

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

Date:	4/16/2025	Test reference number:	25-08-01
Exp. Date:	4/16/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV

Model (Name/Type):	Variabele volumeregelaar rond, VVOSMOO 100	Result: ATC2 (D)
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Measurement conditions \emptyset	
Air temperature (C°)	20
Atmospheric pressure (hPa)	1006
Correction factor	1.000
Case Diameter (m)	0.1
Case length (m)	0.4
Duct surface (real) (m ²)	0.126
Duct surface (virtual) (m ²)*	0.314
<small>* Case length 1m is used in calculations when real Case length <1m (As specified by LUKA)</small>	



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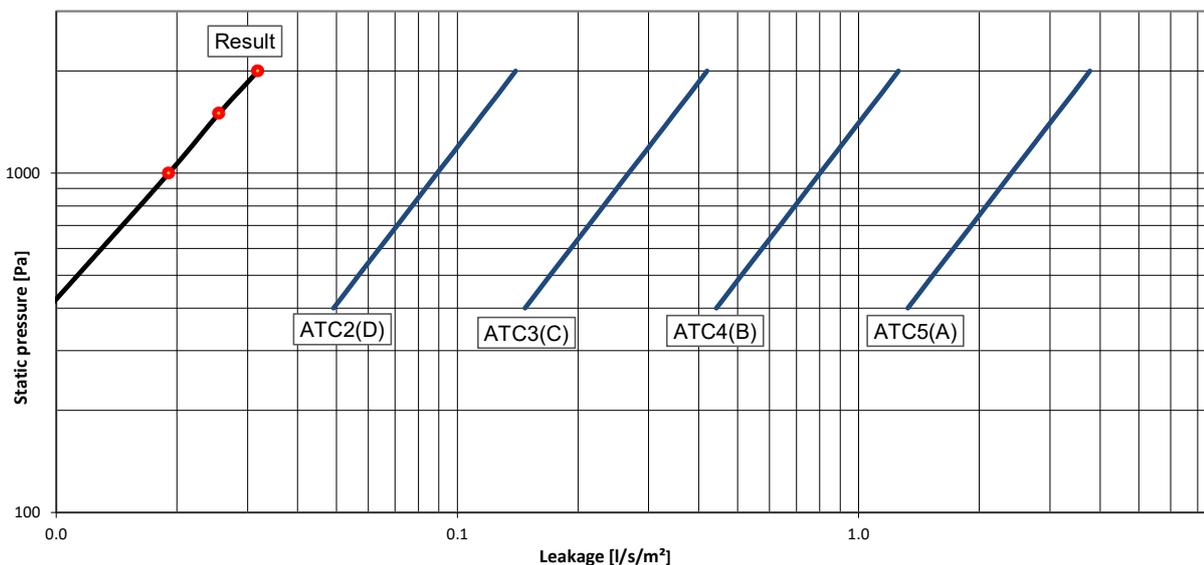
Scheepswervenweg 1
9608 PD Westerbroek
Tel: +31 598 36 12 21
www.solid-air.com

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	2000	Pa
TÜV certificate	P-97/52-30	

Reading	Static Pressure (Pa)	Measured Leakage (l/s)	Corrected Leakage (l/s)	Leakage Duct surface (l/s/m ²)	NEN-EN 1751-2014			
					ATC5 (A)	ATC4 (B)	ATC3 (C)	ATC2 (D)
					(l/s/m ²)	(l/s/m ²)	(l/s/m ²)	(l/s/m ²)
1	400	0.003	0.003	0.010	1.33	0.44	0.15	0.05
2	1000	0.006	0.006	0.019	2.41	0.80	0.27	0.09
3	1500	0.008	0.008	0.025	3.13	1.04	0.35	0.12
4	2000	0.010	0.010	0.032	3.78	1.26	0.42	0.14

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:	4/16/2025	Test reference number:	25-08-02
Exp. Date:	4/16/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV
Model (Name/Type):	Variabele volumeregelaar rond, VVOSMOO 125		Result: ATC2 (D)

Measurement conditions \emptyset	
Air temperature (C°)	20
Atmospheric pressure (hPa)	1006
Correction factor	1.000
Case Diameter (m)	0.125
Case length (m)	0.4
Duct surface (real) (m ²)	0.157
Duct surface (virtual) (m ²)*	0.393
* Case length 1m is used in calculations when real Case length <1m (As specified by LUKA)	



