

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

Date:	9/16/2025	Test reference number:	25-15-01
Exp. Date:	9/16/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV

Model (Name/Type):	Brandklep rond, FDC25 ORO 100	Result: ATC3 (C)
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Measurement conditions \emptyset	
Air temperature (C°)	18
Atmospheric pressure (hPa)	1015
Correction factor	1.000
Case Diameter (m)	0.1
Case length (m)	0.38
Duct surface (real) (m ²)	0.119
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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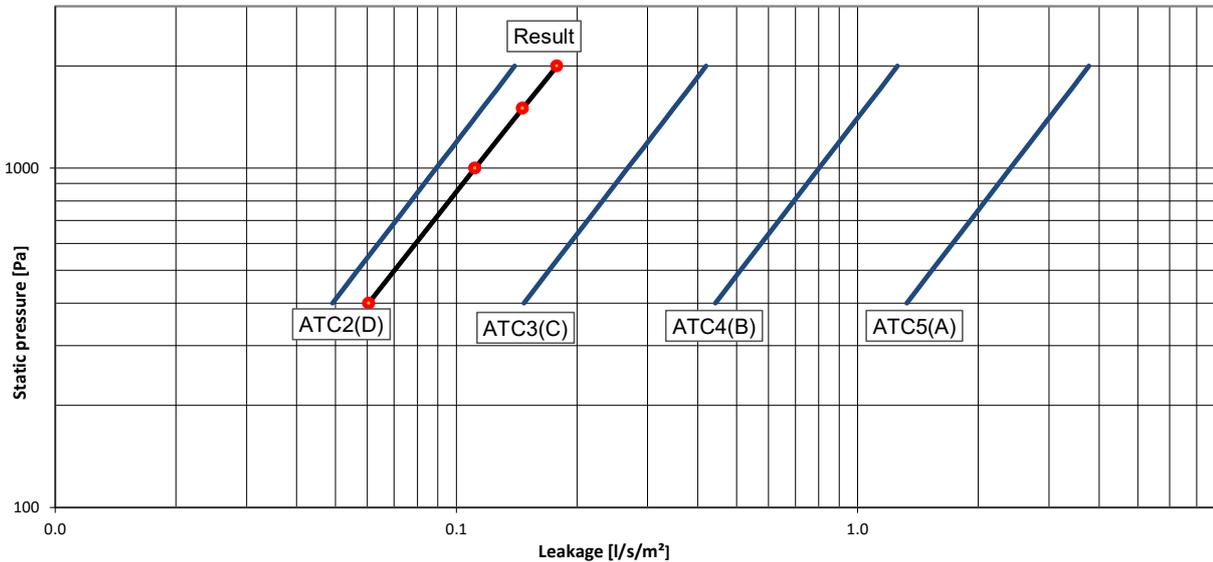
Scheepswervenweg 1
9608 PD Westerbroek
Tel: +31 598 36 12 21
www.solid-air.com

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	0.019	0.019	0.060	1.33	0.44	0.15	0.05
2	1000	0.035	0.035	0.111	2.41	0.80	0.27	0.09
3	1500	0.046	0.046	0.146	3.13	1.04	0.35	0.12
4	2000	0.056	0.056	0.178	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:	9/16/2025	Test reference number:	25-15-02
Exp. Date:	9/16/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV

Model (Name/Type):	Brandklep rond, FDC25 ORO 125	Result: ATC3 (C)
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Measurement conditions \emptyset	
Air temperature (C°)	18
Atmospheric pressure (hPa)	1015
Correction factor	1.000
Case Diameter (m)	0.125
Case length (m)	0.38
Duct surface (real) (m ²)	0.149
Duct surface (virtual) (m ²)*	0.393
<small>* Case length 1m is used in calculations when real Case length <1m (As specified by LUKA)</small>	



