

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

Date:	11/4/2025	Test reference number:	25-16-04
Exp. Date:	11/4/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV

Model (Name/Type): **Brandklep rechthoekig, FD40 ORO 300x300** Result: **ATC3 (C)**

Measurement conditions <input type="checkbox"/>	
Air temperature (C°)	18
Atmospheric pressure (hPa)	1016
Correction factor	1.000
Case Width (m)	0.3
Case height (m)	0.3
Case Length (m)	0.35
Duct surface (real) (m ²)	0.42
Duct surface (virtual) (m ²)*	1.20
<small>* Case length 1m is used in calculations when real Case length <1m (As specified by LUKA)</small>	



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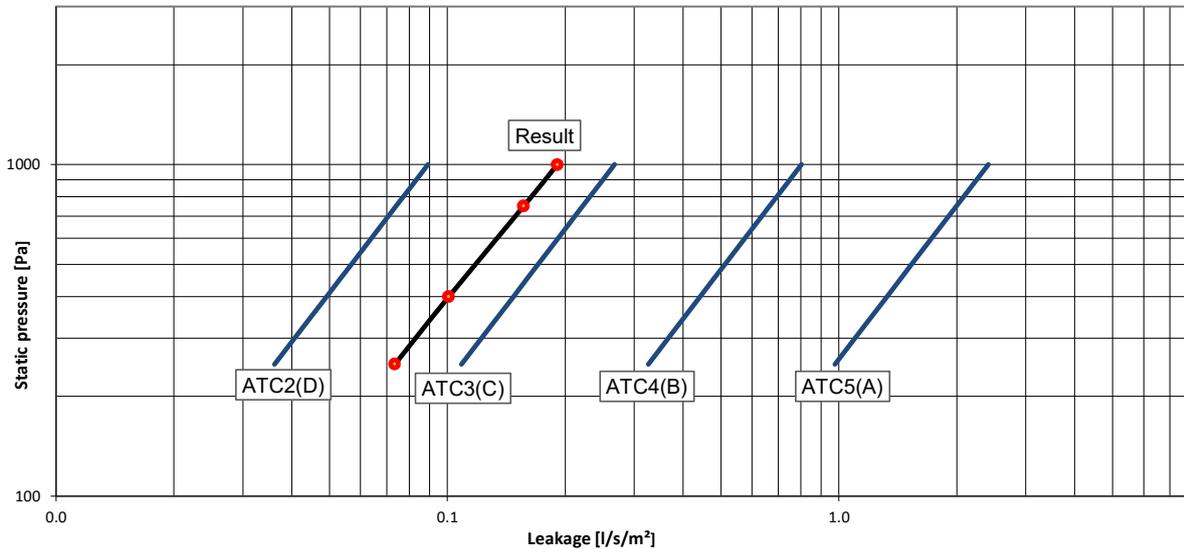
Scheepswervenweg 1
9608 PD Westerbroek
Tel: +31 598 36 12 21
www.solid-air.com

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	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	0.088	0.088	0.073	0.98	0.33	0.11	0.04
2	400	0.121	0.121	0.101	1.33	0.44	0.15	0.05
3	750	0.188	0.188	0.157	2.00	0.67	0.22	0.07
4	1000	0.229	0.229	0.191	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:	11/4/2025	Test reference number:	25-16-05
Exp. Date:	11/4/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV

Model (Name/Type): **Brandklep rechthoekig, FD40 ORO 400x400** Result: **ATC3 (C)**

Measurement conditions <input type="checkbox"/>	
Air temperature (C°)	18
Atmospheric pressure (hPa)	1016
Correction factor	1.000
Case Width (m)	0.4
Case height (m)	0.4
Case Length (m)	0.35
Duct surface (real) (m ²)	0.56
Duct surface (virtual) (m ²)*	1.60
<small>* Case length 1m is used in calculations when real Case length <1m (As specified by LUKA)</small>	



