

DIN EN 16445:2013-05 (E)

Ventilation for buildings - Air diffusion - Aerodynamic testing and rating for mixed flow application: non-isothermal procedure for cold jet

Contents		Page
Foreword		3
1	Scope	4
2	Normative references	4
3	Terms and definitions	4
4	Symbols (and abbreviated terms)	6
5	Requirements	7
5.1	Instrumentation	7
5.1.1	Air flow rate measurement	7
5.1.2	Temperature measurements	7
5.1.3	Velocity measurements	7
5.2	Test room and conditions	7
5.3	ATD isothermal characteristics	7
6	Test to measure the non isothermal air discharge characteristics of a supply ATD	8
6.1	Installation of ATD	8
6.2	Test procedure for horizontal cold jet	10
6.2.1	Test conditions	10
6.2.2	Preliminary conditions prior to formal measurement	10
6.2.3	Measurements	11
7	Report	19
7.1	Test conditions	19
7.2	Results	19
Bibliography		21