Introducing a Transformative Advancement in Urinary Bladder Irrigation

MULTIPHZE™

ENCLOSED BLADDER IRRIGATION SYSTEM

We are revolutionizing manual bladder irrigation methods, challenging the old ways, and bringing necessary change to keep it clean. With Multiphze you fill, irrigate, and drain for less hands-on time, less risk of contamination, and less clean-up.

The Multiphze™ Enclosed Bladder Irrigation System is the only solution created by physicians for medical professionals treating hematuria that offers a novel method for irrigating the bladder, designed to reduce the risks and costs associated with biohazard exposure & contamination, while delivering improved procedural efficiencies.

The unique system features a rotatable syringe with independent ports used to manage the FILL, IRRIGATE, and DRAIN functions and is designed to mitigate the need to repeatedly disengage from the urinary catheter during a manual bladder irrigation procedure.

SYSTEM BENEFITS

- The novel enclosed system provides a safer procedure by preventing potential exposure to blood-borne pathogens from splashing, spraying, spilling, and disposing of bloody urine.
- The modified syringe has 3 settings designed to allow users to control the flow of fluids through one port at a time
- The system's novel method enables procedural efficiencies and cost reductions by mitigating the need for multiple medical professionals during the procedure and afterwards for extensive cleaning of the patient, equipment, linen, etc., by the nursing and janitorial staff.

ECONOMICAL BENEFITS

A more economical option for manual bladder irrigations because:

1. It improves the efficiency and reduces procedural time by as much as 50%[1]
2. Only one medical professional is needed to perform the procedure resulting in reduced costs
3. With a > 99% reduction in spillage, the enclosed system[1]
    - Mitigates the time & costs associated with cleaning up after the procedure[2]
    - Reduces occupational exposure to blood borne pathogens which mitigates financial risks for hospitals[3,4]

CUSTOM SYRINGE BENEFITS

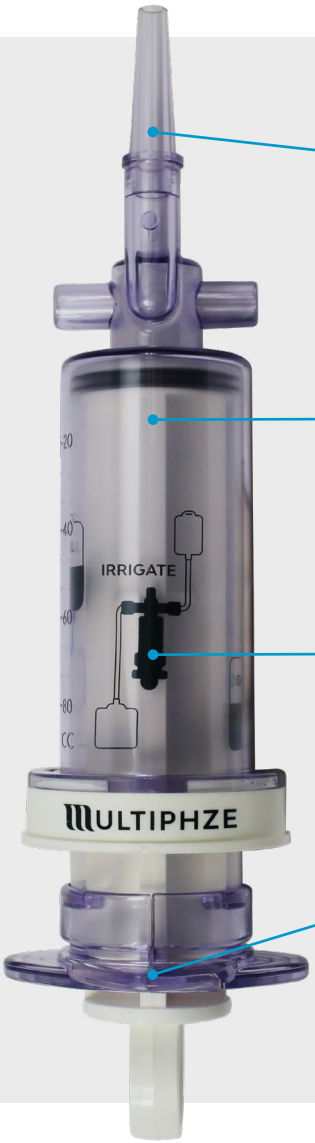
Rotatable syringe design

Offers 4 positions:

1. FILL: Allows syringe to fill with sterile solution
2. IRRIGATE: Allows fluids from syringe to flow in and out of bladder
3. DRAIN: Allows fluids from syringe to be discarded into attached drainage bag
4. OFF: Puts syringe into a neutral position with no flow of fluids

Tactile & Audible Feedback

Affirmation for when syringe is rotated into each of the 4 positions



Tapered Tip for Standard Catheter Connection

Fixed, tapered tip conveniently connects to standard urinary catheters

Augmented Syringe Volume

Accommodates up to 120 ml of fluid for a more efficient procedure that empties the bladder faster and mitigates user fatigue

Intuitive User Interface

Easy to understand icons & labeling for delineating each phase

Plunger Stopper

Prevents plunger from accidentally pulling out of syringe and mitigates inadvertent spillage of fluids and bloody urine

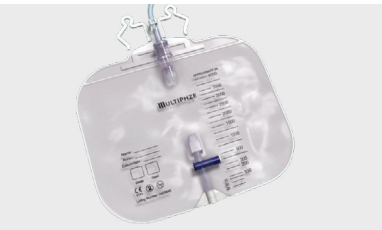
SYSTEM BENEFITS

Kink-free Tubing
Flexible design prevents connector tubing from collapsing when bending to keep fluids flowing throughout the procedure

High Flow Spike
Conveniently connects "enclosed system" to sterile solution and allows it to flow more efficiently

Drip Chamber
Helps prevent air from entering irrigation line and regulates flow of sterile solution during procedure

Barbed Connectors
Barbed connectors attach the Multiphze irrigation line and drainage bag to the custom syringe. Each can be disconnected to transfer the irrigation line and drainage bag to the patient's 3-way catheter for continued use as needed.



4 Liter Drainage Bag
Allows safe disposal of syringe contents without having to disconnect from urinary catheter.

In-line Check Valve
Protects against fluid backflow into irrigation line

Roller Clamp
Regulates flow of sterile solution into syringe

References
1. In Vivo Porcine Evaluation of a Novel Self-Contained Bladder Irrigation System (MultiphzeTM) Pengbo Jiang*, Roshan Patel, Shlomi Tapiero, Jaime Landman, Ralph Clayman, Orange, CA
2. https://www.crothall.com/files/1913/9832/1851/CH-861_Case_Study_Baptist_Health_System_FINAL-web.pdf
3. Control and Hospital Epidemiology 28(7):774-82 · August 2007
4. https://www.researchgate.net/publication/6272042_Costs_of_Management_of_Occupational_Exposures_to_Blood_and_Body_Fluids

Learn more at **multiphze.com**

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