

## Solid Air Climate Solutions casing leakage test sheet

### According to standard NEN-EN 1751-2014

Date:	10/23/2025	Test reference number:	25-16-01
Exp. Date:	10/23/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV

Model (Name/Type): **Brandklep rechthoekig, FD25 ORO 400x200** Result: **ATC3 (C)**

Measurement conditions <input type="checkbox"/>	
Air temperature (C°)	19
Atmospheric pressure (hPa)	981
Correction factor	1.000
Case Width (m)	0.4
Case height (m)	0.2
Case Length (m)	0.35
Duct surface (real) (m <sup>2</sup> )	0.42
Duct surface (virtual) (m <sup>2</sup> )*	1.20
* Case length 1m is used in calculations when real Case length <1m (As specified by LUKA)	



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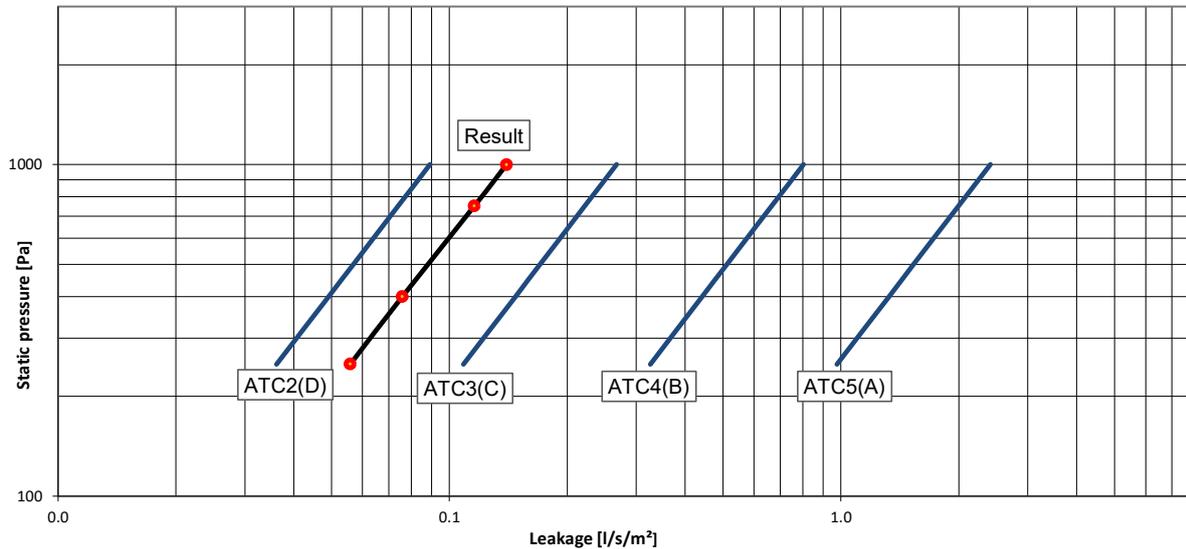
Scheepswervenweg 1  
9608 PD Westerbroek  
Tel: +31 598 36 12 21  
[www.solid-air.com](http://www.solid-air.com)

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 <sup>2</sup> )				
1	250	0.067	0.067	0.056	0.98	0.33	0.11	0.04
2	400	0.091	0.091	0.076	1.33	0.44	0.15	0.05
3	750	0.139	0.139	0.116	2.00	0.67	0.22	0.07
4	1000	0.168	0.168	0.140	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:	10/23/2025	Test reference number:	25-16-03
Exp. Date:	10/23/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV

Model (Name/Type): **Brandklep rechthoekig, FD25 ORO 400x400** Result: **ATC3 (C)**

Measurement conditions <input type="checkbox"/>	
Air temperature (C°)	19
Atmospheric pressure (hPa)	981
Correction factor	1.000
Case Width (m)	0.4
Case height (m)	0.4
Case Length (m)	0.35
Duct surface (real) (m <sup>2</sup> )	0.56
Duct surface (virtual) (m <sup>2</sup> )*	1.60
<small>* Case length 1m is used in calculations when real Case length &lt;1m (As specified by LUKA)</small>	



