

NARWAL

Reviewer Guide

FLOW

Deep Clean, All In One Flow



FLOW

DEEP CLEAN, ALL IN ONE FLOW

Narwal's ultimate answer to cleaning

Traditionally,

maintaining truly clean floors required juggling three tools: a standard vacuum for dust, a robot vacuum for daily upkeep, and a wet/dry vacuum for spills and deep cleans. This meant significant storage space, the hassle of switching devices, and valuable personal time spent managing it all, often for lackluster results.

To solve this core challenge, Narwal meticulously developed the Flow.

This advanced robot cleaner replaces all three products with a single, intelligent system. It seamlessly integrates into your home, operating silently yet delivering meticulously detailed cleaning. The Flow tackles everyday dust, debris, and spills with high precision, effortlessly maintaining spotless floors. Free yourself from the clutter of redundant tools and the burden of constant cleaning.

The Narwal Flow empowers effortless living, letting your time and space flow uninterrupted.



The Narwal CleanFlow Philosophy

Where Precision Meets Purpose

How three integrated flows prioritize tailored efficiency and meticulous results over raw specs. Because true cleanliness is measured in lived-in moments, not decibels or Pascals.

Mopping FLOW

Track Mop

- 16x larger coverage area
- 12 N constant downward pressure
- Edge-Reach adaptive mop extension

FlowWash Mopping System

- 16 water nozzles with anti-clogging design
- 45°C hot water mopping
- Build-in scraper
- 120 ml dirty water tank

Self-Cleaning

- Dirty water tank build-up cleaning module
- Scraper self-cleaning
- Adaptive hot water mop washing
- 80°C full-cycle hot water self-cleaning

Vacuuming FLOW

CarpetFocus

- Adaptive pressurizing plate to:
 1. Effectively reduce air leakage
 2. Penetrate deeply into carpet fibers

DualFlow Tangle-Free System

- 0% Tangles patented floating roller brush
- Anti-tangle side brushes
- Lateral suction port design

Powerful Suction Module

- 22,000 Pa powerful suction
- 99% particle removal
- Intelligent particle detection

Intelligent FLOW

NarMind™ Pro

- 2x RGB Cameras with 136° FOV
- CPU with 10 TOPS computing power
- 200+ Objects Recognized

Fluid Adaptability

- 4 cm obstacle climbing
- 95 mm ultra thin body
- Dynamic edge & corner cleaning
- DirtSense™ Technology

Mindful Ease

- Free Mind Mode 4.0
- Hey Nawa Voice Assistant
- Support Matter Smart Living
- Ultra-thin, maintenance free dock station

Mopping FLOW



Mopping Flow exists for one uncompromising purpose: to eradicate wet messes completely, effortlessly, and hygienically. A revolutionary system where **self-renewing water** and **deep scrubbing** dissolve spills hygienically. Fresh hot water cleans while dirty water is instantly contained—no smears, no cross-contamination. This closed-loop purity renews itself autonomously, transforming floors without interventions.

NEW

Mopping FLOW

Track Mop, The Narwal Way.

A Breakthrough That Redefines What Robotic Mopping Can Achieve



12N↓

NEW

Track Mop



- ✓ 16x larger coverage area
- ✓ 12 N downward pressure
- ✓ Edge-Reach mop extension
- ✓ 4 millimeter-edge cleaning

Every Inch, Every Stain

Narwal's Track Mop revolutionizes floor cleaning with engineered excellence. Its **16x** larger coverage area ensures complete surface contact, while delivering a powerful scrubbing action. The system maintains **12 N** constant downward pressure for deep cleaning performance, and the **Edge-Reach** adaptive mop extension guarantees full edge-to-edge coverage. Together, these features create an unmatched cleaning system that leaves no spot untouched.

