Limits for harmonic current emissions
EN ISO 15086-5:2015 Electromagnetic compatibility (EMC) - Part 5-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current

Authorized Signature:
ASKO Co., Ltd. / Manager

The CE marking may be used if all relevant and effective EC directives are complied with.

CE : ARDC-1502

EC Declaration of Conformity
Directive 2006/42/EC and Directive 2014/30/EU

Holder of Certificate:
ASKO Co., Ltd.

Address:
Unit 402, Seongjin Bldg., 137 Acheon-ro, Seongdong-gu, Seoul, Republic of Korea

For the following Product:
Negative Air Pressure Purifier

Model:
ARDC-2501

Reference documentation:
Test Report No.: SDC240522

We herewith declare,
that the above product complies with the appropriate basic safety and health requirements of the EC Directives based on its design and construction in accordance with the CE marking in accordance with the applicable standards.

Has been notified for the purposes of the documents required for:
2006/42/EC Machinery Directive and 2014/30/EU Electromagnetic compatibility Directive

Issue date: 2020-04-12

Notified body:
EN ISO 15030:2010 Safety of machinery - General principles for design - Risk assessment and risk reduction
EN ISO 12100-1:2010 Safety of machinery - Electrical equipment of machines - Part 1: General requirements
EN ISO 15086-5:2015 Electromagnetic compatibility (EMC) - Part 5-4: Generic standards - Emission standard for industrial environments
EN ISO 15086-5:2015 Electromagnetic compatibility (EMC) - Part 5-2: Limits - Limits for harmonic current emissions
EN ISO 15086-5:2015 Electromagnetic compatibility (EMC) - Part 5-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current

Authorized Signature:
ASKO Co., Ltd. / Manager

The CE marking may be used if all relevant and effective EC directives are complied with.

CE : ARDC-2501

EC Declaration of Conformity
Directive 2006/42/EC and Directive 2014/30/EU

Holder of Certificate:
ASKO Co., Ltd.

Address:
Unit 402, Seongjin Bldg., 137 Acheon-ro, Seongdong-gu, Seoul, Republic of Korea

For the following Product:
Negative Air Pressure Purifier

Model:
ARDC-2502

Reference documentation:
Test Report No.: SDC240522

We herewith declare,
that the above product complies with the appropriate basic safety and health requirements of the EC Directives based on its design and construction in accordance with the CE marking in accordance with the applicable standards.

Has been notified for the purposes of the documents required for:
2006/42/EC Machinery Directive and 2014/30/EU Electromagnetic compatibility Directive

Issue date: 2020-04-12

Notified body:
EN ISO 15030:2010 Safety of machinery - General principles for design - Risk assessment and risk reduction
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Authorized Signature:
ASKO Co., Ltd. / Manager

The CE marking may be used if all relevant and effective EC directives are complied with.

CE : ARDC-2502

EC Declaration of Conformity
Directive 2014/30/EU

Holder of Certificate:
ASKO Co., Ltd.

Address:
Unit 402, Seongjin Bldg., 137 Acheon-ro, Seongdong-gu, Seoul, Republic of Korea

For the following Product:
Portable Air Differential Pressure Meter & Recorder

Model:
ASM-100

Reference documentation:
Test Report No.: SDC240523

We herewith declare,
that the above product complies with the appropriate basic safety and health requirements of the EC Directives based on its design and construction in accordance with the CE marking in accordance with the applicable standards.

Has been notified for the purposes of the documents required for:
2014/30/EU Electromagnetic compatibility Directive

Issue date: 2020-04-20

Notified body:
EN ISO 15086-5:2015 Electromagnetic compatibility (EMC) - Part 5-4: Generic standards - Emission standard for industrial environments
EN ISO 15086-5:2015 Electromagnetic compatibility (EMC) - Part 5-2: Limits - Limits for harmonic current emissions
EN ISO 15086-5:2015 Electromagnetic compatibility (EMC) - Part 5-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current

Authorized Signature:
ASKO Co., Ltd. / Manager

The CE marking may be used if all relevant and effective EC directives are complied with.

CE : ASM-100

Certificate of Registration

Awarded to
ASKO Co., Ltd.

#402, 137, Acheon-ro, Seongdong-gu, Seoul Korea

for their Quality Management System that
complies to the requirements of the standard

ISO 9001:2015

Scope of Certification
Development, Manufacture and Supply of Asbestos Safety Management Medical Devices (Negative Pressure Machine, Pressure Meter & Recorder Machine)

Initial Certification: 05 May 2020
Issue Date: 05 May 2020
Expiry Date: 04 May 2023

Certificate No: QMS-KR20002

Authorized Signature:
Kanshal Goyal
Managing Director

The CE marking may be used if all relevant and effective EC directives are complied with.

ISO 9001

Certificate of Registration

Awarded to
ASKO Co., Ltd.

#402, 137, Acheon-ro, Seongdong-gu, Seoul Korea

for their Environmental Management System that
complies to the requirements of the standard

ISO 14001:2015

Scope of Certification
Development, Manufacture and Supply of Asbestos Safety Management Medical Devices (Negative Pressure Machine, Pressure Meter & Recorder Machine)

Initial Certification: 05 May 2020
Issue Date: 05 May 2020
Expiry Date: 04 May 2023

Certificate No: EMS-KR20001

Authorized Signature:
Kanshal Goyal
Managing Director

The CE marking may be used if all relevant and effective EC directives are complied with.

ISO 14001

ASMedi

specializes in manufacturing
and distributing mechanical facilities
and consumables supplies for infection control,
such as medical facilities, biological laboratories.



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ASKO Co., Ltd.