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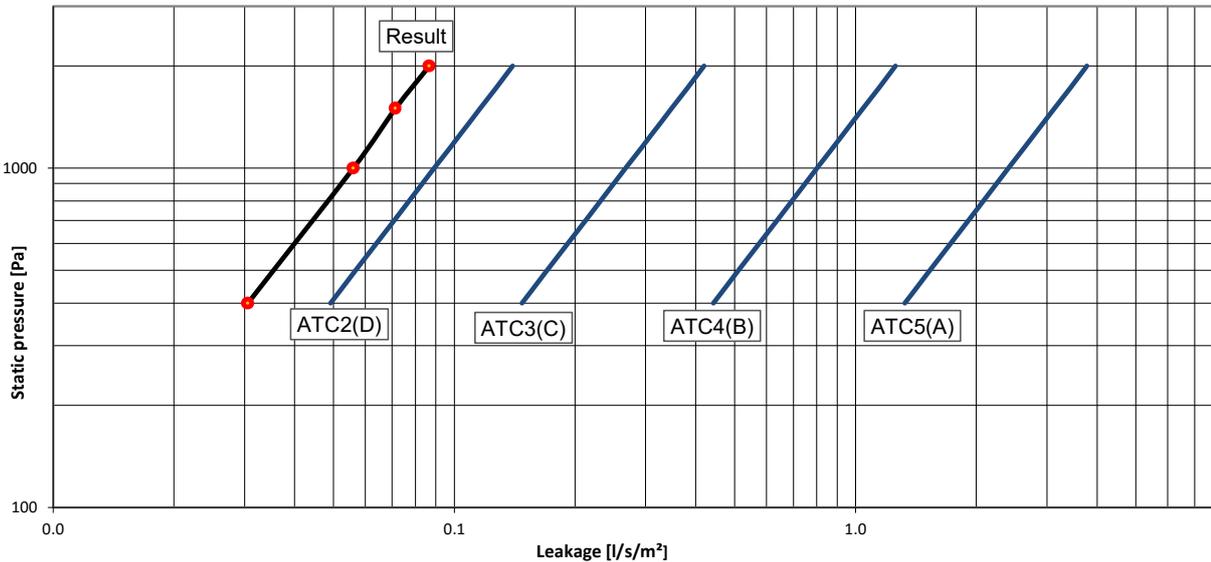
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9608 PD Westerbroek
Tel: +31 598 36 12 21
www.solid-air.com

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	2000	Pa
TÜV certificate	P-97/52-30	

Reading	Static Pressure (Pa)	Measured Leakage (l/s)	Corrected Leakage (l/s)	Leakage Duct surface (l/s/m ²)	NEN-EN 1751-2014			
					ATC5 (A)	ATC4 (B)	ATC3 (C)	ATC2 (D)
					(l/s/m ²)	(l/s/m ²)	(l/s/m ²)	(l/s/m ²)
1	400	0.012	0.012	0.031	1.33	0.44	0.15	0.05
2	1000	0.022	0.022	0.056	2.41	0.80	0.27	0.09
3	1500	0.028	0.028	0.071	3.13	1.04	0.35	0.12
4	2000	0.034	0.034	0.087	3.78	1.26	0.42	0.14

Classification of casing leakage



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

Date:	4/16/2025	Test reference number:	25-08-03
Exp. Date:	4/16/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV

Model (Name/Type):	Variabele volumeregelaar rond, VVOSMOO 160	Result: ATC2 (D)
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Measurement conditions \emptyset	
Air temperature (C°)	20
Atmospheric pressure (hPa)	1006
Correction factor	1.000
Case Diameter (m)	0.16
Case length (m)	0.4
Duct surface (real) (m ²)	0.201
Duct surface (virtual) (m ²)*	0.503
<small>* Case length 1m is used in calculations when real Case length <1m (As specified by LUKA)</small>	