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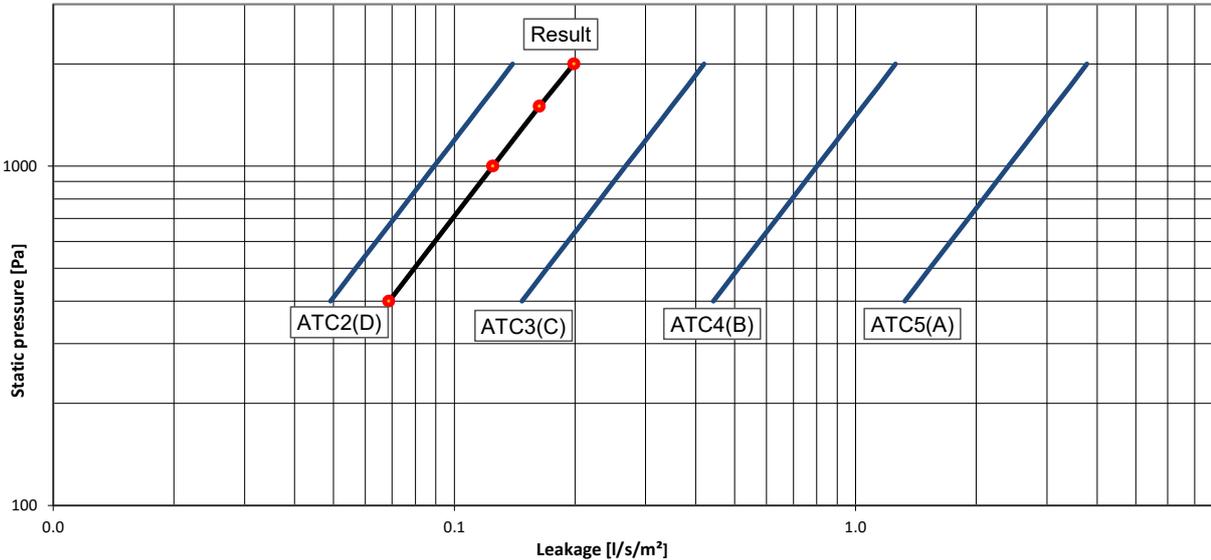
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9608 PD Westerbroek
Tel: +31 598 36 12 21
www.solid-air.com

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	0.027	0.027	0.069	1.33	0.44	0.15	0.05
2	1000	0.049	0.049	0.125	2.41	0.80	0.27	0.09
3	1500	0.064	0.064	0.163	3.13	1.04	0.35	0.12
4	2000	0.078	0.078	0.199	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:	9/16/2025	Test reference number:	25-15-03
Exp. Date:	9/16/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV

Model (Name/Type):	Brandklep rond, FDC25 ORO 160	Result: ATC3 (C)
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Measurement conditions \emptyset	
Air temperature (C°)	18
Atmospheric pressure (hPa)	1015
Correction factor	1.000
Case Diameter (m)	0.16
Case length (m)	0.38
Duct surface (real) (m ²)	0.191
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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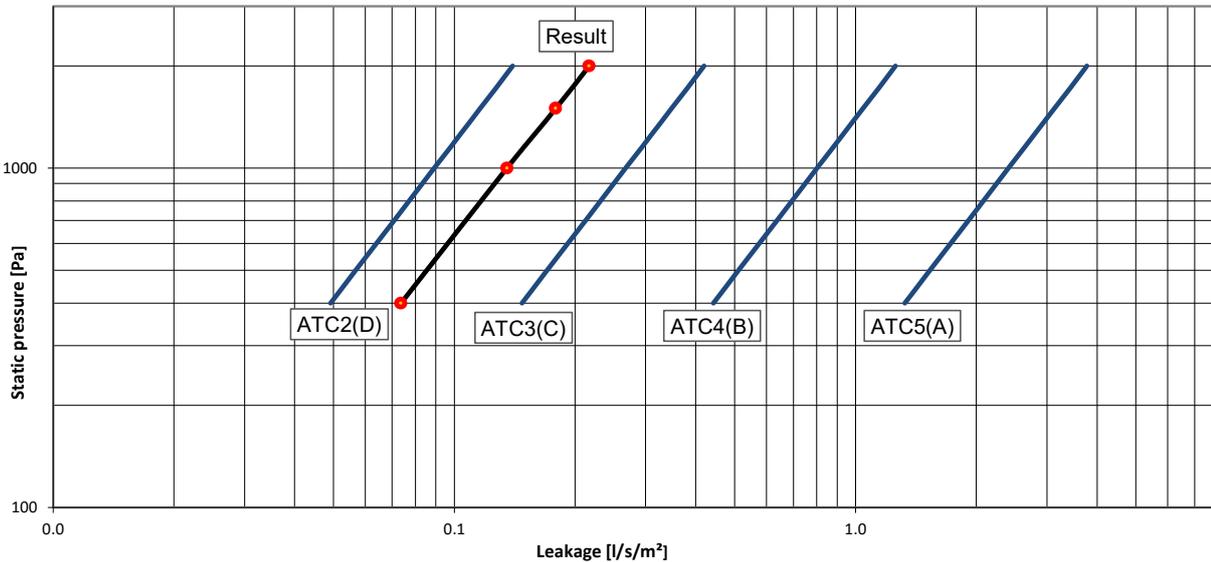
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Tel: +31 598 36 12 21
www.solid-air.com

