

Solid Air Climate Solutions casing leakage test sheet According to standard NEN-EN 1751-2014

Date:	3/27/2025	Test reference number:	25-8-08
Exp. Date:	3/27/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV

Model (Name/Type): **Variabele Volumeregelaar Rechthoekig, VRVRSO 200x200** Result: **ATC2 (D)**

Measurement conditions <input type="checkbox"/>	
Air temperature (C°)	19
Atmospheric pressure (hPa)	1021
Correction factor	1.000
Case Width (m)	0.2
Case height (m)	0.2
Case Length (m)	0.5
Duct surface (real) (m ²)	0.40
Duct surface (virtual) (m ²)*	0.80
<small>* Case length 1m is used in calculations when real Case length <1m (As specified by LUKA)</small>	



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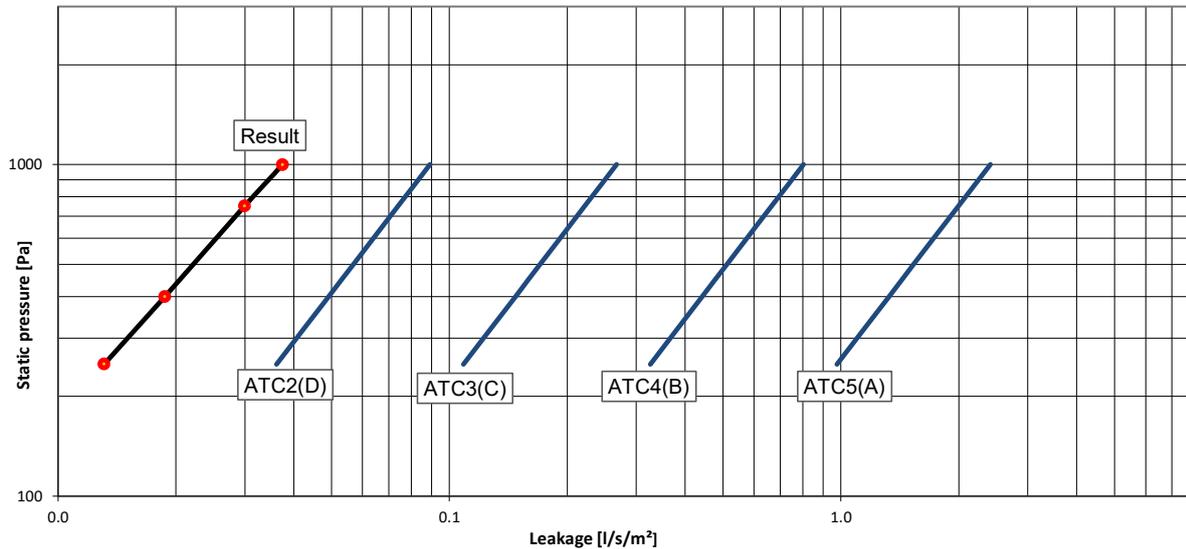
Scheepswervenweg 1
9608 PD Westerbroek
Tel: +31 598 36 12 21
www.solid-air.com

Measurement equipment	
Brand	Lindab
Air leakage tester type	LT 600
Serial No.	662
Adapter (- / 0,3 / 3,0)	0.3

Test duration 60 sec.		
Visual deformation?	N	
Max. test pressure	1000	Pa
TÜV certificate	P-97/52-30	

Reading					NEN-EN 1751-2014			
	Static Pressure	Measured Leakage	Corrected Leakage	Leakage Duct surface	ATC5 (A)	ATC4 (B)	ATC3 (C)	ATC2 (D)
	(Pa)	(l/s)	(l/s)	(l/s/m ²)				
1	250	0.011	0.011	0.013	0.98	0.33	0.11	0.04
2	400	0.015	0.015	0.019	1.33	0.44	0.15	0.05
3	750	0.024	0.024	0.030	2.00	0.67	0.22	0.07
4	1000	0.030	0.030	0.038	2.41	0.80	0.27	0.09

Classification of casing leakage



* Classification result is the same for all models as tested model, unless indicated otherwise.

