

Comment to Annex C (2012 OIML R 126 :2012 version):

MEASUREMENT OF THE FLOWRATE DURING EXHALATION

Material :

Numerical flowrate device TSI 4043

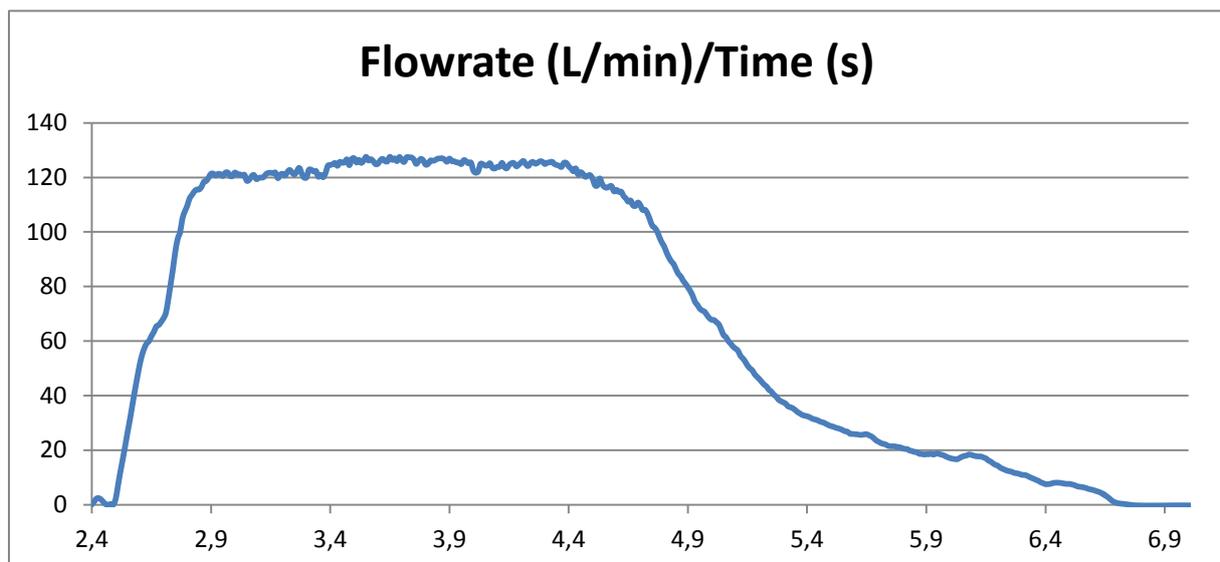
Electronical breath alcohol device

Procedure :

The flowrate device is connected to a computer. The tested person is breathing through a flowrate device with and without a breath alcohol device. The breath flowrate is registered thanks a software from TSI linked to the device.

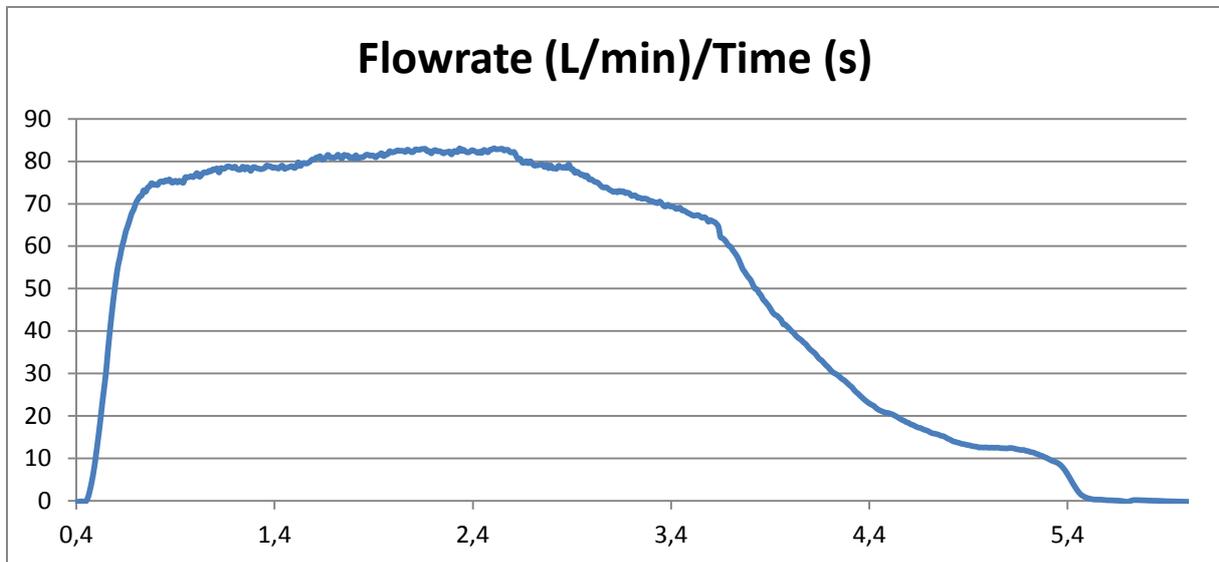
Results :

The curve of the measurement flowrate during exhalation **without** breath alcohol device:



Results :

The curve of the measurement flowrate during exhalation **with** a breath alcohol device (higher backpressure):



The curve is divided into 3 distinct areas:

- the first part of the curve represents the peak of the flow at the time of the exhalation;
- the second part represents a plateau
- the third part represents a regular decrease in the flow of breath.