

TEST REPORT

TYPE TEST (TT)

REPORT NO.:
204104



**DANISH
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Date: 7 July 2023
Init.: JMOC/FPST/MRI
Appendices: -

Applicant:	August Kleven ApS Fynsvej 12 5500 Middelfart Denmark	Contact person: Steen Kjølby Email: sk@august-kleven.dk
Product:	Water trap, J-Max and K-Max, 3D printed	
Sampling site:	Unknown. The applicant did not provide information about the sampling site.	
Samples:	Sampling was carried out by the applicant. The samples were received by DTI on 21 June 2023.	
Test period:	30 June – 5 July 2023	
Test site:	Danish Technological Institute, VA Testing and Inspection (DTI) Kongsvang Allé 29 DK-8000 Aarhus C, Denmark	
Test method:	EN 1253-1:2015 Gullies for buildings – Trapped floor gullies with a depth water seal of at least 50 mm, clauses 4.1.5, 4.1.6 and 4.8.1	
Result:	The requirements of EN 1253-1:2015 were met. Reduced test programme compared to the test method.	
Terms:	Accredited testing was carried out in compliance with international requirements (EN ISO/IEC 17025:2017) and in compliance with Danish Technological Institute's General Terms and Conditions regarding Commissioned Work Accepted by Danish Technological Institute. The test results apply to the tested products only. This test report may be reproduced in extract only if the Laboratory has approved the extract in writing.	

Signature:


Jesper Mondrup Christensen
Consultant


Flemming Petri Steinfeldt
Team manager









 **DANAK**
Test Reg. No. 300

Test methods and requirements in accordance with: EN 1253-1:2015	Test site	Table No.	Requirements met		Accredited		Sub- contractor Accredita- tion No.
			Yes	No	Yes	No	
Identification of the tested components and general information	DTI	Table 1					
4.1.5 Depth of water seal	DTI	Table 2	X		X		
4.1.6 Resistance of water seal to pressure	DTI	Table 3	X		X		
4.8.1 Water through the grating	DTI	Table 4	X		X		

Table 1

Identification of the tested components and general information

Item id.	Number of samples	Photo	Product
1	1		CleanDrain J-Max water trap for Purus Line 3D printed
2	1		Purus Line gully with a Ø75 mm vertical outlet
3	1		Purus Line grating frame
4	1		Purus Line grate
5	1		CleanDrain K-Max water trap for Purus MaxiFlex and Blücher 3D printed
6	1		Gasket for Purus MaxiFlex

7	1		Gasket for Blücher
8	1		Blücher gully with a Ø110 mm vertical outlet
9	1		Blücher grating frame
10	1		Blücher grate
11	1		Purus MaxiFlex gully with a Ø110 mm vertical outlet
12	1		Purus MaxiFlex extension for Ø110 mm vertical outlet



13	1		Purus MaxiFlex grating frame
14	1		Purus MaxiFlex grating

Table 2					
4.1.5 (5.3.1) - Depth of water seal					
Item Id.	Sample No.	Depth of water seal, measured mm	Depth of water seal, required mm	Requirement met	
				Yes	No
1	1	50	50	X	
5	1	50	50	X	

Test equipment: 84315

Table 3								
4.1.6 (5.3.2) - Resistance of water seal to pressure								
Item Id.	Sample No.	Vacuum Pa	Number of flap operations	Water height removed mm	Pressure needed for air flow Pa	Requirement, pressure for air flow Pa	Requirement met	
							Yes	No
1+2	1+1	400	5	8	675	Min. 400	X	
5+6+ 12	1+1+1	400	5	8	553	Min. 400	X	
5+7+ 8	1+1+1	400	5	8	548	Min. 400	X	

Test equipment: 270-A-1783, 270-A-2228

Table 4							
4.8.1 (5.9.1) - Water through the grating							
Item Id.	Sample No.	Head of water mm	Test duration min	Measured flow l/s	Required flow l/s	Requirement met	
						Yes	No
1+2+3+4	1+1+1+1	20	10	0.47	0.4	X	
5+6+11+ 12+13+14	1+1+1+1+ 1+1	20	10	1.28	0.4	X	
5+7+8+9+ 10	1+1+1+1+ 1	20	10	0.91	0.4	X	
<p>Test equipment: 270-A-2298, 84315, 270-A-0827</p> <p>Note: The required flow is for discharge from a single shower head. The product must be marked with this information.</p>							