

# Laboratory Instruments - I.C. Lab 1000

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## Models:

### I.C. Lab 1000

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#### Technical Description

Highly accurate, automatic tool for the determination of the Colmation Index for the analysis of the filterability of musts, wines and all food liquids.

The Colmation Index is a semi-empirical parameter for evaluating of the filterability of a liquid matrix such as wine, in order to predict the performance of a pre-bottling "final filtration" system, in which the said wine is to be fed.

The I.C. Lab 1000 instrument is capable of evaluating the filterability of both extremely strained liquids and microfiltered liquids with low levels of straining. P.F.T. (Pre-Filtration Test) analysis of colmatant liquids is carried out using a exclusive method developed by DIEMME Enology that allows an evaluation of the filterability of wines and raw musts.

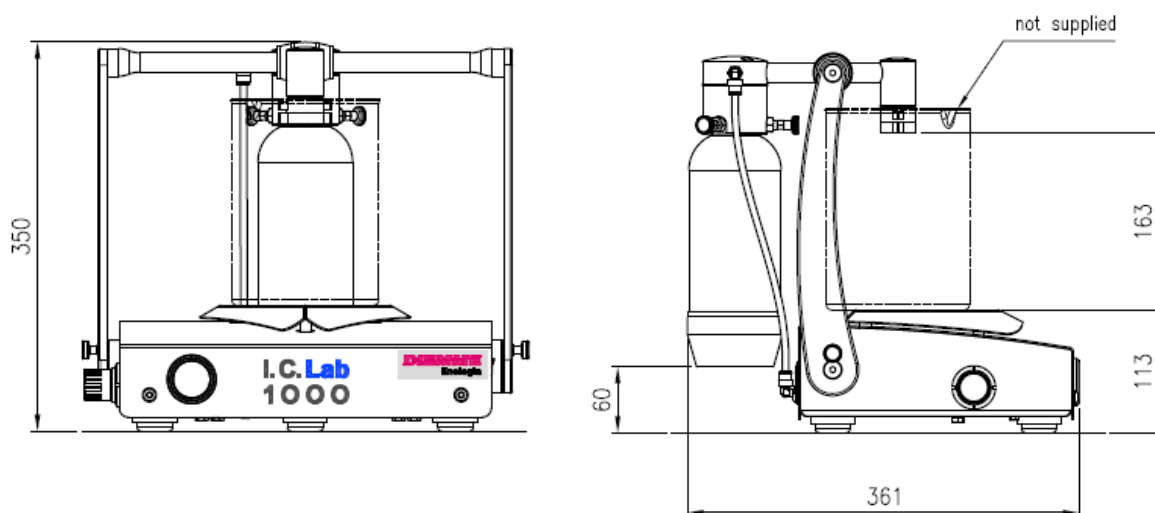
#### Pre-Filtration Test (P.F.T.)

Currently available methodologies are aimed at evaluating the "filterability" of wine that has already been "filtered" with a tangential, flour or cartridge filter (MicroFlex), while there are no methodologies to evaluate the filterability of "raw" wine. The P.F.T. test is an innovative test that permits to evaluate the filterability of a "raw" wine before subjecting it to filtration with MicroFlex or other filtration system. The test was developed by the R&D department of DIEMME Enologia by processing experimental data collected during countless filtration tests. The test is performed automatically by our I.C. Lab 1000 instrument properly equipped with 47 mm diameter EMC (mixed cellulose esters) membrane housing and 1.0 micron filtration grade and requires a volume of raw wine equal to 1 l.

The test consists of measuring the amount of wine filtered at constant pressure (2.0 bar) and temperature of 20 °C in 50 seconds.



## Technical data **I.C. Lab 1000**



I.C. Lab  
1000

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|------------|----|-------------|--|--|--|--|--|
| Dimensions | mm | 400x360x450 |  |  |  |  |  |
| Weight     | kg | 15          |  |  |  |  |  |