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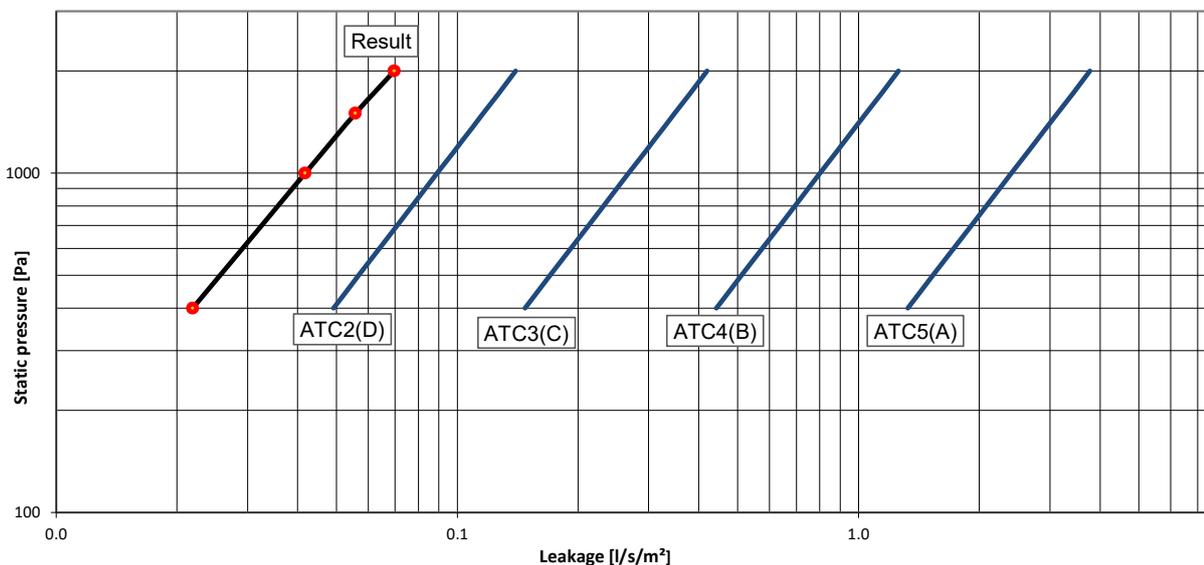
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www.solid-air.com

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	2000	Pa
TÜV certificate	P-97/52-30	

Reading	Static Pressure (Pa)	Measured Leakage (l/s)	Corrected Leakage (l/s)	Leakage Duct surface (l/s/m ²)	NEN-EN 1751-2014			
					ATC5 (A)	ATC4 (B)	ATC3 (C)	ATC2 (D)
					(l/s/m ²)	(l/s/m ²)	(l/s/m ²)	(l/s/m ²)
1	400	0.011	0.011	0.022	1.33	0.44	0.15	0.05
2	1000	0.021	0.021	0.042	2.41	0.80	0.27	0.09
3	1500	0.028	0.028	0.056	3.13	1.04	0.35	0.12
4	2000	0.035	0.035	0.070	3.78	1.26	0.42	0.14

Classification of casing leakage



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

Date:	4/17/2025	Test reference number:	25-08-04
Exp. Date:	4/17/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV

Model (Name/Type):	Variabele volumeregelaar rond, VVOSMOO 200	Result: ATC2 (D)
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Measurement conditions \emptyset	
Air temperature (C°)	19
Atmospheric pressure (hPa)	1013
Correction factor	1.000
Case Diameter (m)	0.2
Case length (m)	0.4
Duct surface (real) (m ²)	0.251
Duct surface (virtual) (m ²)*	0.628
<small>* Case length 1m is used in calculations when real Case length <1m (As specified by LUKA)</small>	



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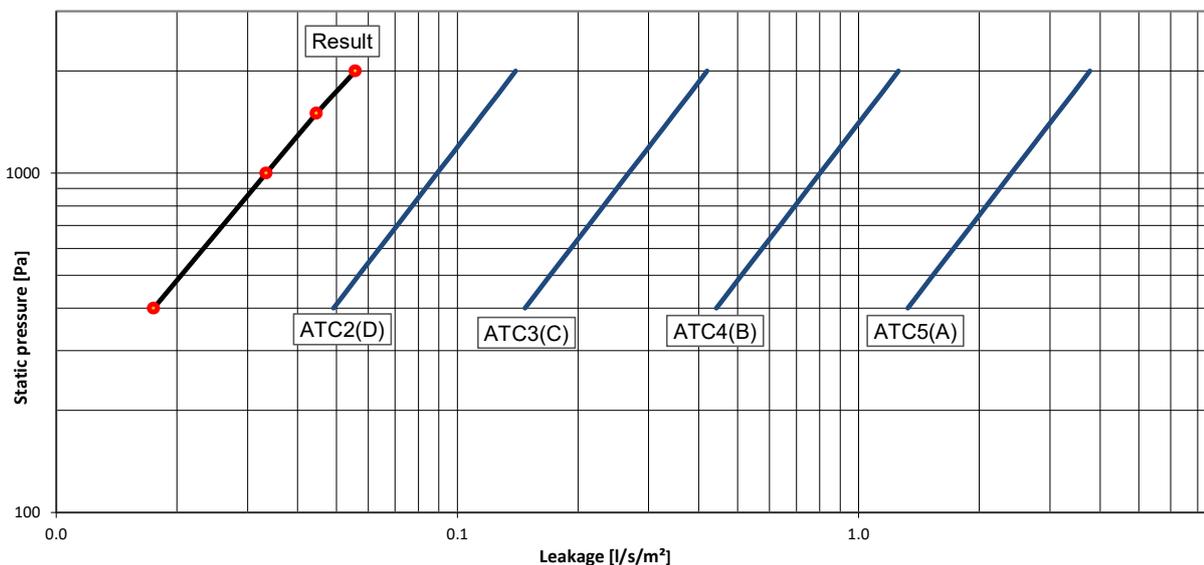
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Measurement equipment	
Brand	Lindab
Air leakage tester type	LT 600
Serial No.	662
Adapter (- / 0,3 / 3,0)	0.3

