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200

HFC-227ea

STREAM X
FK-5-1-12

COMPANY

Leading The Fight Against Fire

Established in 1974, Steel Recon Industries Sdn Bhd (SRI) is a proud Malaysian company that offers a comprehensive range of firefighting solutions through a vast network of distributors worldwide.

SRI's products are certified by international standard boards such as VdS, LPCB, BSI, UL, FM, and SAI Global, putting us at the forefront of Malaysian firefighting advances. Manufactured in our own state-of-the-art facilities, this allows us the flexibility to produce products that cater to specific needs and standards.

In line with our commitment in providing the most reliable firefighting solutions for local and global needs, and backed by more than 45 years of elite experience in the industry, we strive to continue delivering unrivalled protection through cutting-edge technology and research to your people and property.

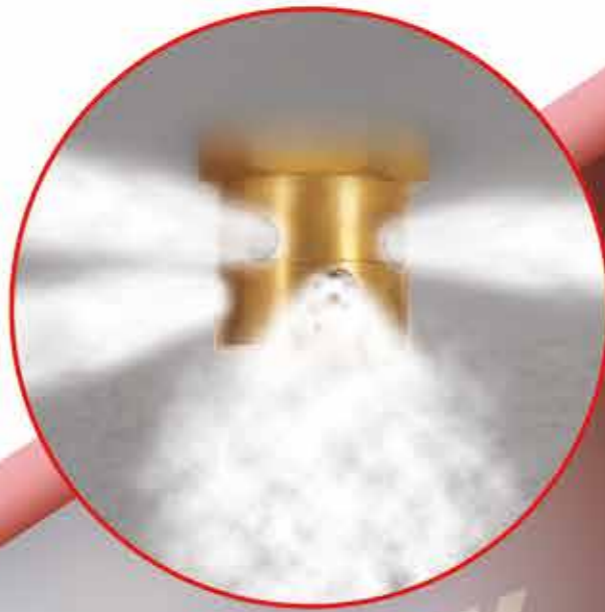


FIRE SUPPRESSION SYSTEMS

SR200

HFC-227ea

STREAMEX
FK-5-1-12



SR200
HFC 227ea
UL
STREAMEX
FK-5-1-12

inertec

Clean Agent Fire Suppression Systems

Gaseous fire suppression systems that suppress fires quickly without harming equipment, the facility, inhabitants, or the environment.

FK-5-1-12

When it comes to fire suppression, **FK-5-1-12** is the most environmentally friendly agent available. It is stored as liquid but is discharged through SRI's Streamex fire suppression system as a colourless and electrically non-conductive gas vapour that has an extremely low atmospheric lifetime.

HFC-227ea

SRI's SR200 fire suppression system uses **HFC-227ea**, a colourless, odourless, non-corrosive, and electrically non-conductive gas agent that leaves no residue and which provides greater protection coverage in a shorter period of time than traditional sprinkler systems.



Commercial Building



Tunnel - Rail - Road



Petrochemical - Offshore



High-Value Asset



Headquarter Control



Industry



TLC & Computer



Airplane - Hangar

FACILITIES



Room Integrity Test Fan

Cylinders of Various Sizes



HFC-227ea Gas
(1 Tonne Tanks)



FK-5-1-12



FK-5-1-12 Gas
(250 Kg Tanks)



Agitator



Filling Machine

CAPABILITIES

1. Inspection

We provide professional inspection services to test the specifications of our client's property in order to provide them with a customised fire suppression system for optimal protection.

