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Table 7.9.2		Penetration of test aerosol test					P
Item	Models	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
	Sodium chloride test 95 l/min		5.6	5.7	5.5	5.6	5.7
Paraffin oil test 95 l/min		5.4	5.6	5.7	5.7	5.6	5.5

Table 8.5		Leakage test				P
Item	Models	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
	NaCl flow rate (L/min)		90	100	120	110
NaCl aerosol (um)		0.3	0.3	0.3	0.3	0.3
0.3Pumping flow rate (L/min)		30	30	30	30	30
NaCl concentration before mask (Mg/m3)		2	2	2	2	2
NaCl concentration after mask (Mg/m3)		0.05	0.06	0.07	0.08	0.06

Note: Test ark volume is 2m<sup>3</sup>  
Average Leakage ratio is 8%<11% Calculation formula as below :

$$P(\%) = \frac{C_2}{C_1} \times \left( \frac{I_{IN} + I_{EX}}{I_{IN}} \right) \times 100$$

Table 8.9.2		Exhalation resistance test				
Item	Models	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
	Inhalation gas velocity (L/min)		160	160	160	160
Maximum resistance (mbar)		2.45	2.47	2.45	2.46	2.46

Conclusion: Maximum permitted resistance < 3.0 mbar

Table 8.9.3		Inhalation resistance test				
Item	Models	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
	Inhalation gas velocity (L/min)		30	30	30	30
Maximum resistance (mbar)		0.42	0.44	0.44	0.45	0.43

Conclusion: Maximum Inhalation resistance < 0.7 mbar