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	0.037	0.037	0.074	1.33	0.44	0.15	0.05
2	1000	0.068	0.068	0.135	2.41	0.80	0.27	0.09
3	1500	0.090	0.090	0.179	3.13	1.04	0.35	0.12
4	2000	0.109	0.109	0.217	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:	9/17/2025	Test reference number:	25-15-04
Exp. Date:	9/17/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV

Model (Name/Type):	Brandklep rond, FDC25 ORO 200	Result: ATC3 (C)
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Measurement conditions \emptyset	
Air temperature (C°)	18
Atmospheric pressure (hPa)	1018
Correction factor	1.000
Case Diameter (m)	0.2
Case length (m)	0.38
Duct surface (real) (m ²)	0.239
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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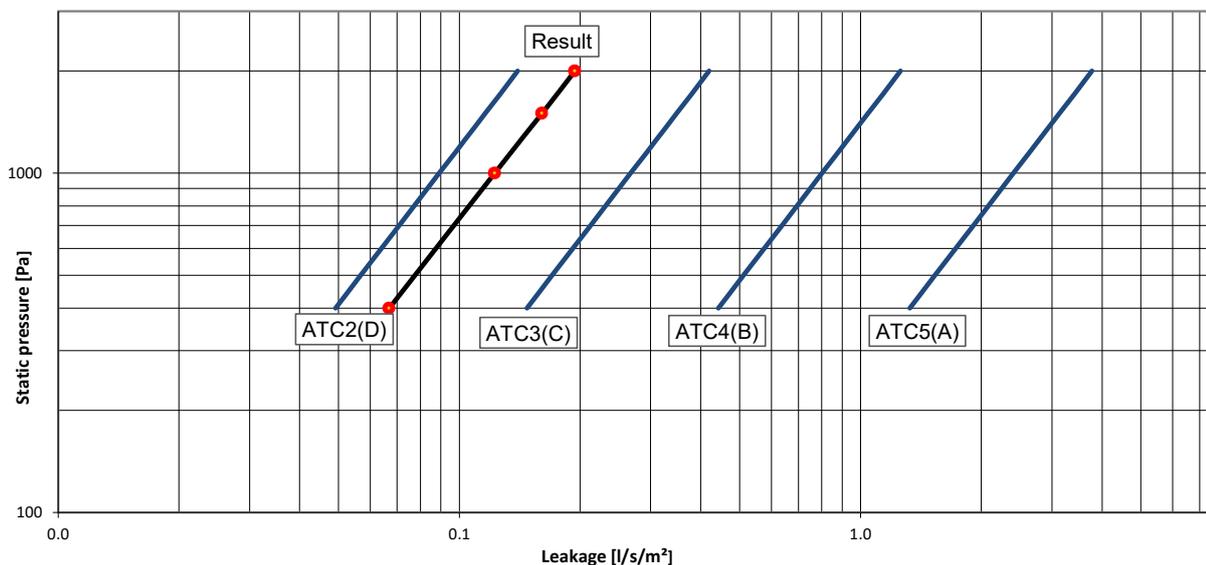
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Measurement equipment	
Brand	Lindab
Air leakage tester type	LT 600
Serial No.	662
Adapter (- / 0,3 / 3,0)	0.3

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	0.042	0.042	0.067	1.33	0.44	0.15	0.05
2	1000	0.077	0.077	0.123	2.41	0.80	0.27	0.09
3	1500	0.101	0.101	0.161	3.13	1.04	0.35	0.12
4	2000	0.122	0.122	0.194	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:	9/17/2025	Test reference number:	25-15-05
Exp. Date:	9/17/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV
Model (Name/Type):			Brandklep rond, FDC25 ORO 250
			Result: ATC3 (C)

