




Breathing System Filter Technical Parameters

Product Image			
Product REF	EM12-001	EM12-002	EM12-004
Types	Bacterial/viral filter	Bacterial/viral filter	Bacterial/viral filter
Dead space (ml)	38	90	38
Recommended patient	Adult/Pediatric	Adult	Adult/Pediatric
Tidal volume (ml)	150-1500	350-1500	150-1500
Bacterial filtration efficiency¹ (%)	99.99%	99.99%	99.99%
Viral filtration efficiency¹ (%)	99.9%	99.9%	99.9%
Moisture loss² (mg/L)	--	--	--
Moisture output (mg/L)	--	--	--
Flow Resistance (cm H₂O)	0.82 at 30L/min 2.55 at 60L/min 5.10 at 90L/min	0.61 at 30L/min 2.04 at 60L/min 3.57 at 90L/min	0.82 at 30L/min 2.55 at 60L/min 5.10 at 90L/min
Housing Material	Polypropylene	Polypropylene	Polypropylene
Product	PVC free Latex free	PVC free Latex free	PVC free Latex free
Weight (g)	24	43	23
Sampling port	Lure lock	Lure lock	--
Connector patient side	15F/22M	15F/22M	15F/22M
Connector machine side	15M/22F	15M/22F	15M/22F
Shelf life	5 years	5 years	5 years
Colour code	Blue	Blue	Blue
Units/package (pcs.)	100	50	100

1 According to Nelson Laboratories, Inc., Salt Lake City, USA.

2 According to EN ISO 9360-1:2009

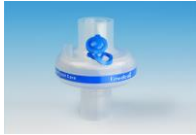



HME Technical Parameters

Product Image				
Product REF	EM12-101	EM12-102	EM12-104	EM12-106
Types	HME	HME	HME	HME
Dead space (ml)	38	90	38	20
Recommended patient	Adult/Pediatric	Adult	Adult/Pediatric	Pediatric
Tidal volume (ml)	150-1500	350-1500	150-1500	100-500
Bacterial filtration efficiency¹ (%)	--	--	--	--
Viral filtration efficiency¹ (%)	--	--	--	--
Moisture loss² (mg/L)	12 at V _T 500ml	10 at V _T 500ml	12 at V _T 500ml	10 at V _T 50ml
Moisture output (mg/L)	32	34	32	33
Flow Resistance (cm H₂O)	0.51 at 30L/min 1.73 at 60L/min 3.57 at 90L/min	0.41 at 30L/min 1.53 at 60L/min 2.86 at 90L/min	0.51 at 30L/min 1.73at 60L/min 3.57 at 90L/min	0.10 at 5L/min 0.20 at 10L/min 0.31 at 15L/min
Housing Material	Polypropylene	Polypropylene	Polypropylene	Polypropylene
Product	PVC free Latex free	PVC free Latex free	PVC free Latex free	PVC free Latex free
Weight (g)	25	45	24	12
Sampling port	Lure lock	Lure lock	--	---
Connector patient side	15F/22M	15F/22M	15F/22M	15F/22M
Connector machine side	15M/22F	15M/22F	15M/22F	15M
Shelf life	5 years	5 years	5 years	5 years
Colour code	Blue	Blue	Blue	Blue
Units/package (pcs.)	100	50	100	100

1 According to Nelson Laboratories, Inc., Salt Lake City, USA.

2 According to EN ISO 9360-1:2009.

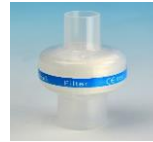
HMEF Technical Parameters

Product Image				
Product REF	EM12-201	EM12-202	EM12-204	EM12-206
Types	HMEF	HMEF	HMEF	HMEF
Dead space (ml)	38	90	38	20
Recommended patient	Adult/Pediatric	Adult	Adult/Pediatric	Pediatric
Tidal volume (ml)	150-1500	350-1500	150-1500	100-500
Bacterial filtration efficiency¹ (%)	99.99%	99.99%	99.99%	99.99%
Viral filtration efficiency¹ (%)	99.9%	99.9%	99.9%	99.9%
Moisture loss² (mg/L)	12 at V _T 500ml	10 at V _T 500ml	12 at V _T 500ml	10 at V _T 50ml
Moisture output (mg/L)	32	34	32	33
Flow Resistance (cm H₂O)	1.53 at 30L/min 4.59 at 60L/min 7.14 at 90L/min	0.92 at 30L/min 2.45 at 60L/min 4.39 at 90L/min	1.53 at 30L/min 4.59 at 60L/min 7.14 at 90L/min	0.41 at 5L/min 0.82 at 10L/min 2.04 at 15L/min
Housing Material	Polypropylene	Polypropylene	Polypropylene	Polypropylene
Product	PVC free Latex free	PVC free Latex free	PVC free Latex free	PVC free Latex free
Weight (g)	25.5	45	24.5	12
Sampling port	Lure lock	Lure lock	--	--
Connector patient side	15F/22M	15F/22M	15F/22M	15F/22M
Connector machine side	15M/22F	15M/22F	15M/22F	15M
Shelf life	5 years	5 years	5 years	5 years
Colour code	Blue	Blue	Blue	Blue
Units/package (pcs.)	100	50	100	100