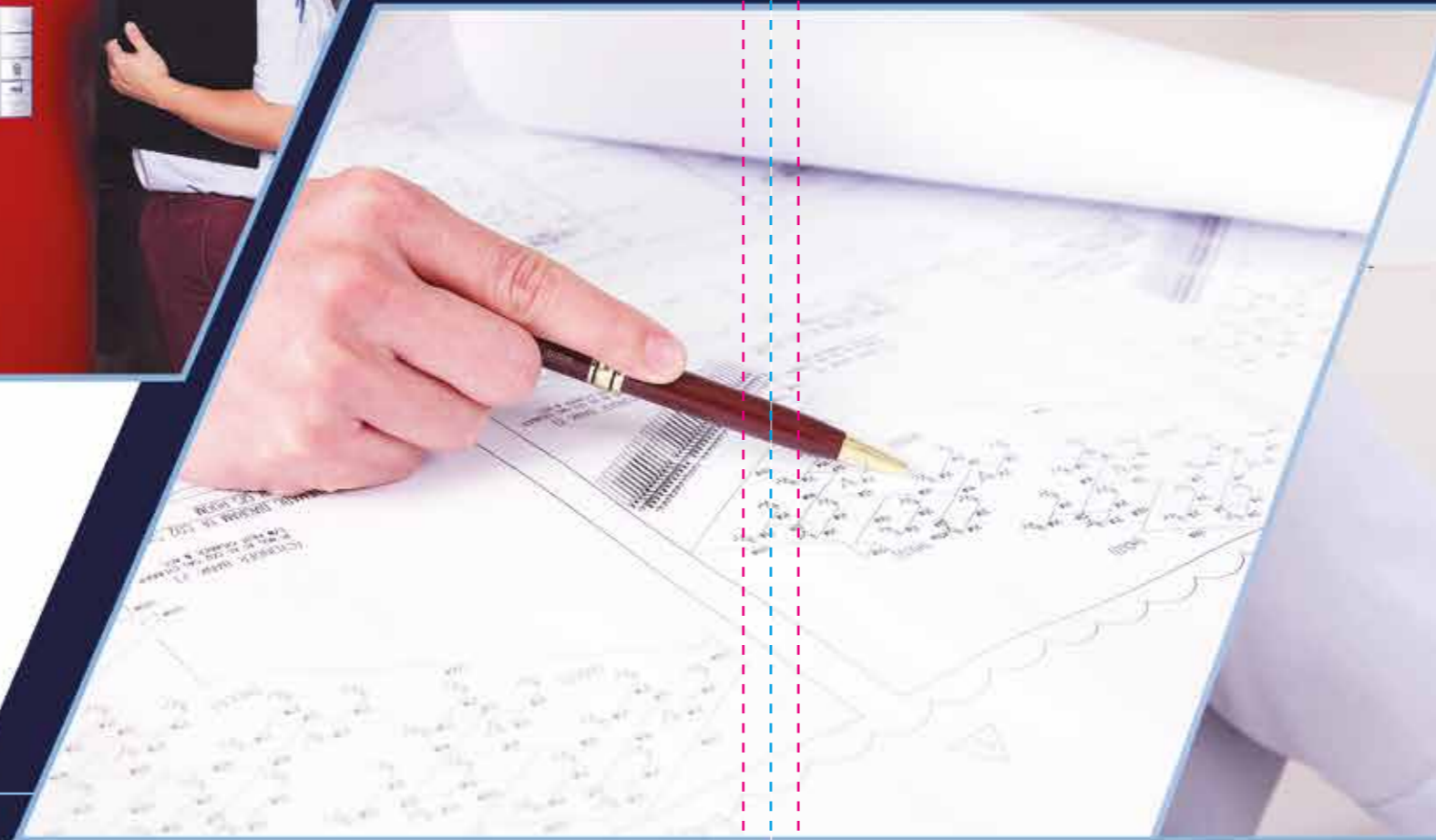


3. Training

After installation/purchase of our products, we provide comprehensive product training and efficient technical support to our clients to ensure that they get the optimum performance out of SRI products and systems.

2. Design & Customisation

Using our state-of-the-art software, we are able to design and customise firefighting equipment and fire suppression systems that fit the specific requirements of our client's property.



