

SIJIL GUNA PAKAI

CERTIFICATE OF PRODUCT ACCEPTANCE



**TENAGA
NASIONAL BERHAD**

Serial No : D2023-0330: 0073

Manufacturer / Assembler
EVERSAFE EXTINGUISHER SDN. BHD.
Lot 878, Jalan Subang 9,
Taman Perindustrian Subang,
47500 Subang Jaya
Selangor Darul Ehsan

Item / Equipment
FIRE EXTINGUISHING SYSTEM

Make / Model
EVERSAFE / NAF S 227

Qualification

Based on the assessment by TNB Labs Sdn. Bhd., the above equipment has complied with the specified requirements of TNB Technical Specification named below and is hereby accepted for use in the TNB system.

Technical Specification:
KEJ06401:2011, Rev.2 (Approved Date: 22nd July 2011)
Specification for 'Sistem Pemadam Kebakaran'

This certificate shall be read together with the attachment(s).

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Ir. Zahari bin Dollah
Head (Asset Management)
Distribution Network Division, TNB

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Certified since : 9th April 2014

Issue Date : 27th September 2023

Expiry Date : 21st May 2026

Certification is subject to the terms and conditions overleaf



Ref. No: PC/R/EXE/1/23

i. FIRE SUPPRESSION SYSTEM HARDWARE & APPROVAL

NO	PART NAME	PART NUMBER	MANUFACTURER	REQUIREMENT & TESTING METHODS	APPROVAL BODY	FILE NUMBER
01	Extinguishing Agent					
	HFC-227 ea	NIL	Safety Hi-Tech	UL-2166	UL	GAQF EX15573
02	Discharge Valve Including Siphon Tube					
	SHT V20	SH20025129	Safety Hi-Tech	UL-2166	UL	GAQF EX15573
	SHT V25	SH20025146				
	SHT V40	SH20025191				
	SHT V65	SH20025027				
03	Discharge Container (Cylinder Valve Assemblies – 42 bar Systems)					
	5.0L	SH70027410	Safety Hi-Tech	UL-2166	UL	GAQF.EX15573
	13.4L	SH70027409				
	26.8L	SH70027408				
	40.2L	SH70027407				
	67.5L	SH70027412				
	75.0L	SH70027405				
	100.0L	SH70027404				
	120.0L	SH70027403				
	Discharge Container (Cylinder Valve Assemblies – 25 bar Systems)					
	26.8L	SH72527408	Safety Hi-Tech	UL-2166	UL	GAQF.EX15573
	40.2L	SH72527407				
	75.0L	SH72527405				
	120.0L	SH72527403				
	175.0L	SH70027414				
240.0L	SH70027415					

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Attachment 1 of 6

i. FIRE SUPPRESSION SYSTEM HARDWARE & APPROVAL (Cont.)

NO	PART NAME	PART NUMBER	MANUFACTURER	REQUIREMENT & TESTING METHODS	APPROVAL BODY	FILE NUMBER
04	Discharge Hose					
	Rigid Hose for SHT V 65	SH23070204	Safety Hi-Tech	UL-2166	UL	GAQF.EX15573
	Hose R2 1" 400mm	SH30502140				
	PTFE Release Hose G. 1/8" X 160mm	SH30503290				
	R2 Hose 1" 400mm V25 – Bank	SH30506001				
	TF Hose ¼" 580 Cones	SH30506014				
	Hose R2 ¾" 400mm V20	SH30506070				
	Rigid Hose 1 1/2" V40-Bank	SH30508000				
	Rigid Hose 1 ½" V40 - Modular	SH30508080				
TF Hose 1/4" 700 Cones	SH30522001					
05	Manifold Check Valve (Non Return Valve – One Way Valve)					
	1" Non Return Valve	SH21006300	Safety Hi-Tech	UL-2166	UL	GAQF EX15573
	2" Non Return Valve	SH21006302				
	Non Return Valve SHT V 65 Manifold 4	SH23070221				
06	Discharge Nozzle					
	Steel Chromium Plated Nozzle 360°	SH30400001	Safety Hi-Tech	UL-2166	UL	GAQF.EX15573
		SH30400002				
		SH30400003				
		SH30400004				
		SH30400005				
		SH30400006				

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i. FIRE SUPPRESSION SYSTEM HARDWARE & APPROVAL (Cont.)