Test duration 60 sec.		
Visual deformation?	N	
Max. test pressure	2000	Pa
TÜV certificate	P-97/52-30	

Reading	Static Pressure (Pa)	Measured Leakage (l/s)	Corrected Leakage (l/s)	Leakage Duct surface (l/s/m ²)	NEN-EN 1751-2014			
					ATC5 (A)	ATC4 (B)	ATC3 (C)	ATC2 (D)
					(l/s/m ²)	(l/s/m ²)	(l/s/m ²)	(l/s/m ²)
1	400	0.011	0.011	0.018	1.33	0.44	0.15	0.05
2	1000	0.021	0.021	0.033	2.41	0.80	0.27	0.09
3	1500	0.028	0.028	0.045	3.13	1.04	0.35	0.12
4	2000	0.035	0.035	0.056	3.78	1.26	0.42	0.14

Classification of casing leakage



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

Date:	4/17/2025	Test reference number:	25-08-05
Exp. Date:	4/17/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV
Model (Name/Type):			Result: ATC2 (D)

Measurement conditions \emptyset	
Air temperature (C°)	19
Atmospheric pressure (hPa)	1013
Correction factor	1.000
Case Diameter (m)	0.25
Case length (m)	0.4
Duct surface (real) (m ²)	0.314
Duct surface (virtual) (m ²)*	0.785
* Case length 1m is used in calculations when real Case length <1m (As specified by LUKA)	



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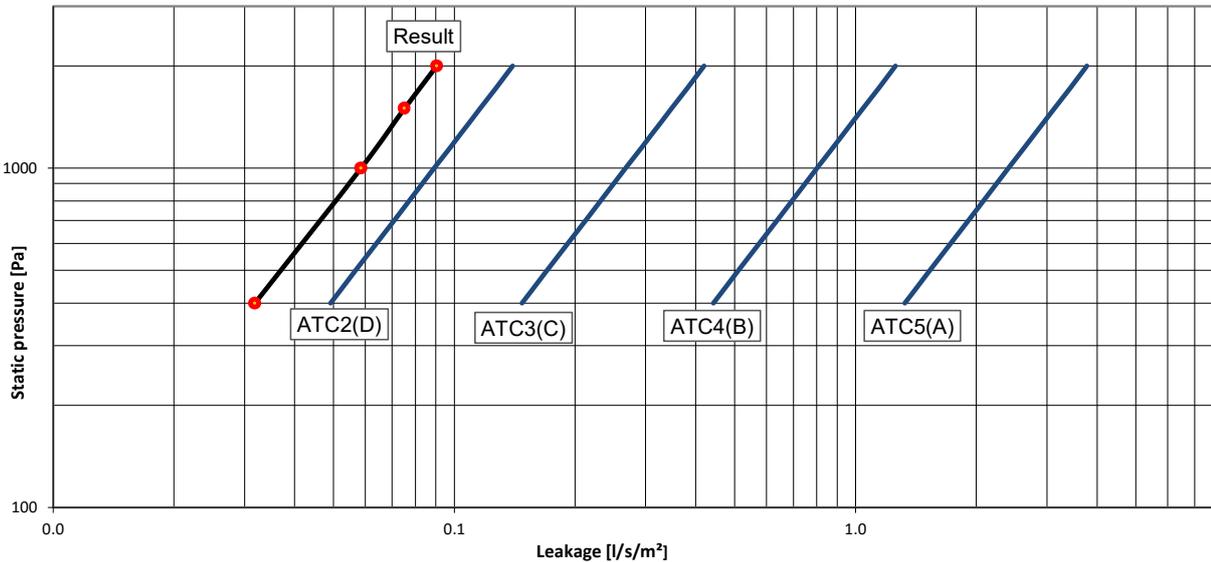
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Measurement equipment	
Brand	Lindab
Air leakage tester type	LT 600
Serial No.	662
Adapter (- / 0,3 / 3,0)	0.3

Test duration 60 sec.		
Visual deformation?	N	
Max. test pressure	2000	Pa
TÜV certificate	P-97/52-30	

