

AIPER®

The leading brand in the smart-yard ecosystem



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Item Proposal

Aiper Scuba N1600

November 2024

Aiper Scuba N1600





Aiper Scuba N1600

AIPER®

Ideal Pool Types

- In-ground Pools

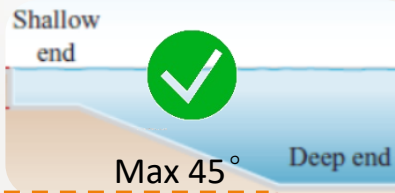
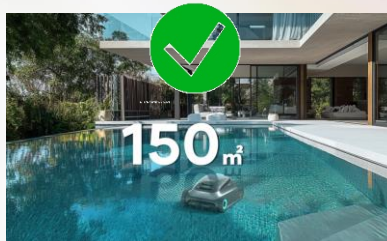


Pool Size

150m²
(15m)

Slope and Wall Cleaning

- Slope up to 45° (Floor Mode);
- Floor/Walls/Waterline
- Scheduled Cleaning



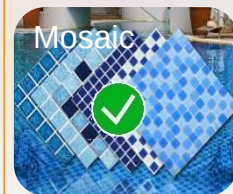
Pool Surface Material



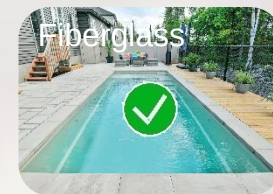
Vinyl (Liner)



Concrete



Mosaic



Fiberglass



Pebble



Glass

Scenarios

Ideal for IG pools

Floor, Walls, Waterline

Fiberglass, PVC, Concrete, Pebble,
Ethylene Vinyl Acetate (EVA),
Mosaic, **Glass**

Floor Mode up to 45° Slope

150m²
15m in length



Performance

Upgraded Suction 15 m³/h

Better Environment Adaptability

Active PVC Roller

Tri-Motor System
2x Drive + 1x Pump

WavePath™ Intelligent Path Planning

Multiple Cleaning Modes: Floor/Wall/Auto/Eco

3-micron Ultra-fine Filtration

150 Minutes Battery Life

Ease of Use

One-click Activation

Easy-to-Access
Top Load 3.1L Filter Basket

Quick Water Release

Lightweight 6.5kg only

Scheduled Cleaning

Detachable Drainage Cover –
easier maintenance

4 Different LED Error Indication –
easier trouble shooting

Key Features

AIPER®



Replaceable MicroMesh™ Ultra-fine Filter

This MicroMesh™ Ultra-fine filter ensures all impurities, including tiny sand and dust particles, are effectively captured in the dust chamber, preventing clogs and maintaining long-lasting cleaning efficiency.

Better Environmental Adaptability

Compatible with more pool surfaces, capable of operating on slopes up to 45 degrees.

The track system offers enhanced mobility and obstacle-crossing capability.



WavePath™ 2.0 Navigation Technology

Leveraging cutting-edge technology, WavePath™ 2.0 intelligently assesses the robot's position in the pool, selecting optimal cleaning paths to deliver a thorough and effective clean across all pool surfaces.

Periodic Cleaning

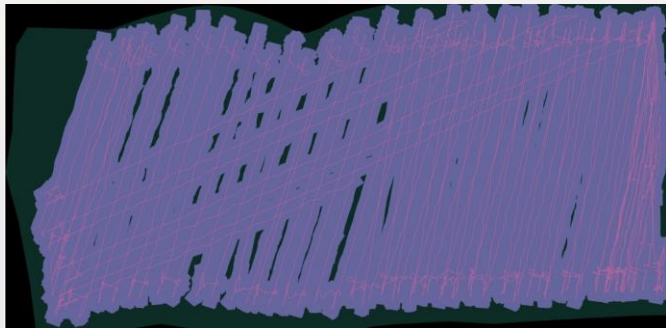
Your Aiper device will clean for 45 minutes every 48 hours before entering low power mode, keeping your pool clean throughout the week, so when the weekend arrives, your pool is swim-ready.



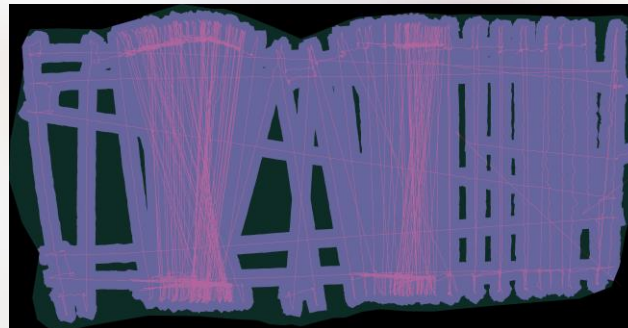
Competitive Landscape

	Test Items	Aiper Scuba N1600	Wybot C1	Seauto SEAL SE/ Niya Sonar 30
Cleaning Performance	Large Particles CE (1cm Pebbles)	99% 	99%	97%
	Overall Cleaning (Leaves)	87% 	87% 	70% 
Mobility	Applicable Pool Materials	Fiberglass, PVC, Concrete, Stone, Ethylene Vinyl Acetate (EVA), Mosaic, Glass 	Cannot climb glass 	Cannot climb mosaic walls 
	Climbing Ability in Sloping Area	- Can climb slopes of 45°  - Can descend slopes of 30° without lifting	- Slopes above 20°: Unable to climb will instead reverse  - Descending: Will float down	Slopes above 15°: The machine will reverse when trying to climb 
	Wall Climbing Ability	Can climb walls normally.	Can climb walls normally.	the machine will trigger on 90° slopes, making wall climbing difficult 

Pool Coverage



N1600: 82% (TBD)



WYBOT C1: 62%

* The coverage rate was tested after running for 60 minutes in a 5m*8m flat-bottomed curved-edge swimming pool.

Competitive Landscape



Indicator category	Indicator subcategory	Aiper Scuba N1600	Aiper Scuba S1/N1 - 2025	Wybot C1	Seauto SEAL SE/Niya Sonar 30
Basic parameters	Size	44.3*36*21.5cm	44.5*39.0*22.2cm	36*39*26cm	43*40*24mm
	Weight	6.5Kg (TBD)	7.5Kg	8kg	8.9Kg
Functionality	Applicable pool materials	Fiberglass, PVC, concrete, stone, ethylene vinyl acetate (EVA), mosaic, glass	Fiberglass, PVC, concrete, stone, ethylene vinyl acetate (EVA), mosaic, glass	Not compatible with glass	Not compatible with mosaic
	Ultra-fine Filter	√	√	/	/
	Maximum filter capacity	3.1L	3.5L	4.4L	3.3L
	Slope Climbing Ability	45°	45°	20°	15°
Cleaning power	Large Particles CE (1cm Pebbles)	99%	100%	99%	97%
	Overall Cleaning (Leaves)	87%	90%	87%	70%
Battery life	Battery life (max, actual measurement)	150 min	150 min	135 min	160 min
Intelligence	Environmental adaptability	Climbing stairs, climbing a 45° slope	Climbing stairs, climbing a 45° slope	Climbing stairs, climbing a 20° slope	climbing a 15° slope
	Effective overall coverage rate (per unit of time)	82% (TBD)	82%	62%	82%
	Single coverage area (maximum, as advertised)	150m²	180m²	150m²	TBD
Interactivity	Lighting	Status light + Mode light	Status light + Mode light	Status light	Status light
	APP	X	√	√	√

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Thank You.

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