



NOVA

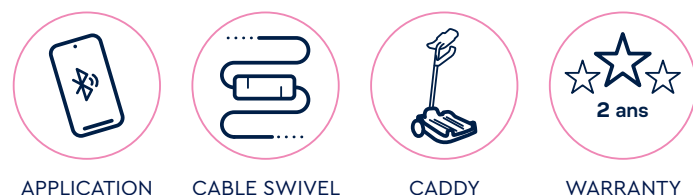
ROBOTIC COMMERCIAL POOL CLEANERS

Introducing **the next-generation** commercial pool cleaner, engineered for **outstanding cleaning performance in all types of pools**, including beach-entry designs.

Equipped with **smart technology, powerful vortex suction, and ultra-fine 4D filtration**, it ensures crystal-clear water with minimal maintenance.

Its gyroscopic navigation and durable design deliver full and efficient pool coverage—even on steep slopes.

This robot is a powerhouse of innovation, designed for flawless cleanliness and an effortless user experience.



Technical data

NOVA

| | |
|------------------------------|--|
| Recommended pools Size | < 1185 ft² / 50 ft, Any shape, No Tiles |
| Cleaning options | Floor, Wall & Waterline |
| Brushes | 4 PVC brushes |
| Platform | Dual drive Single pump, Breezer Technology |
| Cable length | 75ft, 4wires |
| Filter access | Easy clean Transparent view |
| Filter resolution | 4D Hyperfine, Dual cassettes |
| Filter indication | ✓ |
| Cleaning options | 3F / 3FW / 1FW + 2F |
| Suction flow | 5K Galons/h (19 m3/hour) |
| Computing Software Algorithm | AquaSmart touch + Zero entry sensor |
| Computing | Gyro, Accelerometer, SW sensors |
| Power Supply (transformer) | Jupiter Bluetooth, <150 Watt |
| External timer capability | Yes, Also external WiFi |
| Delay time | 1 - 9 hours |
| Scheduling | Yes - Intervals |
| Décor LED | 48 high lumen Blue color |
| Remote control | NOVA RC App |
| Warranty | 2 Years |
| Transport/Storage | CART BK |
| Dimensions | 17.7(w) x 14(d) x 10(h) Inch |
| Weight | 12.5 lbs |

+ Products

- ⊕ **Bi-directional continuous cleaning:**
Non stop performance.
- ⊕ **Powerful Vortex suction with adjustable nozzles:** Captures even the finest debris.
- ⊕ **4D Hyperfine filtration:**
High-capacity filters, hands-free cleaning, easy access.
- ⊕ **Gyro & AquaSmart® Touch technology:**
Smart, autonomous navigation.
- ⊕ **Underwater LED decoration:**
Clean with style.
- ⊕ **Beach-entry pool compatible:**
Exclusive sensing algorithm.
- ⊕ **Breezer motor block:**
Belt-free durability, low maintenance.
- ⊕ **Easy diagnostics:**
Single-block replacement system.

Powerful technology

for crystal-clear water

Dual-Drive Bi-Directional Cleaning

- Symmetrical and robust design enables continuous forward and backward cleaning motion.
- Non-stop suction ensures maximum debris collection with no loss of performance.

High-Efficiency Suction System

- **Adjustable Intake Nozzles:** Fine-tune nozzle height for optimal floor proximity.
- **Vortex Power:** Enhanced suction capacity—up to 200% stronger—to capture even ultra-light debris.
- **Vertical Injection:** Promotes better water mixing and faster debris capture.

4D Hyperfine Filtration System

- Dual independent filters (430 cm² each) for maximum filtration capacity.
- Ultra-fine microfiber loops trap the smallest microparticles.
- **ClearView™ Panel** for easy inspection.
- **180° Top Access Opening:** Clean hands, no direct contact with dirt.
- **Strong Seal System:** Filter basket locks securely into place.
- Processes over **15,000 gallons (57,000 liters)** per 3-hour cycle with a suction rate of **5,000 GPH (19 m³/h)**.
- Results in cleaner, healthier water with reduced chemical usage.

Advanced Navigation & Control

- **Gyro Inside:** Real-time orientation and movement correction.
- **Aquasmart® Touch Algorithm:**
 - » Actively scans and learns pool geometry.
 - » Optimized route mapping.
 - » Tangle-free operation with adaptive turn correction.
 - » Smart rescue mode in challenging situations.
 - » Adaptive speed and suction on slopes.

Breezer™ Technology – Drive & Motor Block

- 2 powerful drive motors + 1 suction pump in a single sealed unit.
- **Belt-free transmission** using a robust cogwheel system:
 - » Torque-resistant
 - » Durable on steep inclines
 - » Maintenance-free
- **Easy Diagnostics:** Entire motor block can be replaced in one piece.

Ergonomic & Adaptive Handle

- Adjustable handle design for easy transport and improved pool coverage.
- Diagonal handle position expands cleaning range.
- Works in tandem with Aquasmart® to guarantee complete coverage, regardless of handle orientation.

Underwater LED Lighting

- Two high-lumen pink LED strips (48 LEDs each).
- Decorative and functional: LEDs flash in sync with suction power.
- Enhances pool ambiance during cleaning.

Timer Compatibility

- External timer connection supported for scheduled cleanings.

Beach Entry & Zero-Entry Pool Compatibility

- Embedded smart sensing algorithm prevents robot from exiting pool on gradual slopes or beach entries.

Control Box Compatibility – Smart Power Management

This pool robot is fully compatible with a new-generation smart control box, designed to optimize energy use and simplify daily operation. With an average power consumption of only ~70W (max 120W), the power supply combines efficiency, compact design, and long-term reliability.

Once the cleaning cycle is complete, the system automatically powers down and enters standby mode, reducing energy usage and ensuring the robot is ready for the next cycle without manual intervention. A 4-mode LED indicator provides clear status information at a glance.

This smart functionality ensures safe operation, protects the system, and offers plug & play ease of use for all users, even in demanding commercial environments.