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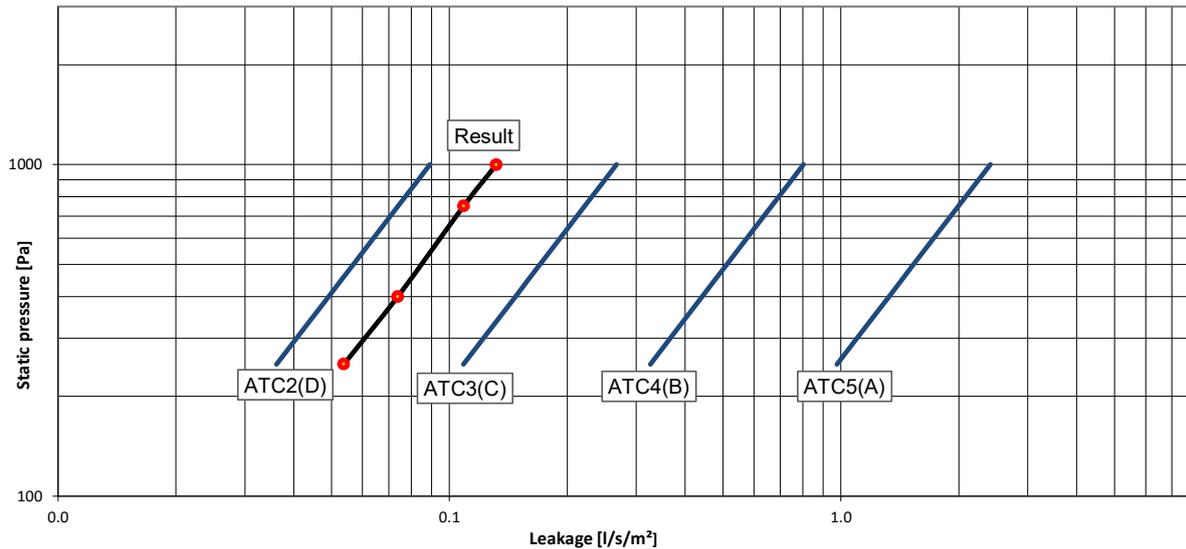
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Measurement equipment	
Brand	Lindab
Air leakage tester type	LT 600
Serial No.	662
Adapter (- / 0,3 / 3,0)	0.3

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 <sup>2</sup> )				
1	250	0.086	0.086	0.054	0.98	0.33	0.11	0.04
2	400	0.118	0.118	0.074	1.33	0.44	0.15	0.05
3	750	0.174	0.174	0.109	2.00	0.67	0.22	0.07
4	1000	0.211	0.211	0.132	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:	10/23/2025	Test reference number:	25-16-02
Exp. Date:	10/23/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV

Model (Name/Type): **Brandklep rechthoekig, FD25 ORO 600x300** Result: **ATC3 (C)**

Measurement conditions <input type="checkbox"/>	
Air temperature (C°)	19
Atmospheric pressure (hPa)	981
Correction factor	1.000
Case Width (m)	0.6
Case height (m)	0.3
Case Length (m)	0.35
Duct surface (real) (m <sup>2</sup> )	0.63
Duct surface (virtual) (m <sup>2</sup> )*	1.80
<small>* Case length 1m is used in calculations when real Case length &lt;1m (As specified by LUKA)</small>	



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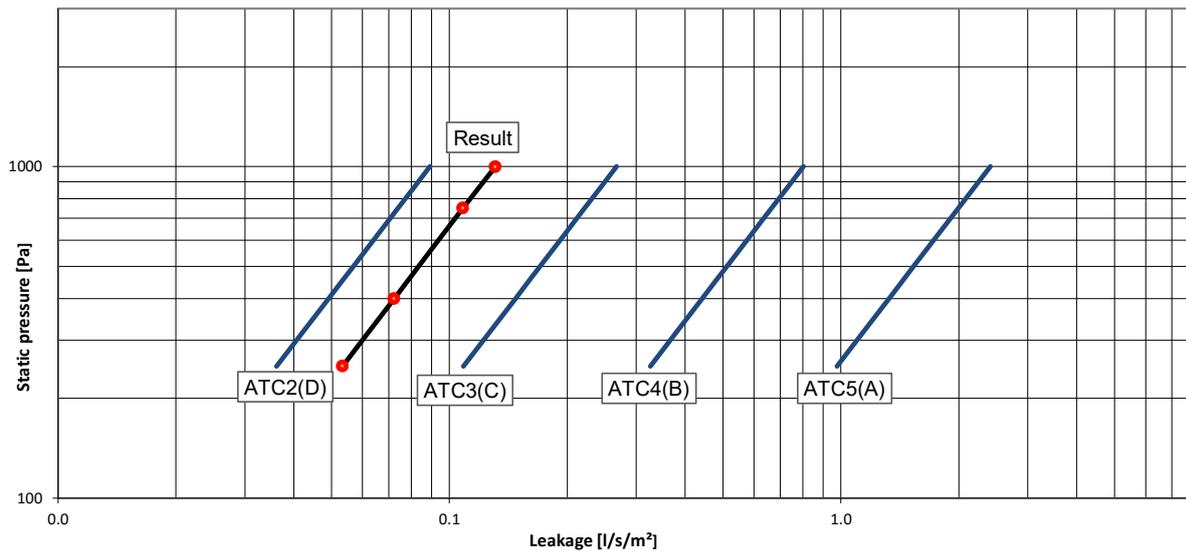
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Max. test pressure	1000	Pa
TÜV certificate	P-97/52-30	

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 <sup>2</sup> )				
1	250	0.096	0.096	0.053	0.98	0.33	0.11	0.04
2	400	0.130	0.130	0.072	1.33	0.44	0.15	0.05
3	750	0.195	0.195	0.108	2.00	0.67	0.22	0.07
4	1000	0.236	0.236	0.131	2.41	0.80	0.27	0.09

### Classification of casing leakage



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