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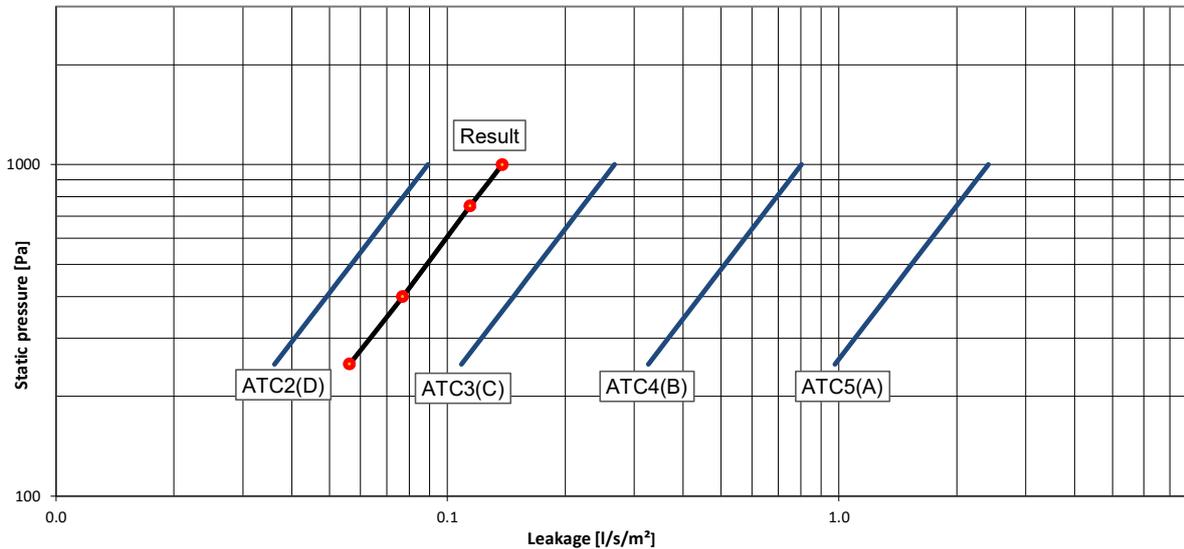
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Measurement equipment	
Brand	Lindab
Air leakage tester type	LT 600
Serial No.	662
Adapter (- / 0,3 / 3,0)	0.3

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	0.090	0.090	0.056	0.98	0.33	0.11	0.04
2	400	0.123	0.123	0.077	1.33	0.44	0.15	0.05
3	750	0.183	0.183	0.114	2.00	0.67	0.22	0.07
4	1000	0.221	0.221	0.138	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:	11/4/2025	Test reference number:	25-16-06
Exp. Date:	11/4/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV

Model (Name/Type): **Brandklep rechthoekig, FD40 ORO 500x200** Result: **ATC3 (C)**

Measurement conditions <input type="checkbox"/>	
Air temperature (C°)	19
Atmospheric pressure (hPa)	981
Correction factor	1.000
Case Width (m)	0.5
Case height (m)	0.2
Case Length (m)	0.35
Duct surface (real) (m ²)	0.49
Duct surface (virtual) (m ²)*	1.40
<small>* Case length 1m is used in calculations when real Case length <1m (As specified by LUKA)</small>	



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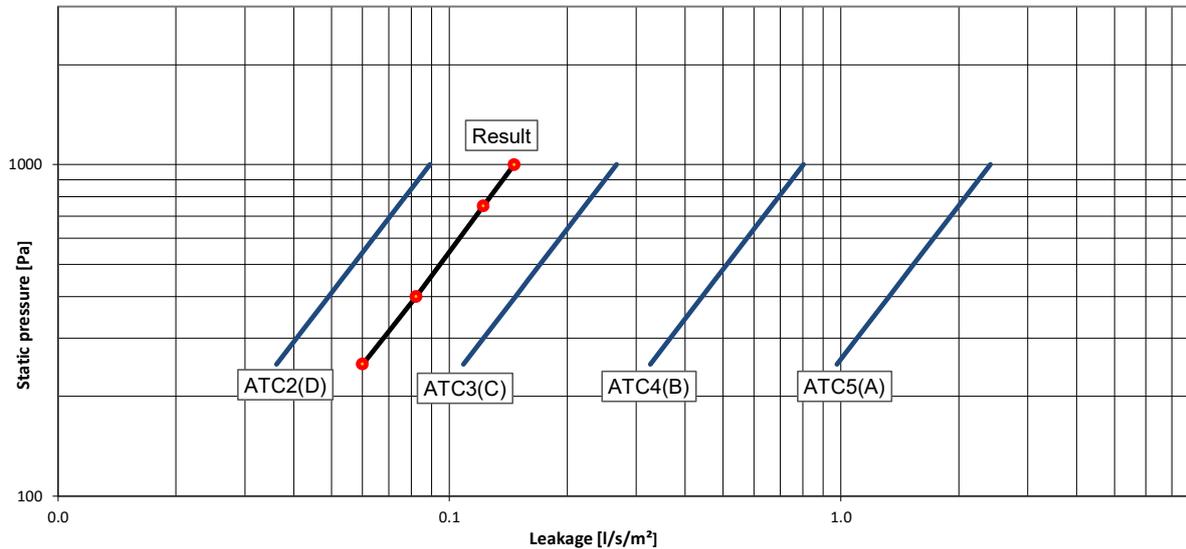
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Measurement equipment	
Brand	Lindab
Air leakage tester type	LT 600
Serial No.	662
Adapter (- / 0,3 / 3,0)	0.3

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	0.084	0.084	0.060	0.98	0.33	0.11	0.04
2	400	0.115	0.115	0.082	1.33	0.44	0.15	0.05
3	750	0.171	0.171	0.122	2.00	0.67	0.22	0.07
4	1000	0.205	0.205	0.146	2.41	0.80	0.27	0.09

Classification of casing leakage



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