

stryker

Neptune[®] 3

Waste Management System

Moving
surgical suction
forward



Your needs **matter**

If you could design a surgical suction device to evacuate hazardous fluid and smoke, what would it look like? Our customers told us, we listened, and we are proud to introduce Neptune 3 Waste Management System. Five years of research and development went into Neptune 3, a multi-tasking device that places focus where it belongs: on safety and efficiency. Take a look at the following features and we think you will agree: Neptune 3 is moving surgical suction forward.

Hush vacuum pump

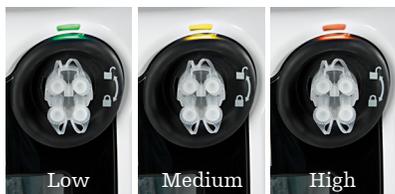
The name of our new Hush vacuum pump says it all: a quieter fluid suction system. Producing a noise level of just 4.3 sones, Neptune 3 is 48% quieter than Neptune 2.¹

How does 4.3 sones sound?²



Multiple suction range indicators

- › 7" top display
- › Main 8.4" LCD display
- › High suction audio alerts
- › Manifold suction range indicator



8 lines of suction

Two independently controlled suction settings utilizing suction range of 50-520 mm-Hg.



Integrated smoke evacuator

- › Standard equipment; 80-hour ULPA filter sold separately
- › 10 speed settings
- › Auto mode detects surgical smoke and adjusts flow
- › Operates on separate pump



Dual canisters

- › 4L lighted canister
- › Ability to empty 4L canister into 20L canister three times before docking
- › Electronic overfill protection with mechanical backup



= Safety feature

See the Neptune 3 Instructions for Use (IFU) for complete details.



Powered I.V. pole with auto retraction

Standard equipment; holds four 3000cc bags on "ram's horn" hooks.

Control dials

Tactile feedback dials control suction limit resulting in on-screen numeric and low-medium-high suction indicators.

SealShut Technology +

SealShut Technology locks away suctioned biohazards.



Backflow prevention valves



Drip reduction valve



Inlet cover seal

Manifold holster

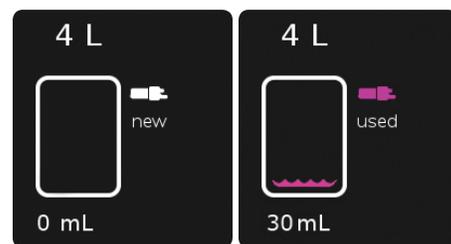
Convenient storage for new manifolds.

Main LCD display +

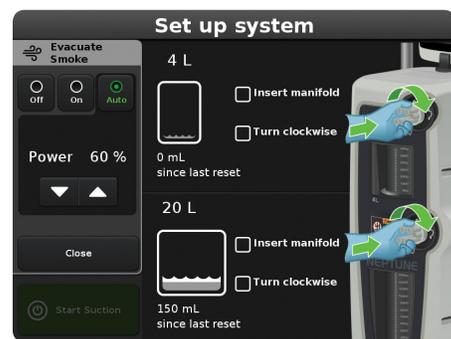
- › 8.4" interactive touch-screen; 14x larger screen area than Neptune 2
- › Full-color touch screen interface simplifies viewing and navigation
- › Interactive screens guide servicing and troubleshooting



A typical in-use screen shows the menu that provides suction start/stop plus data such as suction range, actual mm-Hg, suction limits, canister volume with reset and total canister volume.



New/used manifold indicator helps to prevent accidental manifold re-use; informs user of manifold new/used status on screen.



The built-in smoke evacuator automatically detects surgical site smoke and adjusts flow when auto mode is selected.

Reaching **further**

We know your satisfaction requires more than just a great product. It also involves our ability to help support your broader organisational goals.

A smooth running operating theatre

- › Constantly closed mobile system protects the operating theatre staff from exposure to suctioned biohazardous fluids
- › Permits patient-to-patient use requiring only a manifold change
- › Helps optimise operating theatre turnover time, scheduling and volume³
- › Quieter fluid suction system compared to Neptune 2¹

Hands-free docking and self cleaning



- › Internal rotating power washers provide added cleaning power
- › Seamless integration; backwards compatible with Neptune 2 manifolds, filters and docking station



- › Electromagnetic couplers automatically engage limiting physical touch points. No lids to handle, no hoses to insert, no canisters to dump.

Increase staff efficiencies

Open waste management systems require nearly 3.5 times as much staff time for set-up, maintenance during procedures, and post-procedure waste disposal.³

Product ordering information

Part number	Product description
0703-002-000ENG	Neptune 3 Rover
0702-015-000	Docker
0702-020-000	Standard 4-port manifold (20/pkg)
0702-020-001	Specimen collection 4-port manifold (20/pkg)
0702-025-000	Single-port manifold (20/pkg)
0702-034-000	Fluid Suction HEPA Filter
0702-040-000	Smoke evacuator ULPA Filter
0700-001-026	Docking Station Detergent*

*Non-medical device, not CE marked

Proactive solutions to drive productivity

Sustain your Neptune 3 performance with Stryker's ProCare Services

With a ProCare Service contract you can:

Maintain quality

Parts and procedures are compliant with manufacturer specifications

Manage efficiency

Reduce downtime and impact on patient cases with reliably serviced equipment

Minimise risk

Diminish staff exposure to bloodborne pathogens and hazardous waste during maintenance procedures



Choose from 2 service options to help you get the most out of your equipment:

	Prevent	Protect
Preventive maintenance visit (2x per year)	✓	✓
Inspection, replacement of specified parts and filters and deep cleaning of N3 rovers, performed at your facility	✓	✓
Travel and labour costs for your certified Stryker technician	✓	✓
Detailed service report and compliance documentation	✓	✓
Unlimited repairs		✓
Front line troubleshooting training upon installation		✓
Priority call outs; repairs performed at your facility		✓
Travel and labour costs for your certified Stryker technician		✓
Original equipment manufacturer specified parts		✓



Protect your investment

Bi-annual preventative maintenance keeps Neptune rovers and docking stations running the way you've come to expect from your Stryker equipment, allowing your staff to focus on their main priority – patient care.

Bi-annual preventative maintenance is an extensive process and includes:

- ✓ Full inspection, visual checks, filter replacement, and deep cleaning
- ✓ Complete functional check (ex: docking sequence, volume check, vacuum check, inspection for leaks)
- ✓ Verification of canister suction connections and water fittings
- ✓ Check of docking station mounts, functionality, sensors, and inspection for leaks

This document is intended solely for the use of healthcare professionals

A healthcare professional must always rely on his or her own professional clinical judgment when deciding whether to use a particular product when treating a particular patient. Stryker does not dispense medical advice and recommends that healthcare professionals be trained in the use of any particular product before using it in surgery.

Neptune® 3

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1. Stryker Instruments engineering data and Neptune Waste Management System specifications on file. April, 2016. Kalamazoo, MI.
2. Weinger, Matthew, et al. "Handbook of Human Factors in Medical Device Design." CRC Press, 2011. Print.
3. Horn, Martlie et al. "Traditional canister-based open waste management system versus closed system: hazardous exposure prevention and operating theatre staff satisfaction." *Journal of Perioperative Nursing in Australia*. 28:1 (Autumn 2015): 18-22.

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