

Edi catheter ENFit

Datasheet

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Technical specifications

Neurally Adjusted Ventilatory Assist (NAVA®) technology is a mode of mechanical ventilation where the ventilator is controlled directly by the patient's own neural control of breathing. The neural control originates in the respiratory center, and signals are transmitted through the phrenic nerve to create an electrical activity of the diaphragm (Edi). With NAVA, these signals are monitored using electrodes in the Edi Catheter which is positioned in the esophagus at the level of the diaphragm. A range of catheter diameters (French) and lengths ensure optimized signal quality across all patient categories.

Edi catheters

- Detect electrical activity of the diaphragm
- Enable NAVA and NIV NAVA ventilation modes
- Available for neonatal, pediatric, and adult patients
- Also act as a normal nasogastric feeding tube
- Barium sulfate strip for x-ray identification
- Phthalate-free

General specifications

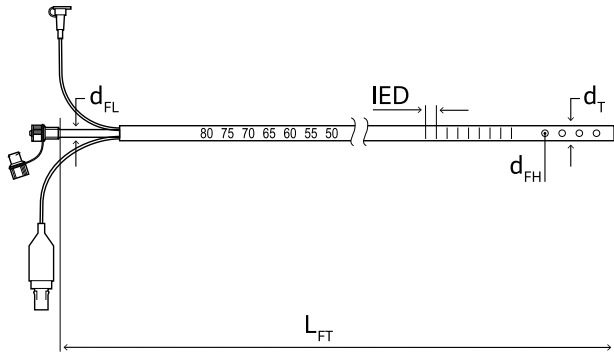
Gastric tube material	Polyurethane, medical grade
Electrode material	Stainless steel
Number of electrodes	10
X-ray identification	Barium sulfate strip
Sterile	Gamma sterilized
Shelf life	2 years
Usage time	≤5 days
Test voltage class	5 kV, according to IEC 60601-1
Dimensions for package of 5 catheters	440 x 300 x 190 mm (17.3 x 11.8 x 7.5 in)
Dimensions for individual catheter package	420 x 280 x 35 mm (16.5 x 11.0 x 1.4 in)

Transport conditions

Ambient temperature	-40° to 60°C (-40° to 140°F)
Humidity	10% to 95% RH (including condensing)
Ambient pressure	470 to 1060 mbar (353 to 795 mmHg)

Operating conditions

Ambient temperature	10° to 45°C (50° to 113°F)
Humidity	15% to 100% RH (humid environment in esophagus)
Ambient pressure	500 to 1500 mbar (375 to 1125 mmHg); esophageal pressure



- L_{FT} —total length of feeding tube
- d_T —tube outer diameter
- d_{FL} —feeding lumen inner diameter
- d_{FH} —diameter of feeding holes
- IED—distance between electrodes

Catheter selection guide

	16Fr / 125 cm	8Fr / 125 cm	12Fr / 125 cm	8Fr / 100 cm	8Fr / 50 cm	6Fr / 50 cm	6Fr / 49 cm
Patient height	>140 cm (>55.1 in)	>140 cm (>55.1 in)	75 to 160 cm (29.5 to 63.0 in)	45 to 85 cm (17.7 to 33.5 in)	<55 cm (<21.7 in)	<55 cm (<21.7 in)	<55 cm (<21.7 in)
Patient weight	—	—	—	—	1.0 to 2.0 kg (2.2 to 4.4 lb)	1.0 to 2.0 kg (2.2 to 4.4 lb)	0.5 to 1.5 kg (1.1 to 3.3 lb)
Type of lumen	Dual	Single	Dual	Single	Single	Single	Single
L_{FT}	125 cm	125 cm	125 cm	100 cm	50 cm	50 cm	49 cm
d_T	5.3 mm	2.7 mm	4.0 mm	2.7 mm	2.7 mm	2.0 mm	2.0 mm
d_{FL}	2.9 mm	1.2 mm	2.4 mm	1.2 mm	1.2 mm	0.8 mm	0.8 mm
d_{FH}	2.0 mm	0.9 mm	2.0 mm	0.9 mm	0.9 mm	0.9 mm	0.9 mm
IED (inter electrode distance)	16	16	12	8	6	6	6
Number of feeding holes	8	8	8	4	3	3	2
Feeding lumen connector type	ENFit (ISO 80369-3)	ENFit (ISO 80369-3)	ENFit (ISO 80369-3)	ENFit (ISO 80369-3)	ENFit (ISO 80369-3)	ENFit (ISO 80369-3)	ENFit (ISO 80369-3)
Auxiliary lumen connector type	Luer female connector with lid	—	Luer female connector with lid	—	—	—	—

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Ordering information

Catheter name / size	Order number
Edi Catheter ENFit 16 Fr/125 cm, 5 pcs/pkg	68 83 904
Edi Catheter ENFit 8Fr/125cm, 5 pcs/pkg	68 83 902
Edi Catheter ENFit 12Fr/125 cm, 5 pcs/pkg	68 83 903
Edi Catheter ENFit 8Fr/100cm, 5 pcs/pkg	68 83 901
Edi Catheter ENFit 8Fr/50cm, 5/ pcs pkg	68 83 900
Edi Catheter ENFit 6Fr/50cm, 5 pcs/pkg	68 83 899
Edi Catheter ENFit 6Fr/49cm, 5/ pcs pkg	68 83 898

Guide wires	Order number
Guide wire for Edi catheter, 8 Fr, adult, 125 cm, 5 pcs/pkg	66 71 292
Guide wire for Edi catheter, 8 Fr, pediatric, 100 cm, 5 pcs/pkg	66 71 272
Guide wire for Edi catheter, 6 Fr, neonatal, 49 + 50 cm, 5 pcs/pkg	66 71 270



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