AVICHE

SHANDONG MEDICAL TECHNOLOGY CO., LTD



DEDICATED TO HOME WELLNESS.

Home health technologies shaped by aviation-supported R&D, practical innovation and a clear commitment to better everyday air.

PRODUCT CATALOG | 2026 EDITION

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01 | BRAND & CAPABILITY

Technology with a human purpose

AVICHE Shandong Medical Technology Co., Ltd. was founded in 2014 with technical support from the Aviation Industry of China. We develop and manufacture home health equipment that brings professional care into everyday spaces.

50+	100+	55,656 m²
Countries reached	Patents from China & EU stated in source catalog	Factory area stated in source catalog

R&D STRENGTH

Air purification cabin, mute test laboratory, EMC area, electrical safety test area, pilot plant and reliability laboratory.

OEM / ODM

Product R&D and manufacturing cooperation for enterprises and brands in domestic and overseas markets.

QUALITY SYSTEMS

Factory stated as certified to ISO9001 and ISO13485. Products stated as passing CE, FDA and RoHS certifications.

OEM / ODM CUSTOMIZATION PROCESS

01	02	03	04	05
DISCOVER	DEFINE	DEVELOP	VALIDATE	DELIVER
Share product, market and compliance requirements.	Align on specifications, appearance and packaging direction.	Coordinate sampling, testing and design refinement.	Review performance, quality and final approval details.	Move into production and partner-ready fulfillment.

02 | PURIFICATION PLATFORM

Eight stages. One cleaner air experience.

AVICHE home air purifiers combine layered filtration, adsorption, sterilization and negative-ion purification to address particles, odors and selected household pollutants.

01	**Pre-filter**	Dust, hair, fiber and pet fur
02	**HEPA filter**	PM2.5, pollen, viruses and pet dander
03	**Bamboo antibacterial filter**	Helps prevent bacteria from multiplying on the filter
04	**Activated carbon layer**	Smoke, fumes, VOCs, pet odors and cooking smells
05	**Photocatalyst layer**	Sterilization and formaldehyde removal stated in source catalog
06	**Lysozyme layer**	Sterilization and antibacterial function
07	**UVC sterilization**	Sterilization and disinfection; ozone-free stated in source catalog
08	**Negative ions**	Capture PM1.0, PM0.1 and other fine particles

03 | PRODUCT RANGE

A portfolio for every personal space

From wearable protection to whole-room purification, AVICHE offers a focused range for travel, children, cars, bedrooms, homes and larger commercial environments.

CATEGORY	MODELS	PRIMARY USE
WEARABLE	M1-3.0 / M5 / W3-3.0 / W5	Personal, travel and child-focused air purification
SMART HOME	C5 / C1A / C8 / C10	Bedroom, desktop, household and pet spaces
HIGH-COVERAGE	Y4A / Y10A	Large rooms, offices, schools, clinics and hospitals
IN-CAR	C1	Vehicle cabin air purification

Design language: quiet, compact and purposeful — with a clear focus on measurable purification performance and flexible OEM / ODM cooperation.

CLASSIC MODEL

M1-3.0

WEARABLE AIR PURIFIER

A best-selling personal purifier designed to sit comfortably around the neck for cleaner air at home, at work or while travelling.



CORE FEATURES

- ≥100 million pcs/cm³ output
- 160–180 hours in low gear
- 1 m³ fresh-air coverage
- 99.9% pollutant removal stated
- Compact 50 g form
- Classic model

KEY SPECIFICATIONS

SPECIFICATION	DETAIL
Purification output	≥100 million pcs/cm³ (output)
Recharge time	6–7 hours
Work time	160–180 hours (low gear)
Rated power	<1W
Battery capacity	650mAh
Weight	50g
Product size	80 × 37 × 24mm

FLAGSHIP MODEL

M5

WEARABLE AIR PURIFIER

A flagship wearable platform with high / low gear switching and extended runtime for personal air care on the move.



