The troCarWash™ System for Automated Laparoscopic Camera Cleaning

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Bayou surgical

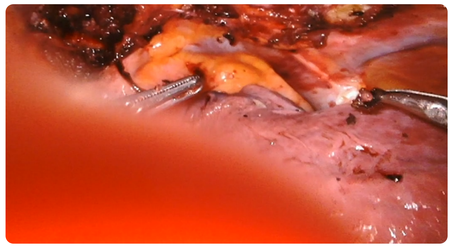
troCarwash™



Minimally invasive surgery relies on cameras for visualization inside the body, but their function is often impeded by a variety of fouling conditions.

40% of a laparoscopic operation is performed with impaired vision

Average number of times per hour the scope is removed from the patient for cleaning **7.5**



How does it work?

1. Fouled scope is retracted into the troCarWash
2. The troCarWash optically detects camera position and ejects an aerosolized anti-fog solution
3. Lens is cleared and user vision is restored

Cameras are fouled by:

Tissue Debris

Fluids & tissues (blood, fat, ascites) occlude the lens of the surgical camera.

Smoke Debris

Reaction of tissues to thermal energy creates smoke that contaminates the lens.

Fogging

Due to temperature & humidity differentials between the patient and the operating room

The current practice to clean the lens of a surgical scope is a multistep process

- Interruption of procedure
- Removal of scope from patient
- Manual cleaning of lens
- Use of a warm (or anti-fog) solution to the lens to decrease fogging
- Reinsertion of scope into patient

Compatible with 0˚, 30˚, 45˚ Scopes

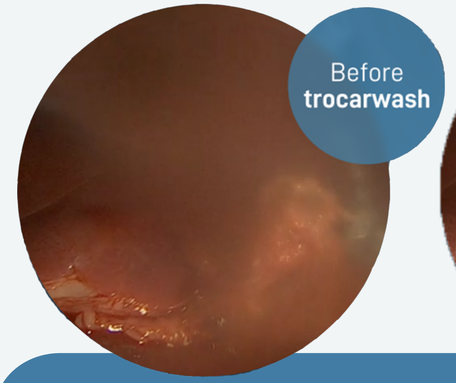
System cleans any angle of camera lens. Requires no addition to the scope.

Minimizes Surgical Disruption

One handed operation. The camera remains in the body cavity; no removal necessary

Rapid Cleaning with Reduced Surgical Times

Clear image in 200 milliseconds. Washes are automated. No buttons or foot pedals.





Coming Soon: FDA Filing planned for early 2022. A limited market release is expected near the end of the year



Tubing Set with Integrated Fluid Reservoir & Electrical Connectors



Carwash Trocar & Obturator

90% of fouling events cleaned with a single wash during animal testing, including bile, blood, fogging, cautery smoke, and tissue smears.

Not For Sale In The United States