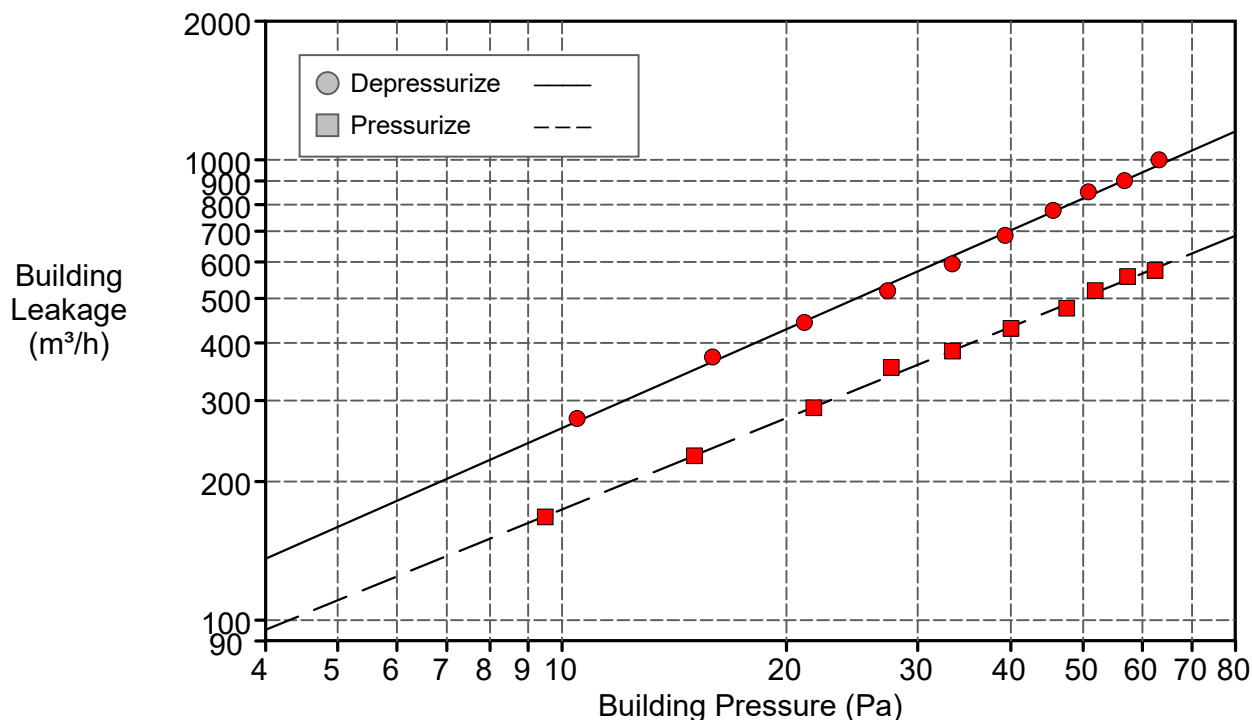




Date of Test: 16.09.2024 Test File: КП Гармония

Building Information

Internal Volume, V (m³) (according to ISO)	295
Net Floor Area, A _F (m²) (according to ISO)	91.9
Envelope Area, A _E (m²) (according to ISO)	
Height (m)	
Uncertainty of Dimensions (%)	
Year of Construction	2024
Type of Heating	
Type of Air Conditioning	
Type of Ventilation	None
Building Wind Exposure	Partly Exposed Building
Wind Class	Light Air

Equipment Information

Type	Manufacturer	Model	Serial Number	Custom Calibration Date
Fan	Energy Conservatory	Model 4 (230V)		-
Micromanometer	Energy Conservatory	DG700	61949	03.06.2014

Date of Test: 16.09.2024 Test File: КП Гармония

Depressurization Test 1:

Environmental Data

Indoor Temperature (°C)	Outdoor Temperature (°C)	Barometric Pressure (Pa)
19.0	15.0	101325.0

Pre-Test Baseline Pressure Data Post-Test

$\Delta p_{0,1-}$	$\Delta p_{0,1+}$	$\Delta p_{0,1}$	$\Delta p_{0,2-}$	$\Delta p_{0,2+}$	$\Delta p_{0,2}$
-0.3	0.0	-0.3	-1.5	0.0	-1.5

Data Points - Semi-Automated Test (TTE 5.0.8.4)

Nominal Building Pressure (Pa)	Baseline adjusted Building Pressure (Pa)	Fan Pressure (Pa)	Nominal Flow q_r (m³/h)	Adjusted Flow q_{env} (m³/h)	Adjusted Flow q_L (m³/h)	% Error	Fan Configuration
-0.3	n/a	n/a					
-64.1	-63.2	158.0	1010	995	1000	2.5	Ring B
-57.7	-56.8	128.3	911	897	902	-0.2	Ring B
-51.7	-50.8	114.7	862	849	853	2.2	Ring B
-46.4	-45.5	95.2	785	773	777	0.7	Ring B
-40.2	-39.3	74.1	693	683	686	-1.2	Ring B
-34.3	-33.4	55.5	601	591	594	-3.8	Ring B
-28.2	-27.3	42.4	525	517	520	-3.0	Ring B
-22.0	-21.1	30.8	448	441	443	-0.6	Ring B
-16.8	-15.9	21.7	377	371	373	2.3	Ring B
-11.4	-10.5	175.1	277	273	274	1.4	Ring C
-1.5	n/a	n/a					

Deviations from Standard ISO 9972 - Test Parameters

None

Date of Test: 16.09.2024 Test File: КП Гармония

Pressurization Test 1:

Environmental Data

Indoor Temperature (°C)	Outdoor Temperature (°C)	Barometric Pressure (Pa)
19.0	16.0	101325.0

Pre-TestBaseline Pressure DataPost-Test

$\Delta p_{0,1-}$	$\Delta p_{0,1+}$	$\Delta p_{0,1}$	$\Delta p_{0,2-}$	$\Delta p_{0,2+}$	$\Delta p_{0,2}$
-0.1	0.1	-0.1	0.0	1.2	1.2

Data Points - Semi-Automated Test (TTE 5.0.8.4)

Nominal Building Pressure (Pa)	Baseline adjusted Building Pressure (Pa)	Fan Pressure (Pa)	Nominal Flow q_r (m³/h)	Adjusted Flow q_{env} (m³/h)	Adjusted Flow q_L (m³/h)	% Error	Fan Configuration
-0.1	n/a	n/a					
63.0	62.4	50.3	572	574	575	-1.2	Ring B
57.9	57.4	47.4	555	557	558	1.4	Ring B
52.5	51.9	41.1	518	519	520	1.0	Ring B
48.1	47.5	34.4	473	475	475	-2.2	Ring B
40.6	40.0	28.1	428	430	430	-0.9	Ring B
34.0	33.4	22.3	382	383	384	-0.4	Ring B
28.2	27.6	278.6	352	353	354	3.9	Ring C
22.3	21.8	188.5	288	289	289	-0.6	Ring C
15.6	15.1	118.3	226	227	227	-0.3	Ring C
10.1	9.5	65.3	167	167	167	-0.6	Ring C
1.2	n/a	n/a					

Deviations from Standard ISO 9972 - Test Parameters

None

Date of Test: 16.09.2024 Test File: КП Гармония

Comments

Проверка на герметичность ограждающих конструкций.

Согласно российскому ГОСТ 31167-2009 (Приложение Д, таблица Д.1) кратность воздухообмена n_{50} считается "нормальной", если находится в диапазоне 2-4ед.

По результатам теста данная величина $n_{50}=2,25$ ед (при перепаде 50Па), что соответствует действующим нормативам.