NEW

Mopping FLOW

FlowWash Mopping System

Uninterrupted Cleaning Without Cross-Contamination



NEW

FlowWash



- ✓ 16 water nozzles
- ✓ Anti-clogging design
- ✓ 45° degrees hot water mopping
- ✓ Build-in scraper
- ✓ 120 ml dirty water tank

Pure Cleaning, Zero Contamination

The innovative FlowWash mopping system ensures every mopping session begins with a fresh, clean mop. **Sixteen** strategically placed water nozzles with **anti-clogging design** distribute water evenly, while **45°C hot water** effectively breaks down tough stains. A **built-in scraper** continuously removes dirty water from the mop surface, which is then collected in the **120 ml wastewater tank**. This closed-loop cleaning process maintains optimal mopping performance throughout every cycle, delivering consistently superior results without any user intervention.

NEW

Mopping FLOW

Self-Cleaning

Eliminating Cross-Contamination At The Source



NEW

Dirty water tank build-up cleaning module

Motor-powered stirring design

NEW

Scraper self-cleaning cycle

High-pressure water cleaning to ensure zero dirt residue



Adaptive Hot Water
Mop Cleaning



Hot Air
Mop Drying



80°C Degrees
Full-Cycle Self-Cleaning

Complete Self-Cleaning System

When returning to base, the robot initiates a **full self-cleaning cycle**. The station pumps high-pressure hot water into the dirty tank while a turbo motor creates a powerful vortex, scrubbing all interior surfaces. Simultaneously, this pressurized water flushes the scraper clean. The mop then undergoes bidirectional rotation cleaning before hot-air drying. This integrated process thoroughly refreshes every component - tank, scraper and mop - with zero user intervention.

The system maintains complete hygiene throughout the water flow path, ensuring each new cleaning cycle begins with optimal conditions.

Vacuuming FLOW



Vacuuming Flow conquers dry debris and carpets with silent certainty: a revolutionary system where **deep fiber penetration** and self-cleaning brushes lift embedded dirt hygienically. **Powerful suction** captures dust while **tangle-free engineering** instantly contains messes—no escapes, no clogs.

This closed-loop is where depth is mastered, and cleaning fades into quiet perfection.

NEW

Vacuumping FLOW

CarpetFocus Cleaning

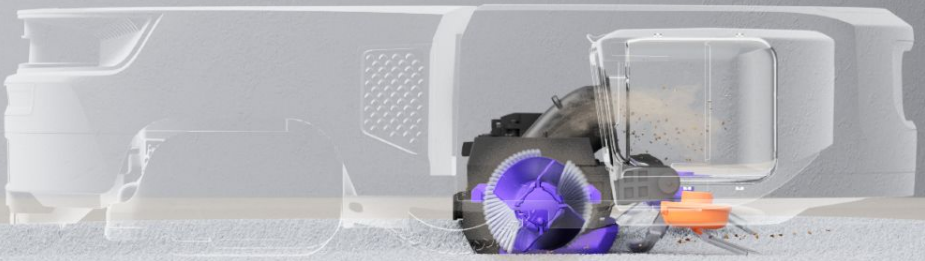
Engineering Airflow Penetration for Deep Carpet Cleaning

The Key to Deep Carpet Cleaning

Pressuring Plate

True carpet cleaning power isn't just about suction—it demands airflow penetration. While competitors focus on raw suction, Narwal engineered a breakthrough solution: our **adaptive pressuring plate**. This innovation solves the core problem others ignore: creating a perfect air-tight seal between the vacuum and carpet fibers. Like manually pressing down during vacuuming, the plate forces airflow deep into the pile's base layer, locking in suction where dust resides. The result? **Twice the deep-cleaning performance where it counts.**

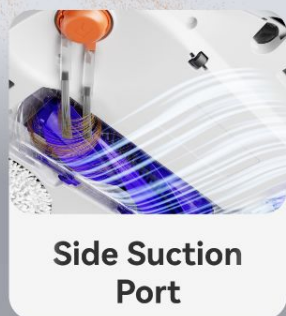
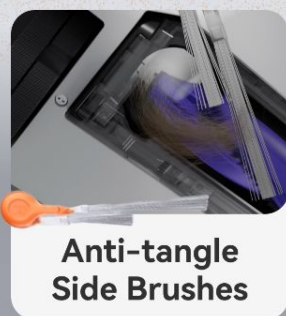
This isn't incremental improvement; it's first-principle thinking. We dissected the physics of carpet cleaning to deliver what truly matters: unprecedented particle removal from the deepest fibers. **The pressuring plate doesn't just add power—it makes every Pascal count.**



