

# ISO 10121-2:2013-04 (E)

## Test methods for assessing the performance of gas-phase air cleaning media and devices for general ventilation - Part 2: Gas-phase air cleaning devices (GPACD)

---

Contents	Page
Foreword .....	iv
Introduction .....	v
1 Scope .....	1
2 Normative references .....	1
3 Terms and definitions .....	1
4 Symbols and abbreviated terms .....	6
4.1 Symbols .....	6
4.2 Abbreviated terms .....	7
5 Testing of GPACDs .....	8
5.1 General .....	8
5.2 Test setup and normative section of test stand .....	8
5.3 Raw data, sampling accuracy and normative generation parameters .....	9
5.4 Test parameters selected between user and supplier .....	10
5.5 Simplified benchmark setup .....	11
6 Test sequence .....	13
6.1 General .....	13
6.2 Conditioning and pressure drop determination .....	13
6.3 Initial removal efficiency .....	14
6.4 Capacity determination .....	16
6.5 Retentivity determination .....	19
7 Validation of test setup .....	20
7.1 General .....	20
7.2 Determination of rise time and decay time .....	20
8 Evaluation and report .....	22
8.1 Test report introduction .....	22
8.2 Test report example .....	23
9 Safety features .....	27
Annex A (normative) Test equipment requirements, equipment validation and routine operation .....	28
Annex B (informative) Challenge gases, generation sources and analysis techniques .....	31
Annex C (informative) Test equipment designs .....	36
Bibliography .....	39