

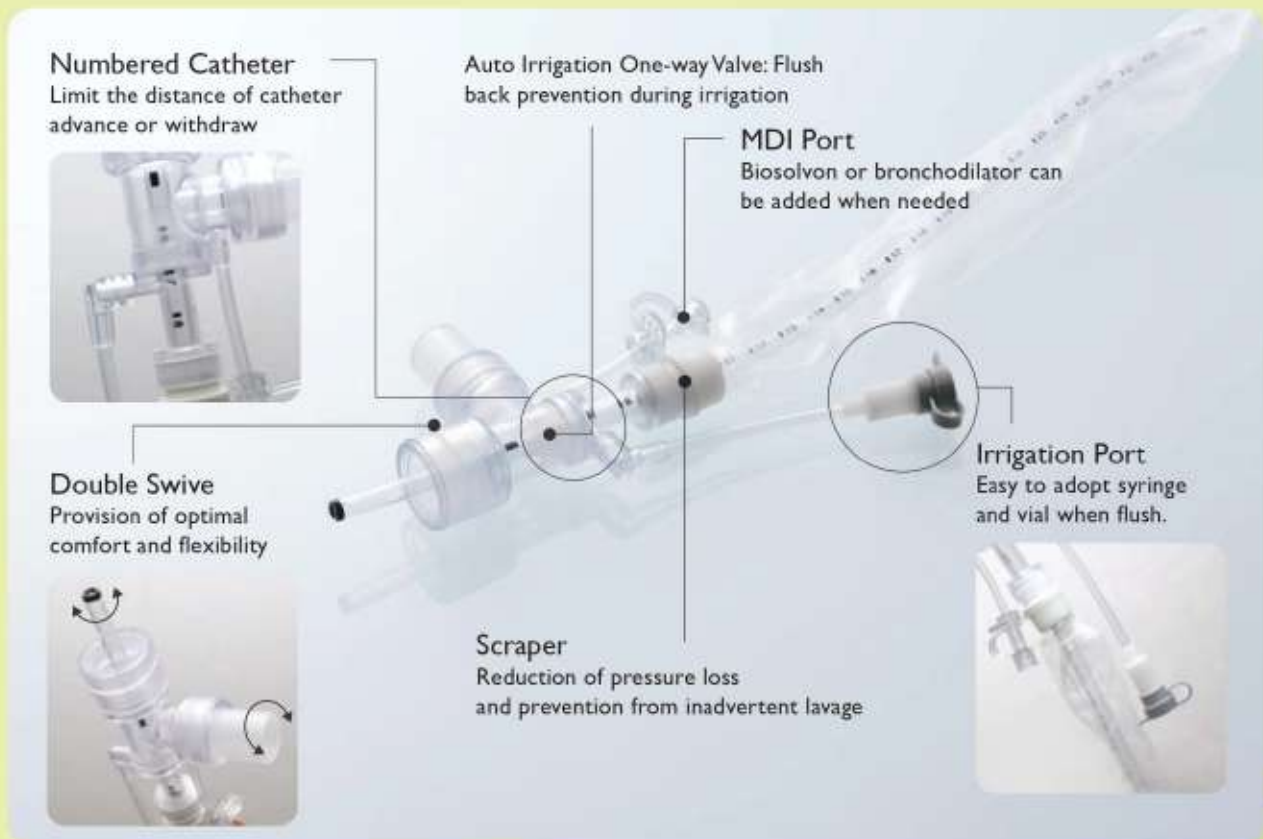


# LILY Closed Suction System

An innovative design helps to flush  
and extends up to 72-hour use



## Feature



## Instruction for Use:



1. Check if packaging and catheter sleeve are all intact or not



2. Paste the change-on ticker on the thumb control valve



3. Connect close suction system to endotracheal or tracheostomy (w/ L adaptor) tube



4. Attach flex tube to Oxygen concentrator



5. Attach mucus extractor and make sure thumb control valve un-lock



6. Follow hospital protocol to insert catheter to proper position



7. Proceed suction while withdrawing catheter



8. Apply saline irrigation right after suction operation. Repeat step 5-8 if needed

## Ventilator-associated pneumonia (VAP) is the most frequently acquired infection by patients admitted in intensive care units (ICUs).<sup>1</sup>

In contrast to the OS (Open Suction) group, no cross-contaminations or VAP were seen in the CS (Close Suction) group. Spao<sub>2</sub> decreased significantly in the OS group compared with presuctioning values, unlike in the CS group.<sup>2</sup>

## Not only VAP reduction, but also cost...

That elimination of routine in-line suction catheter change was safe and reduced the costs associated with providing mechanical ventilation.<sup>3</sup>

1. Vincent JL, Bihari DJ, Suter PM, Bruining HA, White J, Nicolas-Chanoin MH, et al. The prevalence of nosocomial infection in intensive care unit in Europe: Results of the European Prevalence of Infection in Intensive Care (EPIC) Study. *JAMA*. 1995;278:639-44.

2. Werner Rabitsch, MD, Wolfgang J. Kostler, MD., et al. Closed Suctioning System Reduces Cross-Contamination Between Bronchial System and Gastric Juices. *ANESTH ANALG*. 2004;99:886-92.