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Solid Air Climate Solutions casing leakage test sheet According to standard NEN-EN 1751-2014

Date:	3/27/2025	Test reference number:	25-8-07
Exp. Date:	3/27/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV

Model (Name/Type): **Variabele Volumeregelaar Rechthoekig, VRVRSO 450x200** Result: **ATC2 (D)**

Measurement conditions <input type="checkbox"/>	
Air temperature (C°)	19
Atmospheric pressure (hPa)	1021
Correction factor	1.000
Case Width (m)	0.45
Case height (m)	0.2
Case Length (m)	0.5
Duct surface (real) (m ²)	0.65
Duct surface (virtual) (m ²)*	1.30
<small>* Case length 1m is used in calculations when real Case length <1m (As specified by LUKA)</small>	



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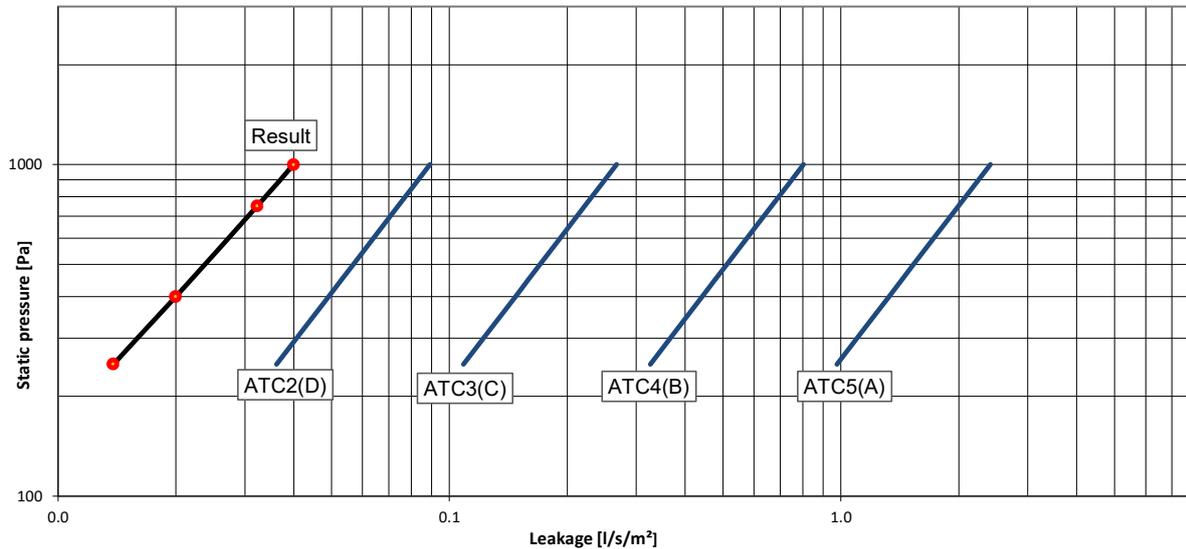
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Measurement equipment	
Brand	Lindab
Air leakage tester type	LT 600
Serial No.	662
Adapter (- / 0,3 / 3,0)	0.3

Test duration 60 sec.		
Visual deformation?	N	
Max. test pressure	1000	Pa
TÜV certificate	P-97/52-30	

Reading					NEN-EN 1751-2014			
	Static Pressure	Measured Leakage	Corrected Leakage	Leakage Duct surface	ATC5 (A)	ATC4 (B)	ATC3 (C)	ATC2 (D)
	(Pa)	(l/s)	(l/s)	(l/s/m ²)				
1	250	0.018	0.018	0.014	0.98	0.33	0.11	0.04
2	400	0.026	0.026	0.020	1.33	0.44	0.15	0.05
3	750	0.042	0.042	0.032	2.00	0.67	0.22	0.07
4	1000	0.052	0.052	0.040	2.41	0.80	0.27	0.09