Measurement conditions \emptyset	
Air temperature (C°)	18
Atmospheric pressure (hPa)	1018
Correction factor	1.000
Case Diameter (m)	0.25
Case length (m)	0.38
Duct surface (real) (m ²)	0.298
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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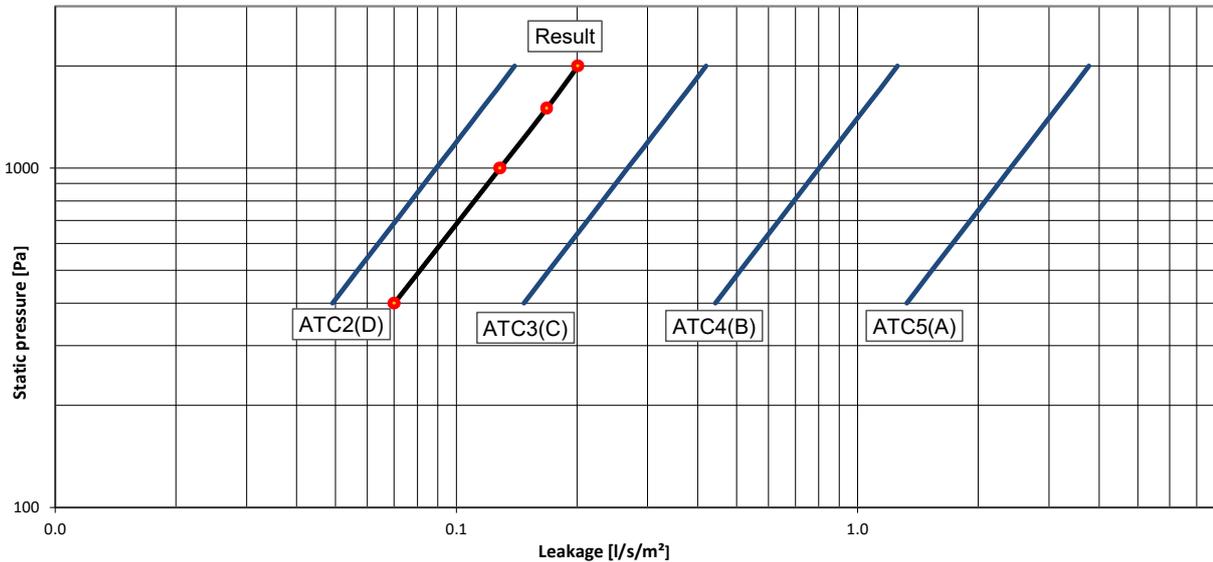
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Measurement equipment	
Brand	Lindab
Air leakage tester type	LT 600
Serial No.	662
Adapter (- / 0,3 / 3,0)	0.3

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	0.055	0.055	0.070	1.33	0.44	0.15	0.05
2	1000	0.101	0.101	0.129	2.41	0.80	0.27	0.09
3	1500	0.132	0.132	0.168	3.13	1.04	0.35	0.12
4	2000	0.158	0.158	0.201	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:	9/17/2025	Test reference number:	25-15-06
Exp. Date:	9/17/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV
Model (Name/Type):			Brandklep rond, FDC25 ORO 315
			Result: ATC3 (C)

Measurement conditions \emptyset	
Air temperature (C°)	18
Atmospheric pressure (hPa)	1018
Correction factor	1.000
Case Diameter (m)	0.315
Case length (m)	0.38
Duct surface (real) (m ²)	0.376
Duct surface (virtual) (m ²)*	0.990
* Case length 1m is used in calculations when real Case length <1m (As specified by LUKA)	



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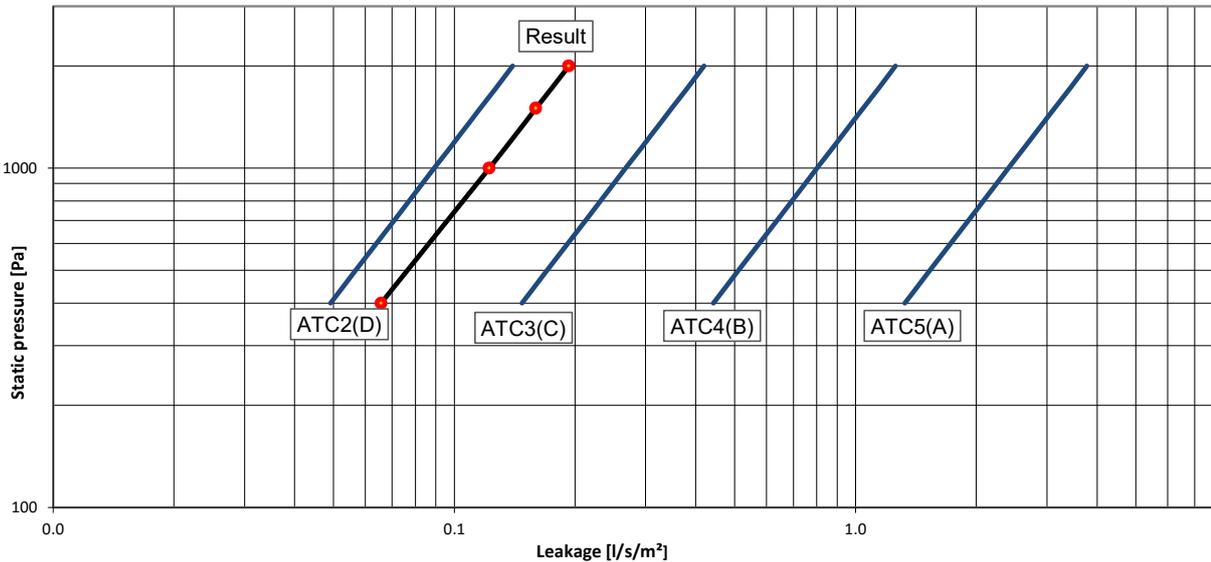
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Measurement equipment	
Brand	Lindab
Air leakage tester type	LT 600
Serial No.	662
Adapter (- / 0,3 / 3,0)	0.3