Reading	Static Pressure (Pa)	Measured Leakage (l/s)	Corrected Leakage (l/s)	Leakage Duct surface (l/s/m ²)	NEN-EN 1751-2014			
					ATC5 (A)	ATC4 (B)	ATC3 (C)	ATC2 (D)
					(l/s/m ²)	(l/s/m ²)	(l/s/m ²)	(l/s/m ²)
1	400	0.025	0.025	0.032	1.33	0.44	0.15	0.05
2	1000	0.046	0.046	0.059	2.41	0.80	0.27	0.09
3	1500	0.059	0.059	0.075	3.13	1.04	0.35	0.12
4	2000	0.071	0.071	0.090	3.78	1.26	0.42	0.14

Classification of casing leakage



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

Date:	4/17/2025	Test reference number:	25-08-06
Exp. Date:	4/17/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV

Model (Name/Type):	Variabele volumeregelaar rond, VVOSMOO 315	Result: ATC2 (D)
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Measurement conditions \emptyset	
Air temperature (C°)	19
Atmospheric pressure (hPa)	1013
Correction factor	1.000
Case Diameter (m)	0.315
Case length (m)	0.4
Duct surface (real) (m ²)	0.396
Duct surface (virtual) (m ²)*	0.990
<small>* Case length 1m is used in calculations when real Case length <1m (As specified by LUKA)</small>	



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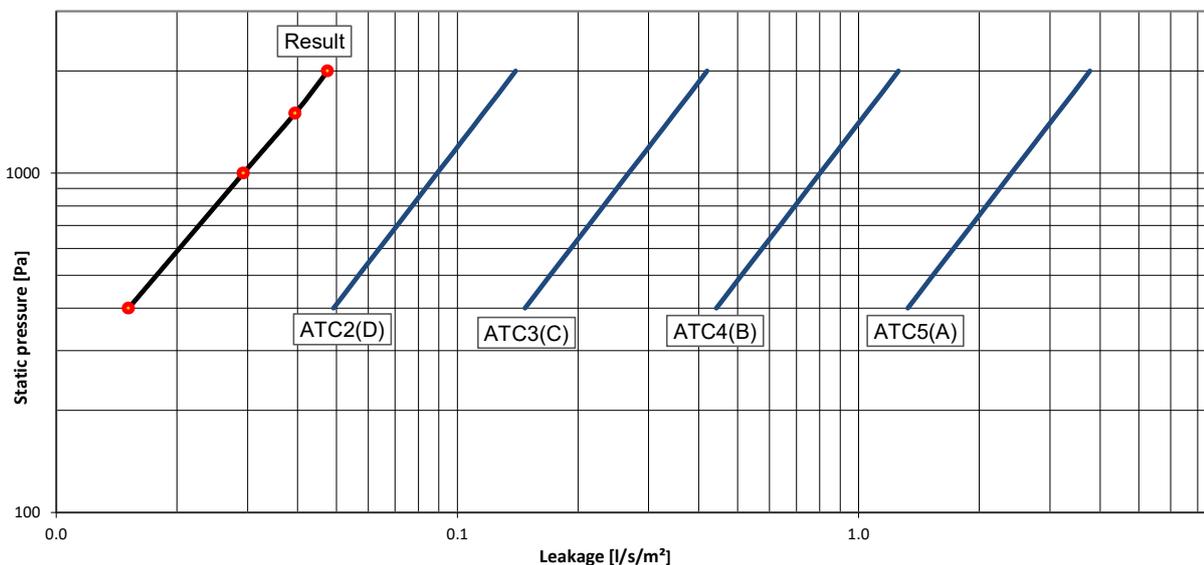
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Measurement equipment	
Brand	Lindab
Air leakage tester type	LT 600
Serial No.	662
Adapter (- / 0,3 / 3,0)	0.3

Test duration 60 sec.		
Visual deformation?	N	
Max. test pressure	2000	Pa
TÜV certificate	P-97/52-30	

Reading	Static Pressure (Pa)	Measured Leakage (l/s)	Corrected Leakage (l/s)	Leakage Duct surface (l/s/m ²)	NEN-EN 1751-2014			
					ATC5 (A)	ATC4 (B)	ATC3 (C)	ATC2 (D)
					(l/s/m ²)	(l/s/m ²)	(l/s/m ²)	(l/s/m ²)
1	400	0.015	0.015	0.015	1.33	0.44	0.15	0.05
2	1000	0.029	0.029	0.029	2.41	0.80	0.27	0.09
3	1500	0.039	0.039	0.039	3.13	1.04	0.35	0.12
4	2000	0.047	0.047	0.047	3.78	1.26	0.42	0.14

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