



Certificate
ET-0282-20



CERTIFICATE

Manufacturer: **Shieldwinds OÜ**
Name and address: **Narva mnt, 7-353, 10117 Tallinn, Estonia**

Assessed according to standard: ISO 15779:2011

Apparatus: **Condensed aerosol generators**
Ready 60
Steady 6750

Inspecta Estonia OÜ hereby states that the above-mentioned product representatives have been tested according to standard ISO 15779 Annex C appropriate clauses and products have passed the tests.

The statement is limited to those aspects of the requirements which have been assessed by Inspecta Estonia OÜ.

A list of the aspects covered by this statement is annexed to this certificate.

Tõnu Roosaar
Manager



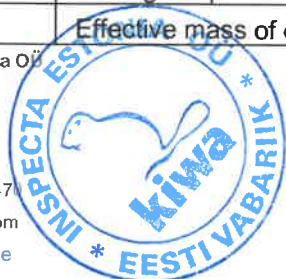
Issued 02.07.2020



APPENDIX CERTIFICATE ET-0282-20

Cross reference ISO 15779, Condensed aerosol fire extinguishing systems - Requirements and test methods for components and system design, installation and maintenance - General requirements ISO 15779:2011

Chapter	Description	Demand ¹⁾	Result	Remarks
Annex C	(normative) Test methods			
C2	Conditions	A		
C3	Samples	A	Pass	
C4	Compliance	A	Pass	
C5	Extinguishing application density determination	Not tested		
C6	Discharge time test			See C16
C7	Temperature and humidity operation range tests C7.1 Object of the test C7.2 Procedure C7.3 Low temperature test	A	Pass	Temperature limitations from 25 °C to 55°C and ambient humidity up to 95 % Low temperature -25 °C.
C8	Accelerated ageing test	Not tested		
C9	Corrosion test	Not tested		
C10	Stress corrosion test	Not tested		
C11	Vibration test	A	Pass	Acceleration amplitude for components which are designed to be attached to walls according EN-IEC 600682-6 Steady 6750 not tested
C12	Impact test	Not tested		
C13	Drop test	A	Pass	Drop test at 2 meters
C14	Casing and aerosol flow temperatures test C14.1 Casing temperatures test C14.2 Aerosol flow temperature test			See C.16.3 See C.16.2
C15	Ignition performance test	A	Pass	
C16	Function test	A	Pass	
C16.1	Discharge time	A	Pass	See table 1
C16.2	Aerosol flow temperatures	A	Pass	See table 2
C16.3	Casing temperature test	A	Pass	
C16.4	Effective mass of extinguishant	A	Pass	



C16.5	Test procedure	A	Pass	
C16.6	Requirements	A	Pass	
C17	Fire exposure	Not tested		

Table 1 – Discharge time of the generators

Type	Discharge time In seconds
Ready 60	17-33
Steady 6750	135-165

Table 2 – radiated heat of the generators

Type	Distance in m		
	75°C	200°C	400°C
Ready 60	1,25	0,3	0,15
Steady 6750	1,25	0,3	0,15

