


<b>Product Specification</b>		No.	湖北及安盾 受控文件 JAD-JAD300-U01-5-010
		Version	A0
Product	Fixed Condensed Aerosol Fire Extinguishing System	Model	JAD300-U01
Applicable Scope	Electricity power industry, transportation , new energy, manufacturing, communications industry, etc.		
Executive Standard	ANSI/CAN/UL/ULC 2775:2022A Standard for Fixed Condensed Aerosol Extinguishing System Units EN15276-1:2019 Fixed firefighting systems Condensed aerosol extinguishing systems AS 4487-2013 Condensed aerosol fire extinguishing systems-Requirements for system design, installation and commissioning and test methods for components		
Usage	End-use: Total flooding , normally unoccupied areas Combined with actuating mechanisms, and other accessory (as applicable) to extinguish Class A , Class B and Class C fire.		
Technical Information	Appearance	Cylindrical , 304 stainless steel casing without obvious cracks, scratches and bumps and other defects	
	Marking	Red PET sticker	
	Color	Stainless steel silver white	
	Package	Bubble out bags, Paper box , Cartons	
	Size	$\phi 76\text{mm}(\pm 0.2\text{mm}) \times \star 192\text{mm}(\pm 1\text{mm})$ (without bracket)	
	Weight	2100g $\pm$ 70g ( without bracket and aviation plug)	
	Discharge Time	15s ( $\pm$ 5s)	
	Delay Time of discharge	$\leq 2\text{s}$	
	Thermal Clearance (discharge port)	The aerosol agent discharge temperature shall not exceed 75°C (167°F) at the minimum safe distance between the condensed aerosol generator discharge ports and personnel. This minimum distance is 130 cm. The aerosol agent discharge temperature shall not exceed 200°C (392°F) at the minimum safe distance between the condensed aerosol generator discharge ports and combustible materials. This minimum distance is 70cm.	
	Thermal Clearance (generator casing)	The temperature shall not exceed 75°C (167°F) during and after discharge at the minimum safe distance between the generator casing and personnel. This minimum distance is 2cm.	

		<p>The temperature shall not exceed 200° C(392° F) during and after discharge at the minimum safe distance between the generator casing and combustible materials. The generator casing temperature is not exceed 150°C(302° F), so it's not applicable (N/A) .</p>
	<p>Minimum Design Application Density</p>	<p>Class A: 105.3g/m<sup>3</sup> Class B: 78g/m<sup>3</sup> Fuel combination (Class C) : 105.3g/m<sup>3</sup></p>
	<p>☆Aerosol Forming Compound</p>	<p>Model#: C6 Mass: 300g (±6g) Size: φ 64mm (±0.2mm) ×H: 58mm (±1.5mm)</p>
	<p>☆Coolant/Ceramic ball</p>	<p>Coolant model#: TE L2 Mass of coolant: 65g (±1g) Size of coolant: φ 6mm (±0.5mm) ×H: 5.5mm (±0.5mm) Mass of ceramic ball: 120g (±2g) Size of ceramic ball: φ 8mm (-1mm~+0.5mm)</p>
	<p>Actuation method</p>	<p>Electrical</p>
	<p>☆Initiator resistance</p>	<p>1.0 Ω (±0.2 Ω)</p>
	<p>☆ fire extinguishing generetor resistance</p>	<p>1.1 Ω ±0.2 Ω</p>
<p>Technical Information</p>	<p>Initiator Safe current</p>	<p>600mA±2mA, 300s no action</p>
	<p>Initiator Minimum rated current</p>	<p>900mA, It can be actuated 100% instantaneously. (it is normal when the current is between safe current to 900mA and the initiator is actuated.)</p>
	<p>Initiator Maximum Rated current</p>	<p>2A/5ms</p>
	<p>Feedback</p>	<p>Switch signal</p>
	<p>Operating temperature range</p>	<p>-40°C ~+54°C</p>
	<p>Useful Time</p>	<p>15years</p>
<p>Production requirements</p>	<p>Implement the production planning according to the design drawings and technical documents</p>	
<p>Inspection Basis</p>	<p>1.JAD300-U01 Specification for Manufacturing and Acceptance of Fire Extinguishing Devices 2.Operation Manual for Process Inspection of C6 aerosol forming compound and TE L2 Coolant 3.JAD300-U01 Fire Extinguishing Device Process Inspection Operation Manual 4.Operation Manual for Incoming Inspection of JAD300-U01 Fire Extinguishing Device</p>	

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	5.JAD300-U01 Fire Extinguishing Device Chemical Incoming Material Inspection Operation Manual 6.ANSI/CAN/UL/ULC 2775:2022A Standard for Fixed Condensed Aerosol Extinguishing System Units
Supporting Documents	Owner's manual
Compilation/Date	周平 2023.12.13.
Audit/Date	12.13-2023 2023.12.13
Approval/Date	12.13