CORE FEATURES

- ≥120 million pcs/cm³ high gear
- 160–180 hours low gear
- 60–65 hours high gear
- High / low gear switch
- 900mAh battery
- 48 g lightweight body

KEY SPECIFICATIONS

SPECIFICATION	DETAIL
Purification output	≥120 million pcs/cm³ high gear; ≥100 million pcs/cm³ low gear
Recharge time	3–3.5 hours
Work time	160–180 hours low gear; 60–65 hours high gear
Rated power	<1W
Battery capacity	900mAh
Weight	48g
Product size	85 × 40 × 23mm

FOR KIDS

W3-3.0

WEARABLE AIR PURIFIER

A child-focused wearable purifier with a lightweight 39 g body, carbon brush design and multi-color customization options stated in the source catalog.



CORE FEATURES

- >80 million pcs/cm³ output
- Designed for children
- 39 g lightweight body
- Chemical-free positioning
- Multi-color optional
- Easy to wear

KEY SPECIFICATIONS

SPECIFICATION	DETAIL
Purification output	>80 million pcs/cm³ (output)
Recharge time	2–3 hours
Work time	20–25 hours
Rated power	<1W
Battery capacity	350mAh
Weight	39g
Product size	50 × 30 × 59mm

NEW ARRIVAL

W5

WEARABLE AIR PURIFIER

AVICHE's lightest wearable purifier, designed for personal spaces during flights, train journeys, car rides and daily travel.



CORE FEATURES

- >100 million pcs/cm³ high gear
- >80 million pcs/cm³ low gear
- 32 g lightweight body
- High / low gear switch
- Quiet wearable design
- 1 m³ fresh-air coverage

KEY SPECIFICATIONS

SPECIFICATION	DETAIL
Purification output	>100 million pcs/cm³ high gear; >80 million pcs/cm³ low gear
Recharge time	2–3 hours
Work time	30–35 hours low gear; 20–25 hours high gear
Rated power	<1W
Battery capacity	350mAh
Weight	32g
Product size	81 × 28 × 24mm

03 | HOME AIR PURIFIER

Nine stages. One pure air experience.

AVICHE all home air purifiers use the strongest air filtration system on the market. The multi-stage active filtration system consists of 9 stages purification to let users breathe fresh and healthy air.

01	Pre-Filter	Dust, hair, fiber, pet fur
02	HEPA Filter	PM2.5, pollen, viruses, pet dander
03	Antibacterial Filter	Prevent bacteria from multiplying on the filter
04	Activated Carbon Layer	Smoke, fumes, VOCs, pet odors, cooking smells
05	Photocatalyst Layer Filter	Sterilize and remove Formaldehyde
06	Lysozyme Layer	Sterilization and antibacterial function
07	Nano Silver Layer	Kill common bacteria such as Escherichia coli
08	UVC Sterilization	Sterilization and disinfection; Ozone free
09	Negative Ions Purification	Capture PM1.0, PM0.1 and other fine particles

SMART SERIES

C5

SMART AIR PURIFIER

A connected 9-stage air purifier that monitors room air and supports app, voice and remote control for responsive daily use.



CORE FEATURES

- 9-stage purification system
- App / voice / remote control
- Up to 50 m^2 applicable area
- 420 m^3/h PM2.5 CADR
- Two internal UVC lamps
- >99.9% sterilization rate stated

KEY SPECIFICATIONS

SPECIFICATION	DETAIL
Power supply	100V–240V ~ 50Hz/60Hz
Input power	50W
CADR PM2.5	420m^3/h
CADR HCHO	100m^3/h
Intelligent control	Tuya Smart APP
Noise	32–63dB(A)
Product size	275mm (DIA) × 542mm (H)

NEW UPGRADE

Y4A

SUPER AIR PURIFIER

A high-capacity platform for larger rooms, combining UV air sanitization, independent control terminal and patented fullerene negative ions.