Classification of casing leakage



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Solid Air Climate Solutions casing leakage test sheet According to standard NEN-EN 1751-2014

Date:	3/27/2025	Test reference number:	25-8-09
Exp. Date:	3/27/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV

Model (Name/Type): **Variabele Volumeregelaar Rechthoekig, VRVRSO 700x400** Result: **ATC2 (D)**

Measurement conditions <input type="checkbox"/>	
Air temperature (C°)	19
Atmospheric pressure (hPa)	1021
Correction factor	1.000
Case Width (m)	0.7
Case height (m)	0.4
Case Length (m)	0.5
Duct surface (real) (m ²)	1.10
Duct surface (virtual) (m ²)*	2.20
<small>* Case length 1m is used in calculations when real Case length <1m (As specified by LUKA)</small>	



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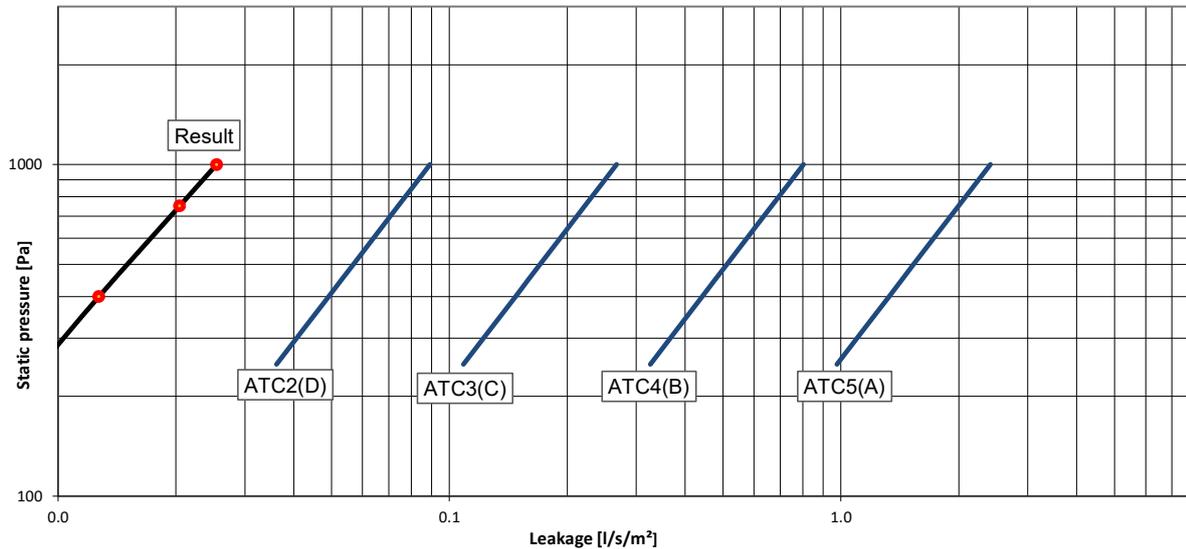
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Measurement equipment	
Brand	Lindab
Air leakage tester type	LT 600
Serial No.	662
Adapter (- / 0,3 / 3,0)	0.3

Test duration 60 sec.		
Visual deformation?	N	
Max. test pressure	1000	Pa
TÜV certificate	P-97/52-30	

Reading					NEN-EN 1751-2014			
	Static Pressure	Measured Leakage	Corrected Leakage	Leakage Duct surface	ATC5 (A)	ATC4 (B)	ATC3 (C)	ATC2 (D)
	(Pa)	(l/s)	(l/s)	(l/s/m ²)				
1	250	0.020	0.020	0.009	0.98	0.33	0.11	0.04
2	400	0.028	0.028	0.013	1.33	0.44	0.15	0.05
3	750	0.045	0.045	0.020	2.00	0.67	0.22	0.07
4	1000	0.056	0.056	0.025	2.41	0.80	0.27	0.09