1 According to Nelson Laboratories, Inc., Salt Lake City, USA.

2 According to EN ISO 9360-1:2009.



HMEF & HEPA Technical Parameters

Product Image					
Product REF	EM12-301	EM12-304	EM12-306	EM12-308	EM12-302
Types	HMEF	HMEF	HMEF	HMEF	HEPA
Dead space (ml)	38	38	20	40	90
Recommended patient	Adult/Pediatric	Adult/Pediatric	Pediatric	Adult/Pediatric	Adult
Tidal volume (ml)	150-1500	150-1500	100-500	150-1500	350-1500
Bacterial filtration efficiency¹ (%)	99.99%	99.99%	99.99%	99.99%	99.99%
Viral filtration efficiency¹ (%)	99.9%	99.9%	99.9%	99.9%	99.9%
Moisture loss² (mg/L)	13 at V _T 500ml	13 at V _T 500ml	11 at V _T 50ml	13 at V _T 500ml	10 at V _T 500ml
Moisture output (mg/L)	30	30	31	30	30
Flow Resistance (cm H₂O)	1.53 at 30L/min 3.77 at 60L/min 6.12 at 90L/min	1.02 at 30L/min 2.55 at 60L/min 5.10 at 90L/min	0.51 at 5L/min 1.22 at 10L/min 1.84 at 15L/min	1.53 at 30L/min 4.59 at 60L/min 7.14 at 90L/min	1.53 at 30L/min 3.77 at 60L/min 6.12 at 90L/min
Housing Material	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene
Product	PVC free Latex free	PVC free Latex free	PVC free Latex free	PVC free Latex free	PVC free Latex free
Weight (g)	27.5	26.5	13	31	50
Sampling port	Lure lock	--	--	Lure lock	Lure lock
Connector patient side	15F/22M	15F/22M	15F/22M	15F/22M	15F/22M
Connector machine side	15M/22F	15M/22F	15M	15M/22F	15M/22F
Shelf life	5 years	5 years	5 years	5 years	5 years
Colour code	Blue	Blue	Blue	Blue	Blue
Units/package (pcs.)	100	100	100	100	50

1 According to Nelson Laboratories, Inc., Salt Lake City, USA.


2 According to EN ISO 9360-1:2009.

HME Technical Parameters

Product Image		
Product REF	EM12-407	EM12-410
Types	HME for tracheostomy patient (Second generation)	HME for tracheostomy patient (Third generation)
Dead space (ml)	22	22
Recommended patient	Adult/Pediatric	Adult/Pediatric
Moisture loss² (mg/L)	--	13 at V _T 500ml
Moisture output (mg/L)	--	28
Flow Resistance (cm H₂O)	0.25 at 30L/min 1.02 at 60L/min 2.04 at 90L/min	0.07 at 30L/min 0.76 at 60L/min 1.73 at 90L/min
Housing Material	Polypropylene	Polypropylene
Product	PVC free Latex free	PVC free Latex free
Weight (g)	11.03	6.3
Connector patient side	15F	15F
Shelf life	5 years	5 years
Colour code	Blue	Blue
Units/package (pcs.)	50	50

² According to EN ISO 9360-1:2009.

PFT Technical Parameters

Product Image						
Product REF	EM12-501	EM12-501A	EM12-502	EM12-503	EM12-503A	EM12-504
Types	Pulmonary function test filter	Pulmonary function test filter	Pulmonary function test filter	Pulmonary function test filter	Pulmonary function test filter	Pulmonary function test filter
Dead space (ml)	110	110	40	100	100	90
Recommended patient	Adult	Adult	Adult	Adult	Adult	Adult
Flow Resistance (cm H₂O)	0.10 at 30L/min	0.10 at 30L/min	0.10 at 30L/min	0.10 at 30L/min	0.10 at 30L/min	0.10 at 30L/min
Housing Material	ABS	ABS	ABS	ABS	ABS	ABS
Product	PVC free Latex free	PVC free Latex free	PVC free Latex free	PVC free Latex free	PVC free Latex free	PVC free Latex free
Weight (g)	48.80	48.80	44.77	47.87	46.51	48.75
Connector machine side	30F(Jacger)	29.5F(Jacger)	22F(Chest)	26F(Cosmed)	26F(Cosmed)	28F(Medisoft)
Shelf life	5 years	5 years	5 years	5 years	5 years	5 years
Colour code	White	White	White	White	White	White
Units/package (pcs.)	50	50	50	50	50	50