NO	PART NAME	PART NUMBER	MANUFACTURER	REQUIREMENT & TESTING METHODS	APPROVAL BODY	FILE NUMBER
06	Discharge Nozzle					
	Steel Chromium Plated Nozzle 180°	SH30400008	Safety Hi-Tech	UL-2166	UL	GAQF.EX15573
		SH30400009				
		SH30400010				
		SH30400011				
		SH30400011				
		SH30400012				
SH30400013						
07	Discharge Actuation					
	Solenoid Valve – Modular	SH21006403	Safety Hi-Tech	UL-2166	UL	GAQF.EX15573
	Solenoid Valve Outlet 1/8" Inox	SH21006404				
	Manual Release	SH31009401				
	Pneumatic Manual Release	SH31009402				
Pilot –N2 3L CYL	SH70025411					
08	Pressure Gauge					
	Covered Under Item No.:02 Discharge Valve	NIL	Safety Hi-Tech	UL-2166	UL	GAQF.EX15573
09	Pressure Switch					
	Pressure Switch	SH30330010	Safety Hi-Tech	UL-2166	UL	GAQF EX15573
10	Cylinder Bracket					
	EVERSAFE Bracket	NIL	Eversafe	UL 2166	UL	GAQF.EX15573
11	Discharge Manifold					
	EVERSAFE Manifold	NIL	Eversafe	UL 2166	UL	GAQF.EX15573
12	System					
	Eversafe NAF S 227 Extinguishing System	NIL	Safety Hi-Tech	UL-2166	UL	GAQF_EX15573

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ii. FIRE ALARM AND DETECTION SYSTEM HARDWARE & APPROVAL

NO	PART NAME	PART NUMBER	MANUFACTURER	REQUIREMENT & TESTING METHODS	APPROVAL BODY	FILE NUMBER
01	Releasing Agent Control Panel					
	QUAESTOR-SZU Panel	SHC80003	Safety Hi-Tech	UL-864	UL	SYZV.S25324
	Conventional Three Zone Panel	EP 203	Compuionics	EN 12094 EN 54	LPCB	176c
	Sigma A-XT Panel	EE1810-13	Kentec Electronic	UL-864	UL	SYZV.S36160
	Sigma A-XT Panel	K1810-13	Kentec	UL 864	UL	SYZV.S8485
	Conventional Control Panel	EASIZON	Demco	EN 54	BOMBA	JBPM.IP.RNP: 700-7/2/23-356
02	Manual Discharge Station					
	Manual Extinguishant Release (Built-in Control Panel)	SHC80003	Safety Hi-Tech	UL 864	UL	SYZV.S25324
		EE1810-13	Kentec E lectronic			UOJZ.S36160
		K1810-13				UL 864
	EVERSAFE Manual Call Point	EE-302 EE-302M	Kentec Electronic	MS 1745-11/ BS EN 54-11 (Clause 4.2)	BOMBA	JBPM/IP/BKK:7 00-7/2/14-19(5)
	R S G Manual Pull Station	RMS	RSG	UL 38	UL	UNI.U.S2984
	Potter Manual Pull Station	RMS	POTTER	UL 38	UL	UNI.U.S6569
	Protectowire Manual Pull Station	SG-42	Signal Communications	UL 38	UL	UNI.U.S5654
	Manual Pull Station	HPS-DAK-SR	Hochiki Asia Pacific	UL 38	UL	UNI.U.S6512
	Manual Call Point	D-118	Demco	BS 5839	BOMBA	JBPM.IP.RNP: 700-7/2/14-23
03	Manual Abort Station					
	QUAESTOR-U Abort Switch	SHW80001	Safety Hi-Tech	UL-864	UL	UOXX.S25324
	Abort Switch	HCVR-AS-R	Hochiki Asia Pacific	UL-864	UL	UOXX.S5694
04	Smoke Detector					
	VENATOR-DU Optical	SHD90005	Safety Hi-Tech	UL 268	UL	UROX.S25274
	VENATOR-DU Ionisation	SHD90006	Demco	UL 268	UL	UROX.S25274
	APOLLO Series 65A	55000-326	APOLLO	UL 268	UL	UROX.S5022
	CDX Conventional	SOC-E3N	Hochiki	EN 54-7	LPCB	358c
	Photoelectric Smoke Detector	D-233-2	Demco	UL 268	BOMBA	JBPM.IP.RNP: 700-7/2/12-77

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ii. FIRE ALARM AND DETECTION SYSTEM HARDWARE & APPROVAL (Cont.)