CORE FEATURES

- 569.5 m^3/h PM CADR
- Designed for up to 100 m^2
- UV light air sanitizer
- Independent control terminal
- APP control
- >99.9% sterilization rate stated

KEY SPECIFICATIONS

SPECIFICATION	DETAIL
Power supply	AC220V–50/60Hz
Input power	79W
CADR PM	569.5m^3/h
CADR HCHO	162.2m^3/h
Noise	<60dB
Net weight	9.1kg
Product size	312.5(φ) × 644(H)mm

NEW UPGRADE

Y10A

SUPER AIR PURIFIER

An upgraded high-efficiency platform for villas, offices, schools, dental clinics and hospitals, with air-quality diagnosis through an independent terminal.



CORE FEATURES

- 670 m^3/h PM CADR
- Designed for up to 150 m^2
- UV light air sanitizer
- Independent control terminal
- APP control
- Patented fullerene negative ions

KEY SPECIFICATIONS

SPECIFICATION	DETAIL
Power supply	AC220V–50/60Hz
Input power	79W
CADR PM	670m^3/h
CADR HCHO	226m^3/h
Noise	<60dB
Net weight	11.2kg
Product size	312.5(φ) × 857(H)mm

CAR USE

C1

CAR AIR PURIFIER

A compact cabin purifier and deodorizer with 3-stage filtration, intelligent regulation and rapid purification for more comfortable driving.



CORE FEATURES

- Negative-ion purification
- 3-side inlet
- Intelligent regulation
- Rapid purification
- App remote control
- 3.15–5.4 m^2 applicable space

KEY SPECIFICATIONS

SPECIFICATION	DETAIL
Power supply	12V
Wattage	7W
CADR PM2.5	45m^3/h
CADR HCHO	19.3m^3/h
Negative ions	5 million pcs/cm^3
Noise	<50dB(A)
Size	130 × 130 × 340mm

NEW MODEL

C1A

DESKTOP AIR PURIFIER

A compact desktop purifier for home, office and bedroom use, with a 3-in-1 composite filter, low noise and rapid purification.



CORE FEATURES

- Negative-ion purification
- Multi-layer filtration system
- Low noise 15–50dB
- CADR 100m³/h
- App remote control
- Air-quality indicator

KEY SPECIFICATIONS

SPECIFICATION	DETAIL
Power supply	DC24V
Wattage	9W
Applicable space	7–12m²
CADR PM2.5	100m³/h
CADR HCHO	25m³/h
Negative ions	5 million pcs/cm³
Size	192mm (DIA) × 235mm (H)

04 | AIR QUALITY MONITOR

Real-time environment tracking.

AVICHE indoor air quality monitors combine high-precision sensors with backlit screens for continuous tracking of fine particles, carbon dioxide, temperature, humidity and household organic vapors.

01	PM2.5 Particle Sensing	Accurate laser sensor for fine respirable dust tracking
02	Carbon Dioxide (CO2)	Nondispersive infrared sensor for essential ventilation monitoring
03	Formaldehyde (HCHO)	Electrochemical sensing for paints and furniture off-gassing
04	TVOC Concentration	Total volatile organic compounds tracking in real-time
05	Ambient Temperature	Thermal comfort tracking in living and office areas
06	Relative Humidity	Essential moisture measurement for healthy breathing spaces

CLASSIC MONITOR

H1-H3

INDOOR AIR QUALITY MONITOR

A high-precision, portable indoor air monitor featuring a triple-sensor system, color air quality indicator bar, and a backlit screen for continuous health tracking.



CORE FEATURES

- Real-time PM2.5 tracking
- Triple-sensor system (H3)
- Color indicator bar
- 1000mAh rechargeable battery
- Clear backlit screen
- Compact 150g body

KEY SPECIFICATIONS

SPECIFICATION	DETAIL
Product model	H1 / H2 / H3
Type	Indoor air quality monitor
Power supply	USB power line (Type-C)
Battery capacity	1000mAh
PM2.5 range	0-999 ug/m³
PM10 range	0-999 ug/m³
Formaldehyde range	0-1.999 mg/m³ (H3 only)
TVOC range	0-9.999 mg/m³ (H3 only)
Net weight	about 150g
Size	82 × 82 × 31 mm

DESK MONITOR

H7

DESK AIR QUALITY MONITOR

A comprehensive multi-functional desk monitor that measures carbon dioxide (CO2), organic gases (TVOC), formaldehyde, and ambient temperature/humidity for home and office safety.



