

# SIJIL GUNA PAKAI

CERTIFICATE OF PRODUCT ACCEPTANCE



**TENAGA  
NASIONAL BERHAD**

Serial No : D2023-0329: 0074

Manufacturer / Assembler

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

Item / Equipment

FIRE EXTINGUISHING SYSTEMS

Make / Model

EVERSAFE NAF S 125 CLEAN AGENT EXTINGUISHING SYSTEM

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.

TNBD Technical Specification:

KEJ06401:2011, Rev.2 (Approved Date: 22<sup>nd</sup> 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 : 22<sup>nd</sup> February 2017

Issue Date : 27<sup>th</sup> September 2023

Expiry Date : 21<sup>st</sup> 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	<b>Extinguishing Agent</b>					
	NAF S 125 (HFC-125)	NIL	Safety Hi-Tech	UL-2166	UL	GARZ2.EX5694
02	<b>Discharge Valve Including Siphon Tube</b>					
	SHT V20	SH20025128	Safety Hi-Tech	UL-2166	UL	GAQF.EX15573
	SHT V25	SH20025145				
	SHT V40	SH20025190				
	SHT V65	SH20025001				
03	<b>Discharge Container (Cylinder Valve Assemblies – 42 bar Systems)</b>					
	5.0L	SH70025410	Safety Hi-Tech	UL-2166	UL	GAQF.EX15573
	13.4L	SH70025409				
	26.8L	SH70025408				
	40.2L	SH70025407				
	67.5L	SH70025412				
	75.0L	SH70025405				
	100.0L	SH70025404				
	120.0L	SH70025403				
	<b>Discharge Container (Cylinder Valve Assemblies – 25 bar Systems)</b>					
	26.8L	SH72525408	Safety Hi-Tech	UL-2166	UL	GAQF.EX15573
	40.2L	SH72525407				
	75.0L	SH72525405				
	120.0L	SH72525403				
	175.0L	SH70025414				
240.0L	SH70025415					
04	<b>Discharge Hose</b>					
	RIGID HOSE 2 ½ " for SHT V 65	SH23070204	Safety Hi-Tech	UL-2166	UL	GAQF EX15573
	HOSE R2 1" 400M V25 - MODULAR	SH30502140				
	PTFE RELEASE HOSE G. 1/8" X 160MM	SH30503290				
	R2 HOSE 1" 400MM V25 - BANK	SH30506001				
	TF HOSE 1/4" 580 CONES	SH30506014				

Issue date : 27<sup>th</sup> September 2023

Valid until : 21<sup>st</sup> May 2026

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**ii. FIRE SUPPRESSION SYSTEM HARDWARE & APPROVAL (Cont.)**

NO	PART NAME	PART NUMBER	MANUFACTURER	REQUIREMENT & TESTING METHODS	APPROVAL BODY	FILE NUMBER
04	<b>Discharge Hose</b>					
	HOSE R2 ¾" 400MM V20	SH30506070	Safety Hi-Tech	UL-2166	UL	GAQF.EX15573
	RIGID HOSE 1 ½" V40 – BANK	SH30508000				
	RIGID HOSE 1 ½" V40 – MODULAR	SH30508080				
TF HOSE ¼ " 700 CONES	SH30522001					
05	<b>Manifold Check Valve (Non Return Valve – One Way Valve)</b>					
	NON RETURN VALVE 1"	SH21006300	Safety Hi-Tech	UL-2166	UL	GAQF.EX15573
	NON RETURN VALVE 2"	SH21006302				
NON RETURN VALVE V65 MANIFOLD 4"	SH23070221					
06	<b>Discharge Nozzle</b>					
	STEEL CHROMIUM PLATED NOZZLE 360 ½"	SH30400001	Safety Hi-Tech	UL-2166	UL	GAQF.EX15573
	STEEL CHROMIUM PLATED NOZZLE 360 ¾"	SH30400002				
	STEEL CHROMIUM PLATED NOZZLE 360 1"	SH30400003				
	STEEL CHROMIUM PLATED NOZZLE 360 1 ¼"	SH30400004				
	STEEL CHROMIUM PLATED NOZZLE 360 1 ½"	SH30400005				
	STEEL CHROMIUM PLATED NOZZLE 360 2"	SH30400006				
STEEL CHROMIUM PLATED NOZZLE 180 ½"	SH30400008					

 Issue date : 27<sup>th</sup> September 2023

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**ii. FIRE SUPPRESSION SYSTEM HARDWARE & APPROVAL (Cont.)**

NO	PART NAME	PART NUMBER	MANUFACTURER	REQUIREMENT & TESTING METHODS	APPROVAL BODY	FILE NUMBER
06	<b>Discharge Nozzle</b>					
	STEEL CHROMIUM PLATED NOZZLE 180 ¾"	SH30400009	Safety Hi-Tech	UL-2166	UL	GAQF.EX15573
	STEEL CHROMIUM PLATED NOZZLE 180 1"	SH30400010				
	STEEL CHROMIUM PLATED NOZZLE 180 1¼"	SH30400011				
	STEEL CHROMIUM PLATED NOZZLE 180 1½"	SH30400012				
STEEL CHROMIUM PLATED NOZZLE 180 2"	SH30400013					
07	<b>Discharge Actuation</b>					
	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	<b>Pressure Gauge</b>					
	Covered under item no.: 02 Discharge Valve	NIL	Safety Hi-Tech	UL-2166	UL	GAQF.EX15573
09	<b>Pressure Switch</b>					
	Pressure Switch	SH30330010	Safety Hi-Tech	UL-2166	UL	GAQF.EX15573
10	<b>Cylinder Bracket</b>					
	EVERSAFE Bracket	NIL	EVERSAFE	NIL	NIL	NIL
11	<b>Discharge Manifold</b>					
	EVERSAFE Manifold	NIL	EVERSAFE	NIL	NIL	NIL
12	<b>System</b>					
	EVERSAFE NAF S 125 EXTINGUISHING SYSTEM	NIL	EVERSAFE	UL 2166	UL	GAQF.EX15573