SR200 & Streamex Cylinders

Cylinders Specification

TPED Welded Cylinders	Cylinder Volume	Pressure	OD	Valve Size	Total Height,	Overall Height with Valve
Part Number	[L]	[Bar]	[mm]		[mm]	[mm]
SPS-020-MS-009-EN	9	25	273	1" Thread	270	440
SPS-020-MS-016-EN	16	25	273	1" Thread	342	512
SPS-020-MS-032A-EN	32	25	325	1" Thread	480	667
SPS-020-MS-032B-EN				1-1/2" Thread		
SPS-020-MS-052-EN	52	25	325	1-1/2" Thread	740	925
SPS-020-MS-100-EN	100	25	406	1-1/2" Thread	907	1094
SPS-020-MS-120-EN	120	25	406	1-1/2" and 2" Thread	1070	1257
SPS-020-MS-150-EN	150	25	406	2" Thread	1316	1528
SPS-020-MS-180-EN	180	25	462	2" Thread	1223	1464
SPS-020-MS-200-EN	200	25	462	2" Thread	1353	1604
SPS-021-MS-240-EN *	240	25	512	2" Thread	1348	1614
SPS-031-MS-240-EN *			508	3" Flange		
SPS-021-MS-300-EN *	300	25	612	3" Flange	1195	1454
SPS-022-MS-369-EN *	369	25	612	3" Flange	1440	1699

TPED Seamless Cylinders	Cylinder Volume	Pressure	OD	Valve Size	Total Height,	Overall Height with Valve
Part Number	[L]	[Bar]	[mm]		[mm]	[mm]
SPS200-MS-010-EN	10	42/50	140	1" Thread	805	919
SPS200-MS-020-EN	20	42/50	204	1" Thread	780	894
SPS200-MS-030-EN	30	42/50	204	1" Thread	1115	1229
SPS200-MS-050-EN	50	42/50	229	1-1/2" Thread	1440	1577
SPS200-MS-080-EN	80	42/50	360	1-1/2" Thread	1025	1162
SPS200-MS-100-EN	100	42/50	360	1-1/2" Thread	1240	1377
SPS200-MS-140-EN	140	42/50	360	2" Thread	1690	1852

DOT Welded Cylinders	Cylinder Volume	Pressure	OD	Valve Size	Total Height,	Overall Height with Valve
Part Number	[L]	[Bar]	[mm]		[mm]	[mm]
SPS061-MS-275-DT *	275	25	508	3" Thread	1539	1806
SPS062-MS-369-DT *	369	25	610	3" Thread	1454	1712

* UL listing available Q2 2019

Note: Option for liquid level indicator available.

SR200 & Streamex Components

Discharge Valve

Part Number	SPS100-GM-025-UL	SPS100-GM-038-UL	SPS100-GM-050-UL	SPS100-GM-080-UL
Valve Size	1"	1-1/2"	2"	3"
Valve Body Material	Brass	Brass	Brass	Brass
Temperature Range	-10 °C to 60 °C	-10 °C to 60 °C	-10 °C to 60 °C	-10 °C to 60 °C
Actuator Connection	1-1/4" X 18UNEF	1-1/4" X 18UNEF	1-1/4" X 18UNEF	1-1/4" X 18UNEF
Pilot Hose Connection	1/8" NPT	1/8" NPT	1/8" NPT	1/8" NPT
Pressure Gauge Connection	1/8" NPT	1/8" NPT	1/8" NPT	1/8" NPT
Valve Outlet Connection	1-7/16" - 12 UN	1-7/8" X 12 UN	2-1/2" X 12 UN	3" Grooved Connection



Discharge Hose

Part Number	SPS-SR-010-38MM	SPS-SR-010-38M	SPS-SR-010-50MM	SPS-SR-012-50MM	*SPS-SR-011-50MM	SPS-SR-012-80MM FITP90-GRV080-OR
Material	Synthetic Rubber Hose with high tensile steel wire single braid reinforcement					Stainless Steel 304 hose double wire braids reinforcement
Max. Working Pressure	50 bar	90 bar	40 bar	80 bar	40 bar	28 bar
Temperature Range	-10 °C to 60 °C	-10 °C to 60 °C	-10 °C to 60 °C	-10 °C to 60 °C	-10 °C to 60 °C	-10 °C to 60 °C
Length from Elbow Inlet	465 mm	465 mm	520 mm	520 mm	520 mm	480 mm
Elbow Inlet	1-7/8" - 12 UNJ	1-7/8" - 12 UNJ	2-1/2" - 12 UNJ	2-1/2" - 12 UNJ	2-1/2" - 12 UNJ	3" Grooved Connection
Outlet	2" BSP	2" BSP	2-1/2" BSP	2-1/2" BSP	2-1/2" BSP	3" Grooved Connection