CORE FEATURES

- Multi-functional monitoring
- Real-time CO2 detection
- Accurate TVOC/HCHO sensors
- Backlit large LCD screen
- Temp & Humidity display
- Portable 165g body

KEY SPECIFICATIONS

SPECIFICATION	DETAIL
Product model	H7
Type	Desk air quality monitor
Power supply	USB power line (Type-C)
Battery capacity	1200mAh
CO2 range	400-5000 ppm
TVOC range	0-9.999 mg/m³
HCHO range	0-1.999 mg/m³
Net weight	165g
Size	90 × 70 × 35 mm

05 | BLOOD PRESSURE MONITOR

Smart pressurization. Certified accuracy.

AVICHE upper arm blood pressure monitors integrate advanced pulse oscillometric tech with voice prompts and multi-color backlight screens to deliver clinic-grade accuracy and easy recording for dual users.

01	Intelligent Pressurization
02	WHO Classification Warn
03	3-Color Backlight Screen
04	Double User Memory
05	Multiple Power Methods
06	Adjustable Extended Cuff

RECHARGEABLE SERIES

HD10

BLOOD PRESSURE MONITOR

An advanced home blood pressure monitor featuring a 3-color backlit large screen, voice broadcast, adjustable extended cuff, and an environmentally friendly rechargeable lithium battery.



CORE FEATURES

- 3-color Backlit Screen
- Advanced Accuracy Tech
- Adjustable Extended Cuff
- Voice Broadcast results
- Lithium Battery build
- 2x90 Recording Memories

KEY SPECIFICATIONS

SPECIFICATION	DETAIL
Product model	HD10 (Lithium)
Type	Upper Arm blood pressure monitor
Power supply	Rechargeable Lithium Battery / Type-C
Measuring Method	Oscillometric method
Measure Range	Pressure: 0-299 mmHg | Pulse: 40-199 bpm
Accuracy	Pressure: ±3 mmHg | Pulse: ±5% of reading
Pressure sensor	Semiconductor
Memory groups	2 groups, each group has 90 readings
Cuff circumference	22-36cm or 22-42cm (optional)
Device weight	About 225g
Overall dimension	126 × 97 × 65 mm

RECHARGEABLE FLAGSHIP

HD20

BLOOD PRESSURE MONITOR

A premium one-touch blood pressure monitor designed for speed and convenience, featuring a backlit screen, intelligent voice broadcast, and irregular heartbeat detection.



CORE FEATURES

- HD Backlight Screen
- One Touch Operation
- Voice Broadcast results
- Adjustable Extended Cuff
- Irregular Heartbeat symbol
- 2x90 Recording Memories

KEY SPECIFICATIONS

SPECIFICATION	DETAIL
Product model	HD20 (Lithium)
Type	Upper Arm blood pressure monitor
Power supply	Rechargeable Lithium Battery / Type-C
Measuring Method	Oscillometric method
Measure Range	Pressure: 0-299 mmHg | Pulse: 40-199 bpm
Accuracy	Pressure: ±3 mmHg | Pulse: ±5% of reading
Pressure sensor	Semiconductor
Memory groups	2 groups, each group has 90 readings
Cuff circumference	22-42cm
Device weight	About 205g
Overall dimension	123 × 95 × 54 mm

CLASSIC BATTERY

HD10

BLOOD PRESSURE MONITOR

A classic, dependable tabletop blood pressure monitor equipped with imported Japanese processing chips, backlit large screen, dual-user tracking, and robust AA-battery power.