Vacuuming **FLOW**

DualFlow Tangle-Free System

How We Solved Robot Vacuum Tangles—A Proven System Users Love



You already know hair tangles plague robot vacuums. **DualFlow**, our beloved, field-tested solution, solves this end-to-end. Its **floating roller brush** actively ejects debris sideways, while the open-ended cantilever design and strategic **side suction port** expel trapped hair.

Even **side brushes** spin backwards, flinging tangles clear. Together, these innovations deliver truly maintenance-free cleaning.

Intelligent FLOW



Intelligent Flow harnesses NarMind™ Pro's AI and hardware upgrades to clean with deliberate purpose: reaching **under obstacles**, **into corners**, and **scaling height variations**. Sensors and processors adapt paths in real-time within an architecture of **extreme privacy**—your data never leaves your home.

This is the closed-loop difference: intelligence that observes, decides, and acts within your walls.

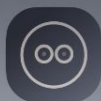
Intelligent FLOW



NarMind™ Pro Autonomous System

NarMind™ Pro's AI reads your space to clean smoothly around objects, avoiding interruptions and eliminating maintenance. This is true independence: precise cleaning that adapts to your home—never disrupting your day

stereo vision system / designed by NARWAL



Dual Camera

3D positioning and recognition



10TOPS

Millions of operations per second



5mm

Ultra-high precision recognition



0.1m-8m

Ultra-long measurement range

Feature	AI-empowered Dual Camera
AI Computing Chip	8-core, 10 TOPS Processor Enabling large-scale spatial data computation (millions of operations)
Cameras	2x HD wide-angle RGB cameras (1600×1200 resolution)
Field of View	136°
3D Depth Mapping	0.1-8m*
3D point cloud sampling density	Achieves 1.5M depth points/sec at high resolution (750x line-structured light)
Minimum perceptible size	5mm accuracy*
Objects Recognized	Recognizes 200+* Objects

Intelligent FLOW

DirtSense Technology

Real-time dirt analysis, adapting cleaning intensity and strategy to target specific needs — ensuring optimal cleaning approaches and hygienic results



Wet Messes: juice, sauces, coffee

Roller brush lifts, repeated mopping — keeping both brushes clean.

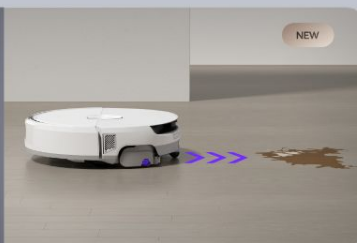


Dry Messes: dust, hair, cat litter

Side brush slows, mop lifts, suction boosts — no flinging, no misses.

Dual-Direction Mopping

When heavy dirt is detected, Flow activates its unique **two-pass cleaning method**, an industry first. It begins with a reverse pass specifically designed to prevent side brush contamination by containing debris. Immediately after, it executes a forward pass to thoroughly remove tough stains. Then automatically repeats washing and mopping cycles until the area is completely spotless.



NEW

Intelligent FLOW

Fluid Adaptability

NarMind Pro's AI now harnesses breakthrough hardware to clean previously unreachable spaces: Its **95 mm** ultra-thin body glides under low furniture, while **4 cm** obstacle climbing conquers floor transitions. Paired with **dynamic edge-corner cleaning** – where adaptive extensions and brush adjustments target crevices – this synergy achieves complete 3D coverage. Every height, obstruction, and tight corner becomes cleanable territory through coordinated intelligence and engineering.