* Extended Elbow Discharge House

Check Valve

Part Number	SPS101-GM-050-UL	SPS101-GM-065-UL	SPS101-GM-080-UL
Material	Gun Metal	Gun Metal	Zinc Plated Mild Steel
Seat	Nylon	Nylon	Gun Metal
Washer	Zinc Plated Mild Steel	Zinc Plated Mild Steel	N/A
Nut	Stainless Steel	Stainless Steel	N/A
Spline	Stainless Steel	Stainless Steel	N/A
Temperature Range	-10 °C to 60 °C	-10 °C to 60 °C	-10 °C to 60 °C
Inlet and Outlet Connections	2" BSP	2-1/2" BSP	6" x 3" Grooved Connection



SR200 & Streamex Components

Pilot Line Hose



Part Number	SPS-SR-008-560MM	SPS-SR-008-760MM
Overall Length (mm)	560	760
Material	Synthetic Rubber Hose with 2 high tensile steel wire braids reinforcement	Synthetic Rubber Hose with 2 high tensile steel wire braids reinforcement
Temperature Range	-10 °C to 60 °C	-10 °C to 60 °C
Hose Connections	1/8" BSP	1/8" BSP

Pressure Gauge 25 Bar / 42 Bar / 50 Bar



Part No. For SR200	SPC170-PG-25B-HFC	SPC170-PG-42B-HFC	SPC170-PG-50B-HFC
Part No. For Streamex	SPC170-PG-25B-FK	SPC170-PG-42B-FK	SPC170-PG-50B-FK
Type	Spring Tube Manometer	Spring Tube Manometer	Spring Tube Manometer
Temperature Range	-10 °C to 60 °C	-10 °C to 60 °C	-10 °C to 60 °C
Connection to Valve	1/8 NPT	1/8 NPT	1/8 NPT

Pressure Gauge 25 / 42 Bar / 50 Bar with Low Pressure Switch



Part No. For SR200	SPC169-PS-25B-HFC	SPC169-PS-42B-HFC	SPC169-PS-50B-HFC
Part No. For Streamex	SPC169-PS-25B-FK	SPC169-PS-42B-FK	SPC169-PS-50B-FK
Wire	18 Gage SXL, 36" Length	18 Gage SXL, 36" Length	18 Gage SXL, 36" Length
Temperature Range	-10 °C to 60 °C	-10 °C to 60 °C	-10 °C to 60 °C
Connection to Valve	1/8 NPT	1/8 NPT	1/8 NPT
Crossover Signal's Pressure, bar	20.5 ± 1.5	32.0 ± 2.5	36.0 ± 3.0
			35.0 ± 2.5



Single Flow Vent

Part Number
SPS-SR-FV-RVS700
SPS-SR-FV-RS1000



Manual Actuator Button

Part Number	SPS110-XX-MNL-UL
Material	Brass & Stainless Steel
Actuating Force	12 – 40 lbs
Connection	1-1/8 x 18 UNEF



Latching Solenoid Actuator

Part Number	SPS110-XX-LAT-UL
Material	Brass & Stainless Steel
Actuating Force	12 – 40 lbs
Connection	1-1/4 x 18 UNEF
Supply Voltage	24V DC
Firing Current	0.5 Amp Maximum
Temperature Range	-10 °C to 60 °C
Actuating Force	12 – 40 lbs
Connection	1-1/8 x 18 UNEF



Pneumatic Actuator

Part Number	SPS111-BR-PNE-UL
Material	Brass
Connection	1-1/4" x 18 UNEF
Pilot Hose Connection	1/8" NPT



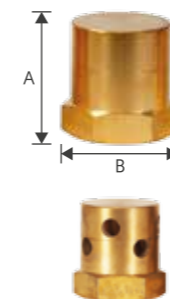
Liquid Level Indicator

Part Number	SPS040-CU-010-UL
Cylinder Size	150L and 200 L
Neck Ring Inlet Size	2"-11.5 NPSC