3. Kwan Kew Lai, DMD, MD; Stephen P. Baker, MSc, PH; Sally A. Fontecchio, RN. Impact of a Program of Intensive Surveillance and Interventions Targeting Ventilated Patients in the Reduction of Ventilator-Associated Pneumonia and Its Cost-Effectiveness. *Infection Control and Hospital Epidemiology*, Vol. 24, No. 11 (November 2003), pp. 859-863.



An ideal design for saline irrigation right after operation of suction...

Auto Irrigation One-way Valve

Scraper

Auto irrigation One-way valve and scraper create a chamber for saline irrigation between suction operation. Regular irrigation can extend close suction system up to 72 hour use.

## Adult Endotracheal Type



- Double-Swivel adapter for flexibility between patients and care givers
- Auto irrigation one-way valve prevents flush back during irrigation.
- Irrigation port with one-way valve (the valve is optional)
- MDI port
- EO gas sterilization

Model	Description	Tube length	Packaging	Q'ty
CSA-EA10	10 Fr, Irrigation port, w/ MDI	55 cm	Reg./Tyvek	50/ Carton
CSA-EA12	12 Fr, Irrigation port, w/ MDI	55 cm	Reg./Tyvek	50/ Carton
CSA-EA14	14 Fr, Irrigation port, w/ MDI	55 cm	Reg./Tyvek	50/ Carton
CSA-EA16	16 Fr, Irrigation port, w/ MDI	55 cm	Reg./Tyvek	50/ Carton

## Pediatric Endotracheal Type



- Auto irrigation one-way valve prevents flush back during irrigation.
- Irrigation port with one-way valve (the valve is optional)
- "Y" type neonatal/infant airway access adapters
- EO gas sterilization

Model	Description	Tube length	Packaging	Q'ty
CSA-EP05	05 Fr, Irrigation port, w/Y adaptors 2.5 + 3.0 + 3.5(mm)	45 cm	Reg./Tyvek	50/ Carton
CSA-EP06	06 Fr, Irrigation port, w/Y adaptors 2.5 + 3.0 + 3.5(mm)	45 cm	Reg./Tyvek	50/ Carton
CSA-EP08	08 Fr, Irrigation port, w/Y adaptors 3.0 + 3.5 + 4.0(mm)	45 cm	Reg./Tyvek	50/ Carton
CSA-EP10	10 Fr, Irrigation port, w/Y adaptors 3.5 + 4.0 + 4.5(mm)	45 cm	Reg./Tyvek	50/ Carton

## Adult Tracheostomy Type



- "L" type tracheostomy adapter attached
- EO gas sterilization

Model	Description	Tube length	Packaging	Q'ty
CSA-TA10	10 Fr, Irrigation port, MDI w/ tracheostomy adapter	30 cm	Reg./Tyvek	50/ Carton
CSA-TA12	12 Fr, Irrigation port, MDI w/ tracheostomy adapter	30 cm	Reg./Tyvek	50/ Carton
CSA-TA14	14 Fr, Irrigation port, MDI w/ tracheostomy adapter	30 cm	Reg./Tyvek	50/ Carton

## Flex Tube (Corrugated Tube) Type



- Corrugated tube accessories attached
- EO gas sterilization

Model	Description	Tube length	Packaging	Q'ty
CSA-EA10C	10 Fr, Irrigation port, w/ MDI	55 cm	Reg./Tyvek	50/ Carton
CSA-EA12C	12 Fr, Irrigation port, w/ MDI	55 cm	Reg./Tyvek	50/ Carton
CSA-EA14C	14 Fr, Irrigation port, w/ MDI	55 cm	Reg./Tyvek	50/ Carton
CSA-EA16C	16 Fr, Irrigation port, w/ MDI	55 cm	Reg./Tyvek	50/ Carton
CSA-TA10C	10 Fr, Irrigation port, MDI w/ tracheostomy adapter	30 cm	Reg./Tyvek	50/ Carton
CSA-TA12C	12 Fr, Irrigation port, MDI w/ tracheostomy adapter	30 cm	Reg./Tyvek	50/ Carton
CSA-TA14C	14 Fr, Irrigation port, MDI w/ tracheostomy adapter	30 cm	Reg./Tyvek	50/ Carton
CSA-EP05C	05 Fr, Irrigation port, w/Y adaptors 2.5 + 3.0 + 3.5(mm)	45 cm	Reg./Tyvek	50/ Carton
CSA-EP06C	06 Fr, Irrigation port, w/Y adaptors 2.5 + 3.0 + 3.5(mm)	45 cm	Reg./Tyvek	50/ Carton
CSA-EP08C	08 Fr, Irrigation port, w/Y adaptors 3.0 + 3.5 + 4.0(mm)	45 cm	Reg./Tyvek	50/ Carton
CSA-EP10C	10 Fr, Irrigation port, w/Y adaptors 3.5 + 4.0 + 4.5(mm)	45 cm	Reg./Tyvek	50/ Carton



GMP Certificate



ISO 13485:2016



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