CORE FEATURES

- One Touch Operation
- Imported Japanese Chips
- Adjustable Extended Cuff
- Voice Broadcast prompts
- Backlit Large Screen
- 2x60 Recording Memories

KEY SPECIFICATIONS

SPECIFICATION	DETAIL
Product model	HD10 (Classic)
Type	Upper Arm blood pressure monitor
Power supply	4 'AA' dry cells / USB Type-C
Measuring Method	Oscillometric method
Measure Range	Pressure: 0-299 mmHg | Pulse: 40-199 bpm
Accuracy	Pressure: ±3 mmHg | Pulse: ±5% of reading
Pressure sensor	Semiconductor
Memory groups	2 groups, each group has 60 readings
Cuff circumference	22-42cm
Device weight	About 279g
Overall dimension	135 × 110 × 80 mm

UPGRADE BATTERY

HD20

BLOOD PRESSURE MONITOR

An elegantly designed blood pressure monitor built with an integral molding process, featuring irregular heartbeat alert, comfortable extended cuff, and intelligent voice broadcast.



CORE FEATURES

- One Touch Operation
- Integral Molding Process
- Voice Broadcast prompts
- Adjustable Extended Cuff
- Irregular Heartbeat alert
- 2x60 Recording Memories

KEY SPECIFICATIONS

SPECIFICATION	DETAIL
Product model	HD20 (Classic)
Type	Upper Arm blood pressure monitor
Power supply	4 'AA' dry cells / USB Type-C
Measuring Method	Oscillometric method
Measure Range	Pressure: 0-299 mmHg | Pulse: 40-199 bpm
Accuracy	Pressure: ±3 mmHg | Pulse: ±5% of reading
Pressure sensor	Semiconductor
Memory groups	2 groups, each group has 60 readings
Cuff circumference	22-42cm
Device weight	About 279g (without cells)
Overall dimension	135 × 110 × 80 mm

06 | RESPIRATORY CARE

Medical grade therapy. Safe & reliable.

AVICHE respiratory solutions combine professional medical oxygen concentrators and clinical compressor nebulizers. Engineered for high performance, quietness and simple household operation.

01	High Oxygen Purity	
02	Precise Flow Adjustment	
03	Dual System Platform	
04	Oil-Free Compressor	
05	Micron Atomization	
06	Smart LCD Touch Screen	Big digital display, smart timer control and anion air-cleaning features built-in

1L COMPACT

A15

MEDICAL OXYGEN CONCENTRATOR

A professional, compact 1 L medical oxygen concentrator featuring dual oxygen and nebulizer ports, high purity output, precise 0.1 L micro-adjustment, and responsive LED touch control.



CORE FEATURES

- Oxygen Purity >90% (V/V)
- 0.1L Precise Flow Control
- High Performance Compressor
- Small Size and Portable
- LED Touch Screen display
- Dual system Concentrator

KEY SPECIFICATIONS

SPECIFICATION	DETAIL
Product model	A15 (1L)
Type	Medical Oxygen Concentrator
Power supply	AC220-240V 50Hz (130W)
Oxygen Concentration	90% (V/V) at rated flow
Oxygen Flow Range	1.0-3.0 L/min
Anion purification	10 million pcs/cm³
Noise (concentrating)	<50dB
Raw Material	Premium Medical ABS
Net weight	9.1kg
Dimension	302 × 278 × 375 mm
Remote Control Range	Up to 6 meters

2L ADJUSTABLE

A25

MEDICAL OXYGEN CONCENTRATOR

An adjustable 2 L oxygen concentrator powered by a heavy-duty copper oil-free double-cylinder compressor. Combines low energy consumption with high sieve efficiency and anion air purification.



CORE FEATURES

- Oxygen Purity >90% (V/V)
- 0.1L Precise Flow Control
- High Precision Compressor
- Large LCD Touch Display
- High-efficiency Lithium Sieve
- Dual system Concentrator

KEY SPECIFICATIONS

SPECIFICATION	DETAIL
Product model	A25 (2L)
Type	Medical Oxygen Concentrator
Power supply	AC220V 50Hz (160W)
Oxygen Concentration	90% (V/V) at rated flow
Oxygen Flow Range	1.0-5.0 L/min
Anion purification	10 million pcs/cm³
Noise (concentrating)	50dB
Raw Material	Premium Medical ABS
Net weight	9.1kg
Dimension	302 × 278 × 375 mm
Remote Control Range	Up to 6 meters

3L ULTRA QUIET

A35

MEDICAL OXYGEN CONCENTRATOR

A clinic-grade 3 L oxygen concentrator engineered for maximum purity (93%±3%) and ultra-quiet home therapy, built with high-efficiency sieves and a safe double-pressure outlet design.



