

# VENTILATOR TEST SYSTEMS



**Certifier FA Plus**



**PFC-3000**



**Certifier FA Kit**

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**BC Group**   
YOUR ONE-STOP BIOMED SHOP

# VENTILATOR TEST SYSTEM COMPARISON CHART

Ventilator Tester Model	Certifier FA	Certifier FA Plus	PTS2000	VT Plus	VT Mobile	Respicap T300	PFC-3000
Price (US dollars)	\$2,800 - \$3,930	\$4,200 - \$5,345	\$8,100	\$9580	\$5355	\$8399	\$7790
<b>High Flow Rate</b>							
Range (std L/min)	0 to 300	± 0.5 to 300	0 to 300	± 25 to 300	± 25 to 150	25 to 240	±300
Uncertainty	2% of reading or 0.075 std L/min	2% of reading or 0.75 std L/min	1.75% of reading + 0.1 L/min	2% of range	3% of reading or 3 L/min	2% of reading	1.75% of reading or 0.1 L/min
<b>Low Flow Rate</b>	Optional Accessory	Optional Accessory	Standard Accessory	Standard Accessory	Optional Accessory	Standard Accessory	Standard Accessory
Range (std L/min)	0.01 to 15	0.01 to 15	0 to 15	±0.25 to 25	±3 to 25	0.1 to 25	-20 to 20
Uncertainty	2% of reading or 0.025 L/min	2% of reading or 0.025 L/min	1.75% of reading + 0.025 L/min	1% of range	3% of reading or 0.25 L/min	2% reading (10 to 25 L/min) or 4% of reading or 0.1 up to 10 L/min 0.1 L/min	1.75% of reading or 0.05 L/min
<b>Volume using High Flow Rate</b>							
Range	0 to 10 L	0 to 10 L	0 to 10 L	up to 7 L	0.1ml to 10 L	0 to 20 L	0 to 10 L
Uncertainty	2% of reading + 0.02L	2% of reading + 0.01L	2% of reading or 0.02 L	3% of reading or 0.01 L	3% of reading	5% of reading or 0.02 L	2% of reading or 0.02 L
<b>Low Pressure</b>	On High flow module						
Range (cm H2O)	-25 to +150	-25 to +150	0 to 150	0 to 120	-20 to 120	-120 to 120	-150 to 150
Uncertainty	0.75% of reading or 0.2 cm H2O	0.6% of reading or 0.15 cm H2O	0.75% of reading or 0.04 cm H2O	0.75% of reading or 0.5 cm H2O	2% of reading or 2 cm H2O	0.8 cm H2O (12-120 cm H2O) 0.1cm H2O (0 to 12 cm H2O)	0.75% of reading or 0.5 cm H2O
<b>Barometric Pressure</b>							
Range (mm Hg)	375 to 1500	375 to 1500	500 to 825	8 to 18	400 to 900	500 to 900	0 to 860
Uncertainty	8 mm Hg	8 mm Hg	5 mm Hg	Uncertain	2% of reading	7 mm Hg	1% of reading or 4 mm Hg
Uncertainty at 760mm Hg	8 mm Hg	8 mm Hg	5 mm Hg	Uncertain	15.2mm Hg	7 mm Hg	7.6 mm Hg
<b>High Pressure</b>							
Range (kPa)	N/A	0 to 1034	0 to 690	0 to 690	-14 to 690	0 to 690	0 to 1000
Range (psig)	N/A	-10 to 150	0 to 100	0 to 100	-2 to 100	0 to 100	0 to 142
Uncertainty	N/A	1% of reading or 0.1 PSI	1% of reading or 0.1 PSI	1% of reading or 0.1 PSI	2% of reading or 0.2 PSI	0.75 PSI (10 to 100% range) 0.1 PSI (0 to 10% range)	1% of reading or 0.15 PSI
<b>Oxygen Concentration</b>	Optional Accessory	Optional Accessory	Optional Accessory	Standard Accessory	Standard Accessory	Standard Accessory	Standard Accessory
Range	0 to 100	0 to 100	0 to 100	0 to 100	0 to 100	0 to 100	0 to 100
Uncertainty	2%	2%	2%	2%	2%	2%	±1%
<b>Other Sensors</b>	N/A	N/A	N/A		10 to 95% RH	0 to 10 V analog	0 to 100% RH
					0 to 50° C	0 to 24 V digital	0 to 50° C
<b>Weight (base instrument)</b>	0.45 kg	1 kg	2.4 kg	4.5 kg	0.45 kg	4.5 kg	3.7 kg
Power	4 AA batteries	Rechargeable & AC Adapter	100 to 250 V	90 to 132 or 198 to 264 V	Battery & AC Adapter	90 to 260 V	90 to 260 V or Lead-Acic Bat .
Battery life ( typical )	20 hours	3-6 hours	N/A	N/A	7 hours	N/A	2 hours
Warm-up Time	1 minute	1 minute	40 minutes	40 minutes	40 minutes	Unknown	<1 minute
<b>Gases</b>	Air/Oxygen/N2O	Air/O2, Air/O2 mixtures N2/CO2/N2O	Air/Oxygen/N2O	Air/Oxygen/CO2/N2O/ N2	Air/Oxygen/CO2/N2O/ N2	Air/Oxygen/N2	Air/O2, Air/O2 mix, N2O/CO2 and other gases
<b>Software</b>	None	None	Optional (\$495)	Optional (\$164)	Included	Optional	Optional (\$375)

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