



LILY Closed Suction System

✔ Infection Control ✔ Safety ✔ Friendly

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



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

In contrast to the OS (Open Suction) group, no cross-contaminations or VAP were seen in the CS (Close Suction) group. Spao₂ decreased significantly in the OS group compared with presuctioning values, unlike in the CS group.²

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.³

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.



GMP Certificate



ISO 13485:2003



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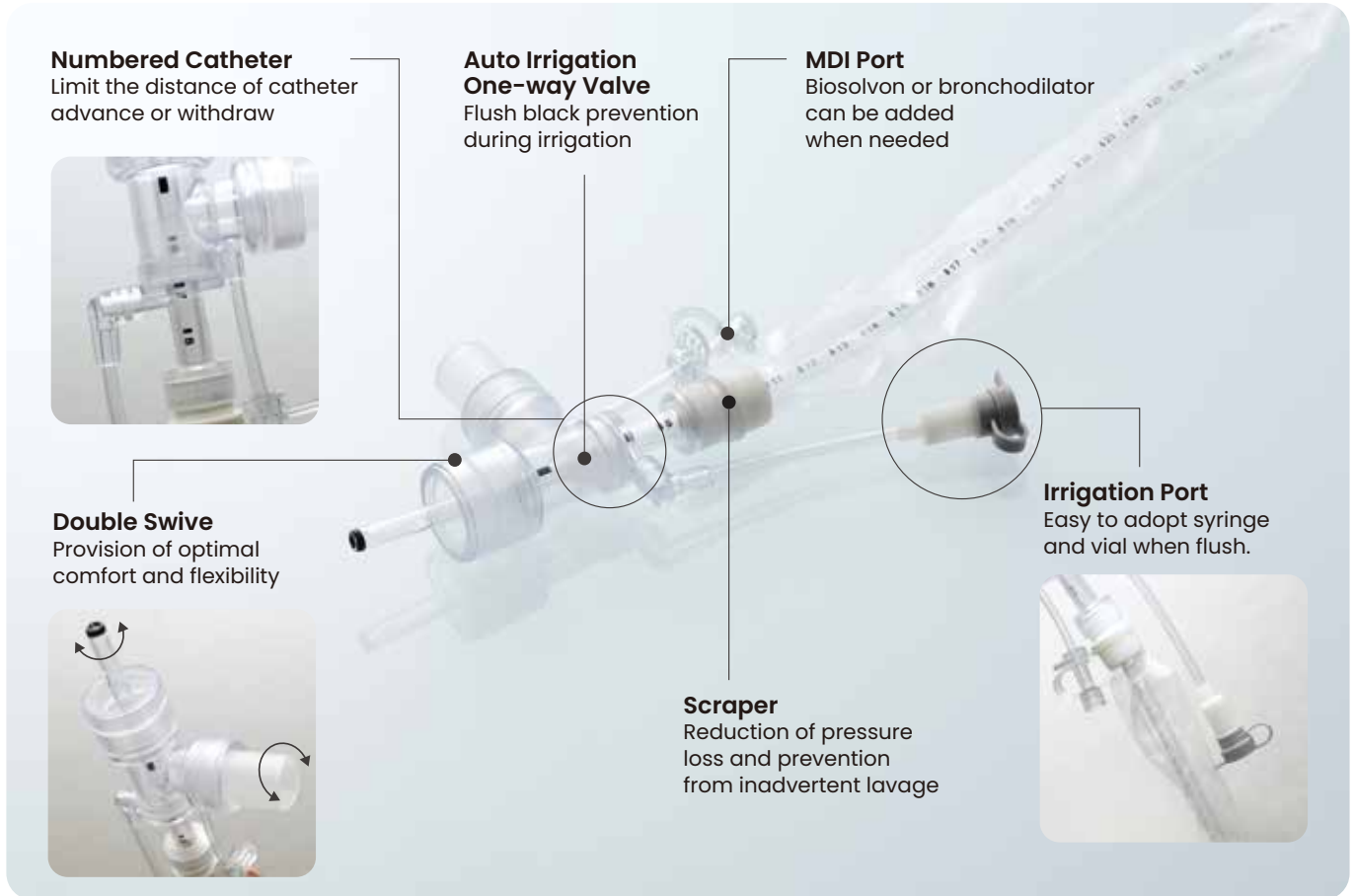
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Fracture



Instruction for Use :



- ❶ Check if packaging and catheter sleeve are all intact or not



- ❷ Paste the chage-on ticker on the thumb control valve



- ❸ Connect close suction system to endotracheal or tracheostomy (w/L adaptor) tube



- ❹ Attach flex tube to Oxygen concentrator



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



- ❻ Follow hospital protocol to insert catheter to proper position



- ❼ Proceed suction while with drawing catheter



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

Adult Endotracheal Type



Model	Description	Tube Length	Packaging
CSA-EA10	10 Fr, Irrigation port, w/ MDI	55 cm	Tyvek
CSA-EA12	12 Fr, Irrigation port, w/ MDI	55 cm	Tyvek
CSA-EA14	14 Fr, Irrigation port, w/ MDI	55 cm	Tyvek
CSA-EA16	16 Fr, Irrigation port, w/ MDI	55 cm	Tyvek

- 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

Pediatric Endotracheal Type



Model	Description	Tube Length	Packaging
CSA-EP05	05 Fr, Irrigation port, w/Y adaptors 2.5 + 3.0 + 3.5(mm)	45 cm	Tyvek
CSA-EP06	06 Fr, Irrigation port, w/Y adaptors 2.5 + 3.0 + 3.5(mm)	45 cm	Tyvek
CSA-EP08	08 Fr, Irrigation port, w/Y adaptors 3.0 + 3.5 + 4.0(mm)	45 cm	Tyvek
CSA-EP10	10 Fr, Irrigation port, w/Y adaptors 3.5 + 4.0 + 4.5(mm)	45 cm	Tyvek

- 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

Adult Tracheostomy Type



Model	Description	Tube Length	Packaging
CSA-TA10	10 Fr, Irrigation port, MDI w/ tracheostomy adapter	30 cm	Tyvek
CSA-TA12	12 Fr, Irrigation port, MDI w/ tracheostomy adapter	30 cm	Tyvek
CSA-TA14	14 Fr, Irrigation port, MDI w/ tracheostomy adapter	30 cm	Tyvek

- Corrugated tube accessories attached
- EO gas sterilization

Flex Tube (Corrugated Tube) Type



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

- Corrugated tube accessories attached
- EO gas sterilization