CORE FEATURES

- Oxygen Purity 93% ± 3%
- 0.1L Precise Flow Control
- Oil-free Dual Compressor
- Large Digital LCD Display
- Ultra Quiet <45dB Build
- Dual system Concentrator

KEY SPECIFICATIONS

SPECIFICATION	DETAIL
Product model	A35 (3L)
Type	Medical Oxygen Concentrator
Power supply	AC220V 50Hz (240VA)
Oxygen Concentration	93% ± 3% (V/V) at rated flow
Oxygen Flow Range	1.0-5.0 L/min
Noise (concentrating)	<45dB
Maximum Outlet Pressure	15kPa ± 5kPa
Raw Material	Premium Medical ABS
Net weight	12.3kg
Dimension	290 × 293 × 449 mm
Operating environment	Temperature: 5-40°C | Humidity: <=80%

PEDIATRIC NEBULIZER

AH-C10

MEDICAL COMPRESSOR NEBULIZER

A child-friendly, tabletop compressor nebulizer styled as a cute animal. Extremely lightweight at 2.4 lbs, delivering highly-dispersed medicine particles (3 ?m) directly into deep airways.



CORE FEATURES

- Atomization Rate >0.25 mL/min
- Cute Kid-friendly Shape
- Optimum Drug Absorption
- Micron Atomization (3 um)
- Tabletop only 2.4 lbs body
- Adjustable Atomization rate

KEY SPECIFICATIONS

SPECIFICATION	DETAIL
Product model	AH-C10
Type	Compressor nebulizer (Pediatric)
Power supply	AC200-240V 50Hz 120VA
Nebulization Rate	Approx. 0.25 mL/min
Particle Size (MMAD)	Approx. 3 ·m (EN13544-1)
Medication Cup Capacity	8 mL (cc) maximum
Medication Quantities	2 mL - 8 mL (cc)
Operating Condition	30 min. ON / 30 min. OFF
Weight (compressor)	1.1kg
Dimensions	190 × 110 × 130 mm
Contents included	Compressor, Nebulizer, Tube, Mouthpiece, Filters

TABLETOP NEBULIZER

AH-C12

MEDICAL COMPRESSOR NEBULIZER

A convenient tabletop compressor nebulizer that is twice as light as standard medical compressors, generating extremely fine particles (3 ?m) for deep pulmonary medication absorption.



CORE FEATURES

- Micron Atomization (3 um)
- Fast, efficient operation
- Optimum Drug Absorption
- Affordable tabletop design
- Lightweight compact body
- Grid Cooling Design grid

KEY SPECIFICATIONS

SPECIFICATION	DETAIL
Product model	AH-C12
Type	Compressor nebulizer (Tabletop)
Power supply	AC200-240V 50Hz 120VA
Nebulization Rate	Approx. 0.25 mL/min
Particle Size (MMAD)	Approx. 3 ·m (EN13544-1)
Medication Cup Capacity	8 mL (cc) maximum
Medication Quantities	2 mL - 8 mL (cc)
Operating Condition	30 min. ON / 30 min. OFF
Weight (compressor)	1.3kg
Dimensions	175 × 175 × 100 mm
Contents included	Compressor, Nebulizer, Tube, Mouthpiece, Filters

04 | PARTNER WITH AVICHE

Bring better life to more people.

From wearable devices to high-capacity home platforms, AVICHE combines product development, manufacturing and service to support global home health partners.

OEM / ODM	GLOBAL CONTACT
Flexible product development and manufacturing cooperation for brands, distributors and retailers.	info@aviche.com www.aviche.cn AVICHE Shandong Medical Technology Co., Ltd.

Transform aviation technology. Care for human health.