

Waste management and smoke evacuation portfolio

Shaping the future of the OR





## **Neptune**°

### docking station

Electromagnetic couplers automatically engage for hands-free docking, emptying and cleaning. Compatible with Neptune 3 and Neptune S rovers.

### **SafeAir®**

#### smoke evacuation system

A compact product with user customizable suction strength, speed settings and activation modes (including automatic).



Our customizable standard and telescopic SafeAir smoke evacuation pencils are ergonomic, lightweight and come with fully integrated suction/power cords and various accessory options.



## 150 chemicals

are found in surgical smoke, including 16 EPA priority pollutants<sup>2</sup>



1 day in the operating room = 27-30 unfiltered cigarettes<sup>4</sup>

# Neptune 3 + SafeAir pencil

Our SafeAir pencils can connect to the Neptune 3 system, which includes an integrated smoke evacuator with ULPA filtration of 99.999% efficiency at 0.1 microns.<sup>3</sup>

# Neptune 5 + SafeAir compact

The SafeAir compact fits onto the Neptune S system via a console bracket to ensure seamless integration for smoke evacuation needs.





| Part number                     | Description  | Oty   |
|---------------------------------|--|-------|
| Neptune hardware                |  |       |
| 0703-001-000                    | Neptune 3 (N3) rover   | 1     |
| 0711-001-000                    | Neptune S (NS) rover   | 1     |
| 0702-015-000                    | Neptune Docking Station  | 1     |
| Neptune disposables             |  |       |
| 0702-020-000                    | N3 4-port manifold   | 20    |
| 0702-020-001                    | N3 4-port manifold with specimen collection  | 20    |
| 0750-400-000                    | NS 4-port manifold   | 20    |
| 0750-200-000                    | NS specimen collection manifold kit, includes specimen collection tray (50 manifolds, 30 collection trays/box) | 1     |
| 0750-210-000                    | NS specimen collection tray  | 50    |
| 0702-034-000                    | Neptune fluid suction HEPA filter with activated carbon  | 1     |
| 0700-001-026                    | Neptune docking station detergent  | 2     |
| Neptune smoke                   | evacuation   |       |
| 0702-040-000                    | Smoke evacuator ULPA filter  | 4     |
| 0702-045-023                    | 3/8" smoke evacuation tubing   | 10    |
| 0700-528-020                    | $10\mathrm{mm}$ x $22\mathrm{m}$ tubing adapter  | 1     |
| Neptune SafeAir                 | r smoke evacuation pencils and accessories   |       |
| 0703-046-000                    | Integrated smoke evacuation pencil; coated 70mm blade; ${\bf push\ button\ switch}$                            |       |
| 0703-046-004                    | Integrated telescopic smoke evacuation pencil; coated 70mm blade; <b>push button s</b>                         | witch |
| 0703-047-000                    | Integrated smoke evacuation pencil; coated 70mm blade; ${\bf rocker\ switch}$                                  |       |
| 0703-047-004                    | Integrated telescopic smoke evacuation pencil; coated 70mm blade; ${\bf rocker\ switch}$                       |       |
| SafeAir compact smoke evacuator |  |       |
| 0703-045-000                    | Compact smoke evacuator: stand alone   |       |
| 0703-040-000                    | ULPA filter: compact smoke evacuator   |       |
| 0703-045-100                    | Fluid trap   |       |

For more info visit our



#### References

- 1. Pierce et al. Laser-Generated Air Contaminants from Medical Laser Applications: A State-of-the-Science Review of Exposure Characterization, Health Effects, and Control. J Occup Environ Hyg. 2011, 8(7): 447-466.
- 2. Näslund Andréasson S, Mahteme H, Sahlberg B, Anundi H. Polycyclic aromatic hydrocarbons in electrocautery smoke during peritonectomy procedures. J Environ Public Health. 2012;2012:929053. doi: 10.1155/2012/929053.
- 3. Stryker internal test reports (for Neptune ULPA filter) S1756.071365, S1756.071444, S1756.071469, S1756.071450, S1988.150724.071469.

  4. Hill D, O'Neill J, Powell R, Oliver D (2012) Surgical Smoke a health hazard in the operating theatre. A study to quantify exposure and a survey of the use of smoke extractor systems in UK plastic surgery units. Journ Plas Reconstr Aesthet Surg. 65(7): 911-6.

#### Surgical Technologies

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