Classification of casing leakage



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Solid Air Climate Solutions casing leakage test sheet

According to standard NEN-EN 1751-2014

Date:	3/27/2025	Test reference number:	25-8-10
Exp. Date:	3/27/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV

Model (Name/Type): **Variabele Volumeregelaar Rechthoekig, VRVRSO 800x250** Result: **ATC2 (D)**

Measurement conditions <input type="checkbox"/>	
Air temperature (C°)	19
Atmospheric pressure (hPa)	1021
Correction factor	1.000
Case Width (m)	0.8
Case height (m)	0.25
Case Length (m)	0.5
Duct surface (real) (m ²)	1.05
Duct surface (virtual) (m ²)*	2.10
<small>* Case length 1m is used in calculations when real Case length <1m (As specified by LUKA)</small>	



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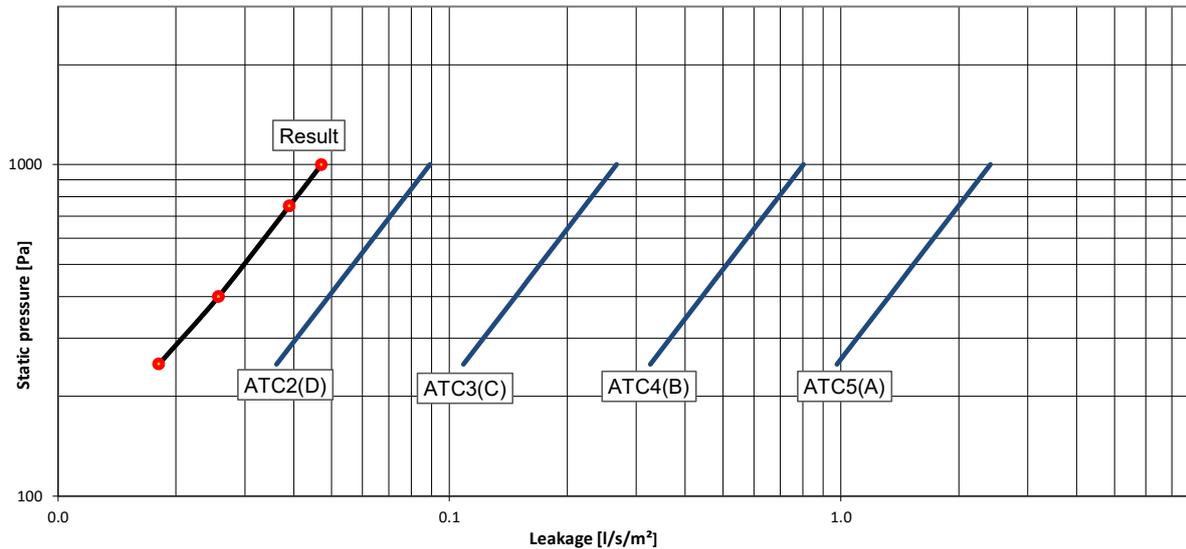
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Air leakage tester type	LT 600
Serial No.	662
Adapter (- / 0,3 / 3,0)	0.3

Test duration 60 sec.		
Visual deformation?	N	
Max. test pressure	1000	Pa
TÜV certificate	P-97/52-30	

Reading					NEN-EN 1751-2014			
	Static	Measured	Corrected	Leakage				
	Pressure	Leakage	Leakage	Duct surface	ATC5 (A)	ATC4 (B)	ATC3 (C)	ATC2 (D)
	(Pa)	(l/s)	(l/s)	(l/s/m ²)				
1	250	0.038	0.038	0.018	0.98	0.33	0.11	0.04
2	400	0.054	0.054	0.026	1.33	0.44	0.15	0.05
3	750	0.082	0.082	0.039	2.00	0.67	0.22	0.07
4	1000	0.099	0.099	0.047	2.41	0.80	0.27	0.09

Classification of casing leakage



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