ISRP 2002 abstract

Presenter/author	Title	Abstract
Berndtsson , Goran	The Role of Peak Inhalation	It has been well known since the 1940s that humans are capable of breathing much more air, and at much faster flows, than the airflow used in the testing of filters. This is confirmed by a great number of tests on real people at normal work,
The SEA Group, Branford, Connecticut, USA	Air Flow in the Testing of Air Purifying Respirators	yielding a large collection of detailed data. One test involved 90 minutes' continuous logging of the breathing cycle of workers performing normal work routines. Another test measured the breathing of fire fighters climbing the stairs of a high-rise building. The test equipment measured the volume and speed of every
		This paper presents the data and discusses the implications of the findings; among other things, that filters need to be tested at higher, more representative flow rates, and at more than one rate.