









## Bacterial And Viral Filter

Filters are used with patients whose upper airways are being bypassed by an artificial tracheal airway removing the patients natural ability to filter inspired air or receiving artificial ventilator support where a gas is being introduced into a body cavity as during Laparoscopic surgery or to protect equipment, staff and the environment from potential cross contamination within Anaesthesia, Respiratory, Critical Care and Surgical clinical areas.

	Cat. No.	Cat. No.	Cat. No.
	A12A011110 Adult	A12A011210 Adult Angled	A12A011310 Adult
			
Filtration Efficiency(%)	99.999	99.999	99.999
Humidity output	N/A	N/A	N/A
Resistance	100pa@30LPM	100pa@30LPM	60pa@30LPM
Dead Space(ml)	32ml	30ml	30ml
Tidal Volume(ml)	90-1500	90-1500	90-1500
Connections	22M/15F - 22F/15M	22M/15F - 22F/15M	22F/15M-22M
Weight(g)	23	23	23
Gas Monitoring Luer Port	Yes	Yes	NO

	Cat. No.	Cat. No.	Cat. No.
	A12A012110 Pediatric	A12A012210 Pediatric Angled	A12A013110 Infant Angled
			
Filtration Efficiency(%)	99.999	99.999	99.999
Humidity output	N/A	N/A	N/A
Resistance	120pa@15LPM	100pa@15LPM	160pa@7.5LPM
Dead Space(ml)	26ml	32ml	13ml
Tidal Volume(ml)	100-1500	90-1500	>45ml
Connections	22M/15F - 22F/15M	22M/15F - 22F/15M	22M/15F - 22F
Weight(g)	18	19	9
Gas Monitoring Luer Port	Yes	Yes	Yes






	Cat. No.	Cat. No.
	A12A021110 Adult Mechanical HEPA	A12A021210 Adult Angled Mechanical HEPA
		
Filtration Efficiency(%)	99.9999	99.9999
Humidity output	25mg/H2O@VT500ml	25mg/H2O@VT500ml
Resistance	150pa@30LPM	130pa@30LPM
Dead Space(ml)	52ml	60ml
Tidal Volume(ml)	200-1500	200-1500
Connections	22M /15F - 22F/15M	22M /15F - 22F/15M
Weight(g)	40	42
Gas Monitoring Luer Port	Yes	Yes





## Heat Moisture Exchanger (HME)

HME is designed to retain moisture from the gas expired by patients whose upper airway are being bypassed by an artificial airway which removes the patient's natural ability to filter, warm and moisten inspired gas.

The media of HME acts in a similar way to a person's upper airway, when they breathe out the media traps and retains moisture and warmth present in expired breath, which otherwise would be lost.

The HME is made with a special binding process ensuring that the media to retain moisture does not start attracting moisture until the patient starts to breathe through the device.





	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.
	A12B011110 Adult	A12B011210 Adult Angled	A12B022110 Pediatric	A12B022210 Pediatric Angled	A12B013110 Infant Angled
					
Humidity output	31mg/H2O@ VT500ml	31mg/H2O@ VT500ml	>31mg/H2O@ VT500ml	>31mg/H2O@ VT500ml	>31.5mg/H2O@ VT50ml
Resistance	180pa @ 60LPM	130pa @ 60LPM	100pa @ 15LPM	90pa @ 15LPM	20pa @ 10LPM
Dead Space(ml)	53ml	66ml	26ml	31ml	13ml
Tidal Volume(ml)	150-1500	200-1500	90-1500	90-1500	>45
Connections	22M /15F - 22F/15M	22M /15F - 22F/15M	22M /15F - 22F/15M	22M /15F - 22F/15M	22M /15F - 22F
Weight(g)	27	30	19	18	9
Gas Monitoring Luer Port	Yes	Yes	Yes	Yes	Yes




	Cat. No.	Cat. No.	Cat. No.	Cat. No.
	A12B030110 Foam	A12B040210 Corrugated paper	A12B053110 Neonate	A12B060410 Foam
				
Humidity output	26.1mg/H2O@ VT500ml	23.4mg/H2O@ VT500ml	32mg/H2O@ VT25ml	27mg/H2O@ VT500ml
Resistance	46-57pa @ 30LPM	40pa @ 30LPM	90pa @ 5LPM	35pa @ 30LPM
Dead Space(ml)	11ml	11ml	3ml	8ml
Tidal Volume(ml)	>25ml	>25ml	>10ml	>25
Connections	15F	15F	15F - 15M	15F
Weight(g)	8	5	3	9
Gas Monitoring Luer Port	No	No	No	No

## Heat Moisture Exchanger Filter (HMEF)

Heat Moisture Exchanger Filters combine the abilities of filtration with humidification by minimizing moisture loss from expired gases, while performing filtration efficiencies up to 99.9999%, thus saves heat and moisture while reduces risks of cross-contamination.

High Efficiency Paper Pleated Filters with low resistance and high filtration efficiency up to 99.9999% are also available to provide maximum protection over patients in ICU.

HMEF	Cat. No.	Cat. No.	Cat. No.	Cat. No.
	A12C011110 Adult	A12C011210 Adult Angled	A12C022110 Pediatric	A12C022210 Pediatric Angled
				
Humidity Output	31mg/H2O@ VT500ml	31mg/H2O@ VT500ml	31mg/H2O@ VT500ml	31mg/H2O@ VT500ml
Filtration Efficiency(%)	99.999	99.999	99.999	99.999
Resistance	100pa @ 60LPM	130pa @ 60LPM	120pa @ 15LPM	110pa @ 15LPM
Dead Space(ml)	55ml	66ml	26ml	32ml
Tidal Volume(ml)	150-1500	200-1500	120-1500	120-1500
Connections	22M /15F - 22F/15M	22M /15F - 22F/15M	22M /15F - 22F/15M	22M /15F - 22F/15M
Weight(g)	27	31	19	18
Gas Monitoring Luer Port	Yes	Yes	Yes	Yes

HMEF	Cat. No.	Cat. No.	Cat. No.
	A12C013110 Infant Angled	A12C031110 Adult Corrugated Paper	A12C041110 Adult Mechanical HEPA
			
Humidity Output	31.5mg/H2O@ VT50ml	25mg/H2O@VT500ml	31mg/H2O@ VT500ml
Filtration Efficiency(%)	99.999	99.9999	99.9999
Resistance	190pa @ 10LPM	100pa@30LPM	140pa @ 30LPM
Dead Space(ml)	14ml	55ml	55ml
Tidal Volume(ml)	>45	150-1500	150-1500
Connections	22M /15F - 22F/15M	22M /15F - 22F/15M	22M /15F - 22F/15M
Weight(g)	9	27	40
Gas Monitoring Luer Port	Yes	Yes	Yes