



<b>Product Name</b>	Clear-Therm™ Micro HMEF with luer port			
<b>Reference numbers</b>	1441000			
<b>Product Type</b>	Heat & Moisture Exchanging Filter			
<b>Manufacturer</b>	Intersurgical			
<b>Materials</b>	 PU foam      TPE      ABS      PP PP based filter media			
<b>Packaging</b>				
<b>Unit Packaging</b>	Individually packaged			
<b>Box quantity</b>	20			
<b>Pallet quantity</b>	5120			
<b>Instructions for Use</b>	Instructions for use with product	No		
	Instructions for use with each box	Yes		
<b>CE Class</b>	IIa			
<b>Applicable Standards</b>	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			
<b>Sterile</b>	No			
<b>Shelf life</b>	5 Years			
<b>Disposal Methods</b>	As hospital guidelines			
<b>Re-use</b>	 Single use only			

## Product characteristics

### Technical information

Type of filter	Electrostatic
Bacterial efficiency (%)	> 99.999
Viral efficiency (%)	> 99.99
Salt penetration (%)	4.73
Salt penetration efficiency (%)	95.27
Moisture loss (mg H <sub>2</sub> O/L)	12.3
Calculated moisture return (mg H <sub>2</sub> O/L)	26.8
Resistance to flow at 7 L/min (cmH <sub>2</sub> O)	0.5
Resistance to flow at 11 L/min (cmH <sub>2</sub> O)	1.0
Resistance to flow at 15 L/min (cmH <sub>2</sub> O)	1.4
Compressible volume (ml)	11
Minimum tidal volume (ml)	> 35
Maximum tidal volume (ml)	75
Weight (g)	11
Connection	15M - 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

