



Product Name	Clear-Therm™ Midi HMEF with luer port		
Reference numbers	1641000		
Product Type	Heat & Moisture Exchanging Filter		
Manufacturer	Intersurgical		
Materials	 PP based filter media PU foam	PP	TPE
Packaging			
Unit Packaging	Individually packaged		
Box quantity	100		
Pallet quantity	3200		
Instructions for Use	Instructions for use with product	No	
	Instructions for use with each box	Yes	
CE Class	IIa		
Applicable Standards	BS EN ISO 13485: Medical devices — Quality management systems — Requirements for regulatory purposes ISO 9001: Quality Management Systems - Requirements ISO 15223-1: Medical Devices - Symbols to be Used with Medical Device Labels, Labelling, & Information to be Supplied BS EN ISO 9360-1: Anaesthetic and respiratory equipment - Heat and moisture exchangers (HMEs) for humidifying respired gases in humans. HMEs for use with minimum tidal volumes of 250 ml BS EN ISO 5356-1: Anaesthetic and respiratory equipment - Conical connectors. Cones and sockets BS EN ISO 23328 Parts 1 & 2: Breathing system filters for anaesthetic and respiratory use BS EN ISO 80369-7: Small-bore connectors for liquids and gases in healthcare applications. Connectors for intravascular or hypodermic applications		
Sterile	No		
Shelf life	5 Years		
Disposal Methods	As hospital guidelines		
Re-use	 Single use only		

Product characteristics

Technical information

Filter type	Electrostatic
Bacterial efficiency (%)	>99.999
Viral efficiency (%)	>99.9
Salt penetration (%)	2.83
Salt penetration efficiency (%)	97.17
Moisture loss (mgH ₂ O/L)	13.3
Calculated moisture return (mgH ₂ O/L)	25.9
Resistance to flow at 30 L/min (cmH ₂ O)	0.9
Resistance to flow at 60 L/min (cmH ₂ O)	1.9
Compressible volume (ml)	34
Minimum tidal volume (ml)	> 100
Maximum tidal volume (ml)	1000
Weight (g)	19
Connectors	22F - 22M/15F



Material Abbreviations

ABS	Acrylonitrile Butadiene Styrene
AL	Aluminium
CR	Polychloroprene Rubber
EDPM	Ethylene Propylene Terpolymer Rubber
HDPE	High Density Polyethylene
HIPS	High Impact Polystyrene
LDPE	Low Density Polyethylene
LSR	Liquid Silicone Rubber
MBS	Methacrylate Butadiene Styrene
NRL	Natural Rubber Latex
PA	Polyamide (Nylon)
PC	Polycarbonate
PE	Polyethylene
POM	Polyoxymethylene
PP	Polypropylene
PS	Polystyrene
PSU	Polysulfone
PU	Polyurethane
PVC	Poly Vinyl Chloride
SB	Styrene Butadiene
Si	Silicone
SS	Stainless Steel
TPE	Thermoplastic Elastomer
SBC	Styrene Butadiene Copolymer
SEBS	Styrene-Ethylene-Butadiene-Styrene