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	0.065	0.065	0.066	1.33	0.44	0.15	0.05
2	1000	0.121	0.121	0.122	2.41	0.80	0.27	0.09
3	1500	0.158	0.158	0.160	3.13	1.04	0.35	0.12
4	2000	0.191	0.191	0.193	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:	9/18/2025	Test reference number:	25-15-07
Exp. Date:	9/18/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV
Model (Name/Type):			Brandklep rond, FDC25 ORO 400
			Result: ATC3 (C)

Measurement conditions \emptyset	
Air temperature (C°)	19
Atmospheric pressure (hPa)	1020
Correction factor	1.000
Case Diameter (m)	0.4
Case length (m)	0.38
Duct surface (real) (m ²)	0.478
Duct surface (virtual) (m ²)*	1.257
* Case length 1m is used in calculations when real Case length <1m (As specified by LUKA)	



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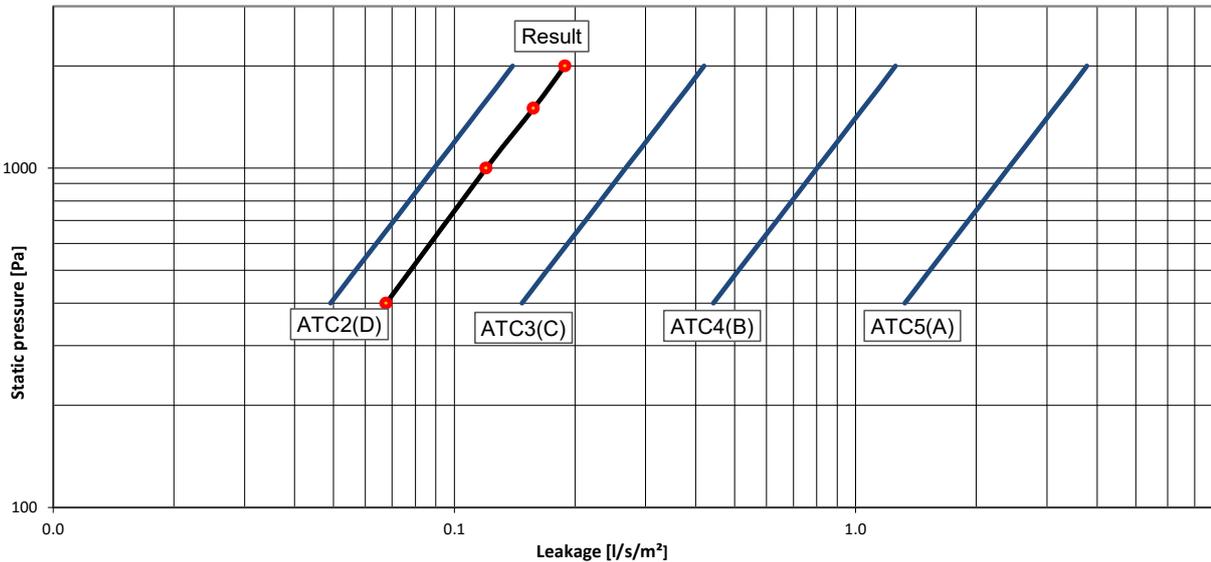
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Measurement equipment	
Brand	Lindab
Air leakage tester type	LT 600
Serial No.	662
Adapter (- / 0,3 / 3,0)	0.3

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	0.085	0.085	0.068	1.33	0.44	0.15	0.05
2	1000	0.151	0.151	0.120	2.41	0.80	0.27	0.09
3	1500	0.198	0.198	0.158	3.13	1.04	0.35	0.12
4	2000	0.237	0.237	0.189	3.78	1.26	0.42	0.14

Classification of casing leakage



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