NEW

Intelligent FLOW

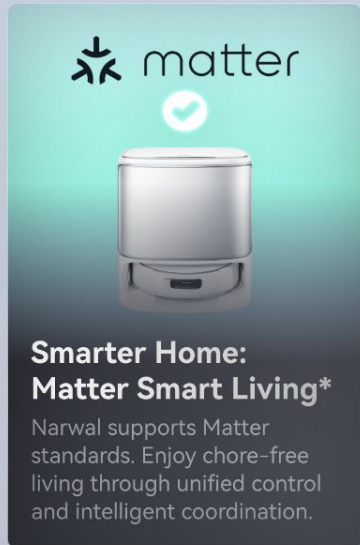
Mindful Ease

Narwal's AI Learns, Voice Obeys, And App Anticipates,
Working In Concert To Handle Cleaning Autonomously



“Hey Nawa” AI Voice Assistant

Say “Hey Nawa” to start cleaning or adjust settings. Supports Alexa, Google Home, and Siri for hands-free control.



Smarter Home: Matter Smart Living*

Narwal supports Matter standards. Enjoy chore-free living through unified control and intelligent coordination.

*Available by the end of 2025

Freo Mind Mode 4.0 delivers truly personalized cleaning: Save custom suction/humidity preferences, enjoy hands-free pet hair removal (auto suction/speed adjustments in pet zones), and experience adaptive dirt response (self-adjusting mop temps + targeted rewashing). It's convenience engineered, automating deep cleaning exactly where and how you need it.

NEW

Intelligent FLOW

All-in-One Dock Station

Continuous Self-Cleaning Banishes Clogs, Neutralizes Odors, And Sustains Silent Running



Self-Emptying
at Dock Station



2.5L Dust Bag
120 Days Autonomy



AI DistSense
for Perfect Hygiene



Auto Dust Emptying
Anti-clog Design



Automatic Dispenser
Detergent



Sterilization Module
Full-Path Antibacterial



80°C Degrees
Full-Cycle Self-Cleaning



Adaptive Hot Water
Mop Cleaning



Hot Air
Mop Drying

Compact Dock Station

At just **28 cm** tall, this compact dock tucks neatly anywhere. Its dedicated **480 ml** detergent tank auto-dispenses solution during cleans — no manual refills, so maintenance vanishes. **Pure convenience, even in tight spaces: set the dock, then forget it.**

NEW



NARWAL FLOW SPECS



Product Name

Narwal Flow – All-in-One Robot Vacuum & Mop Cleaner

Battery

6400 mAh

Autonomy

2.5 h (Sweep+Mop)

Weight

4.5 kg (Robot)

11.3 kg (Dock Station)

Water Tank (Standard Dock)

5000 mL (Clean Tank)

4750 mL (Dirty Tank)

Robot Voltage/Current/Power

220V AC

Rated Power

72 W (Dock) **65 W** (Robot)

Noise

≤56 dBA (Mop)

≤60 dBA (Vaccum)

Track Mop

80 RPM

12N Constant Pressure

Dock Station

40.2*43.0*46.1 cm x 10.8 kg (Standard Dock Station)

43.3*41.0*28.0 cm x 8.5 kg (Compact Dock Station)

Robot Vacuum

36.35*35.12*9.5 cm x 5 kg

WHAT'S IN THE BOX

Standard Dock Station



1x Robot Vacuum

1x Floating Roller Brush

1x Track Mop

1x Dust Bin + HEPA Filter

1x Anti-Tangle Brushes Set

1x Base Station

1x Cleaning Tray

1x Clean Water Tank

1x Dirty Water Tank

1x Cleaning Filter (Replacable)

Accessories

1x Power Cable

1x User Manual

2x Dock Station Dust Bag

1x 200 ml Cleaning Solution Bottle

1x Dust Bin + HEPA Filter

WHAT'S IN THE BOX

Compact Dock Station



1x Robot Vacuum

1x Floating Roller Brush

1x Track Mop

1x Dust Bin + HEPA Filter

1x Anti-Tangle Brushes Set

1x Base Station

1x Cleaning Tray

1x Plumbing Installation Kit

1x Cleaning Solution Tank

1x Cleaning Filter (Replacable)

Accessories

1x Power Cable

1x User Manual

2x Dock Station Dust Bag

1x 200 ml Cleaning Solution Bottle

1x Dust Bin + HEPA Filter