Issue date : 27<sup>th</sup> September 2023

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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	<b>Releasing Agent Control Panel</b>					
	QUAESTOR-SZU Panel	SHC80003	Safety Hi-Tech	UL 864	UL	SYZV.S25324
	Conventional Three Zone Panel	EP203	Computationics	EN 12094 EN 54	LPCB	176c
	SIGMA A-XT Panel	EE1810-13	Kentec Electronic	UL-864	UL	UOJZ.S36160
	SIGMA A-XT Panel	K1810-13	Kentec Electronic	UL-864	UL	SYZV.S8485
	Conventional Control Panel	EASIZON	Demco	EN 54	BOMBA	JBPM.IP.RNP: 700-7/2/23-356
02	<b>Manual Discharge Station</b>					
	Manual Extinguishant Release (built-in feature in control panel)	SHC80003	Safety Hi-Tech	UL 864	UL	SYZV.S25324
	Manual Extinguishant Release (Built-in Control Panel)	EE1810-13	Efficient Care	UL 864	UL	UOJZ.S36160
	Manual Extinguishant Release (Built-in Control Panel)	K1810-13	Kentec Electronics	UL 864	UL	SYZV.S8485
	EVERSAFE Manual Call Point	EE-302 & EE-302M	MS 1745-11/BS EN 54-11 (Clause 4.2)	MS 1745-11/ BS EN 54-11 (Clause 4.2)	BOMBA	JBPM / IP / BKK:700 - 7/2/14-19 (11)
	R S G Manual Pull Station	RMS	RSG	UL 38	UL	UNI.U.S2984
	Potter Manual Pull Station	RMS	POTTER			UNI.U.S6569
	Protectowire Manual Pull Station	SG – 42	Signal Communications			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	<b>Manual Abort Station</b>					
	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

Issue date : 27<sup>th</sup> September 2023

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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
04	<b>Smoke Detector</b>					
	VENATOR – DU OPTICAL	SHD90006	Safety Hi-Tech	UL 268	UL	UROX.S25274
	VENATOR – DU IONISATION	SHD90005		UL 268	UL	
	APOLLO	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	
05	<b>Optical Smoke with Thermal Detector</b>					
	N/A	N/A	N/A	N/A	N/A	N/A
06	<b>Heat Detector</b>					
	VENATOR – DU 135F	SHD90007	Safety Hi-Tech	UL 521	UL	UQGS.S25273
	VENATOR – DU 200F	SHD90008				UQGS.S5053
	APOLLO	55000-139	APOLLO			
	Rate of Rise & Fixed Temperature Heat Detector	DCD-AE3	Hochiki	UN 54-5	LPCB	117g-(cl-3)
Rate of Rise and Fixed Temperature Detector	D-103-3	Demco	UL 521	UL	UQGS2.S24894	
07	<b>Multiple Tone Alarm Bell</b>					
	EVERSAFE ALARM BELL	EE – 301	Efficient Care	MS 1745-3/ BS EN 54-3	BOMBA	JBPM / IP / BKK:700 – 7/2/15-8 (11)
	Demco Alarm Bell	D – 102	DEMCO	BS EN 54-3	BOMBA	JBPM / IP / BKK:700-7/2/15-14(18)
	Demco Alarm Bell	D-132	DEMCO	MS 1745	BOMBA	JBPM.IP.RNP.700-7/2/15-22
08	<b>LED Beacon</b>					
	N/A	N/A	N/A	N/A	N/A	N/A
09	<b>Extinguishing Discharge Sign</b>					
	KAWAPI	KP - 305	Efficient Care	N/A	BOMBA	JBPM / IP / BKK:700 – 7/7Jld.1 (25)
	DEMCO	D-104WP/L	DEMCO	N/A	BOMBA	JBPM / IP / BKK:700 – 7/7Jld.9 (47)

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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
10	<b>Backup Battery</b>					
	YUASA NP Series Sealed Lead Acid Battery	NP 7-12	GS YUASA GPA Technologies	UL 1989	UL	BAZR2.MH12970
		NP 12-12				
	GP Sealed Lead Acid Battery	GPP-1272				BAZR2.MH21247
		GPP-12120				
GPP-12170						
11	<b>LED Flashing Light Complete With Buzzer</b>					
N/A	N/A	N/A	N/A	N/A	N/A	
12	<b>LED Evacuate Signal</b>					
	KAWAPI Evacuation Sign	KP - 309	Efficient Care	N/A	BOMBA	JBPM / IP / BKK:700 – 7/7Jld.1 (25)
	DEMCO Evacuation Sign	D-110L	DEMCO	N/A	BOMBA	JBPM / IP / BKK:700 – 7/7Jld.9 (47)
13	<b>Power Line Lightning Arrester 240 VAC</b>					
	OBO BETTERMANN Surge Arrester	V20	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				2019EAO531
		240-5A-PKT10				2019EAO529
240-5A-PKT20		2019EAO530				
14	<b>Signal Line Lightning Arrester 24 VDC</b>					
	OBO BETTERMANN Isolated Loop 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				09052702

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