NO	PART NAME	PART NUMBER	MANUFACTURER	REQUIREMENT & TESTING METHODS	APPROVAL BODY	FILE NUMBER
05	Optical Smoke with Thermal Detector					
	N/A	N/A	N/A	N/A	N/A	N/A
06	Heat Detector					
	VENATOR-DU 135F	SHD90007		UL-521	UL	UQGS.S25273
	VENATOR-DU 200F	SHD90008	Safety Hi-Tech	UL-521	UL	UQGS.S25273
	APOLLO Series 65A	55000-139	Apollo	UL-521	UL	UQGS.S5053
	Rate of Rise & Fixed Temperature Heat Detector	DCD-AE3	Hochiki	EN 54-5	LPCB	117g-(cl-3)
	Rate of Rise and Fixed Temperature Detector	D-103-3	Demco	UL 521	UL	UQGS2.S24894
07	Multiple Tone Alarm Bell					
	EVERSAFE Fire Alarm Bell	EE-301	KAWAPI	MS1745-3/ BS EN 54-3	BOMBA	JBPM/IP/RNP:700-7/2/15-8(19)
	DEMCO Alarm Bell	D-102	DEMCO	BS EN 54-3		JBPM.IP.RNP:700-7/2/15-22
Demco Alarm Bell	D-132	MS 1745				
08	LED Beacon					
	N/A	N/A	N/A	N/A	N/A	N/A
09	Extinguishing Discharge Sign					
	KAWAPI	KP - 305	KAWAPI	N/A	BOMBA	JBPM / IP / BKK:700 – 7/7Jld.1
	DEMCO Flashing Light	D-104WP/L	DEMCO	N/A	BOMBA	JBPM/IP/BKK:700/7/7Jld.9
10	Backup Battery					
	YUASA NP Series Sealed Lead Acid Battery	NP7-12	GS YUASA	UL-1989	UL	BAZR2.MH12970
		NP 12-12				
	GP Sealed Lead Acid Battery	GPP-1272	GPA Technologies			
GPP-12120		BAZR2.MH21247				
	GPP-12170					
11	LED Flashing Light Complete With Buzzer					
	N/A	N/A	N/A	N/A	N/A	N/A
12	LED Evacuate Signal					
	KAWAPI	KP - 309	KAWAPI	N/A	BOMBA	JBPM / IP / BKK:700 – 7/7Jld.1 (25)
	DEMCO Evacuation Sign	D-110L	DEMCO	N/A		JBPM/IP/BKK:700/7/7Jld.9

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ii. FIRE ALARM AND DETECTION SYSTEM HARDWARE & APPROVAL (Cont.)

NO	PART NAME	PART NUMBER	MANUFACTURER	REQUIREMENT & TESTING METHODS	APPROVAL BODY	FILE NUMBER
13	Power Line Lightning Arrestor 240 VAC					
	OBO BETTERMAN Surge Arrestor	V20-C	OBO BETTERMANN	EN 61643-11	OVE	18774-004-00
	PEKAT Surge Protective Device	240PKT40	PEKAT Teknologi	MS IEC 61643-11	SIRIM	2010EL1452
		240-15A-PKT40				2019EA0531
		240-5A-PKT10				2019EA0529
240-5A-PKT20		2019EA0530				
14	Signal Line Lightning Arrestor 24 VDC					
	OBO BETTERMAN Isolated Circuit Protector	FRD 24	OBO BETTERMANN	UL 497B	UL	QVGQ.E343497
		FLD 24				
	PEKAT Signal Surge Protective Device	SP1-5PKT-DC	PEKAT Teknologi	IEC 61643-21 ITU-K 20, K21 & K 45	Shenzhen Lebos Technology	191206002
		SP1-24PKT-DC				IEC 61643-21 ITU-K.20, K21 & K.45

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