Valve Outlet Adaptor

Part Number	SPC227-CS-DN25 ADAPTOR	SPC227-CS-DN33 ADAPTOR	SPC227-CS-DN49 ADAPTOR
Valve Size	1"	1-1/2"	2"
Valve Body Material	Brass	Brass	Brass
Valve Outlet Connection	1-7/16" - 12 UN	1-7/8" X 12 UN	2-1/2" X 12 UN



Discharge Nozzle

*Customized modification available

Material	Brass					
Part No. For SR200	SPC075-BR-015-UL	SPC075-BR-020-UL	SPC075-BR-025-UL	SPC075-BR-032-UL	SPC075-BR-040-UL	SPC075-BR-050-UL
Part No. For Streamex	SPC076-BR-015-UL	SPC076-BR-020-UL	SPC076-BR-025-UL	SPC076-BR-032-UL	SPC076-BR-040-UL	SPC076-BR-050-UL
Sizes	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Dim. A (mm)	45	45	56	67	70	88
Dim. B (mm)	31.75	38.10	44.45	50.80	63.50	76.20

Detection Components

Gas Extinguishing Panel



Type 1

Type 2

Type 3

Part Number	FAS-EP203	FAS-PFC-4410-RC-UL	FAS-HOCHIKI-HCVR3-UL
Main Supply Voltage	230V AC, 50/60Hz	120V AC / 220 V AC	115 or 230V AC 50 / 60Hz
Internal Power Supply	24V DC NOMINAL	24V DC NOMINAL	3 Amps total including battery charge 28V +/- 2V
Output Current	3A @230VAC (MAX)	200mA (MAX)	Auxiliary 24V DC output: 18 – 28 V DC special application output, 500mA maximum
Battery Requirement	2x12V DC 7AH	2x12V DC 7AH	2x12V DC 7AH
Battery Charge Current	0.7A	0.7A	0.7A
Sounder Output Rating	21-28V DC, fused@200mA per circuit	24V DC RATED 1 AMP	18 to 28V DC @ 50 mA continuous
No. of Auxiliary Outputs	6 (Fire, Local Fire, Fan, 1st Stage, 2nd Stage, Fault)	1 NO.	1st stage relay, 2nd stage relay, extract relay, trouble relay, local fire, fire relay
Relay Contact Rating	300V DC.1A MAX	3 AMP, 30V DC	30V DC @ 1A Maximum
Maximum Detectors Per Zone	20 NOS.	20 NOS.	20 NOS.
Extinguishant Release Output	21-28V DC, rated at 1Amp for 5mins	24V DC, rated at 1Amp	18 to 18V DC, 1Amp for 5 mins
No. of Monitored Inputs and Type	6 (Manual Release, Flow Switch Low Pressure, Mode, Hold, Abort)	-	5 (Mode Select, Manual Release, Abort, Release Pressure Switch, Low Pressure Switch)
Dimensions	439mm x 276mm x 70mm	457mm x 369mm x 21mm	368mm x 310mm x 90mm
Standard	EN 12094-1:2003 EN 54-2:1997 + A1:2006 + A2:2007 EN 54-4:1997 + A1:2002 + A2:2006	NFPA	NFPA
Approval	LPCB and Bomba	UL and FM	UL and FM
Brand	Context Plus	Potter	Hochiki

Battery - Sealed Lead Acid



Part Number	FAS-198-12V-7AH
Normal Voltage	12V
Dimension (mm)	15mm (L) x 60mm (W) x 90mm (H)
Weight	Max. 2.4 kg
Approval	UL Approved



Discharge Indicator

Part Number	FAS-251
Operating Voltage	24V DC/75mA pe light on
Dimension	190mm x 90mm x 110mm



Sounder

Part Number	FAS-4A-CS100 FAS-4A-Y04-24VDC FAS-4A-GSTM9414R-UL
Operating Voltage	24V DC
Sounder Output	106dB(A) AT 1MTR
Min current consumption	20mA



Evacuate Sign

Part Number	FASKSB-15
Currenting Rating	220mA
Dimension (mm)	260mm (W) x 105mm (H) x 60mm (D)
Indication	Red
Enclosure	Mild steel with wrinkle back



Manual Pull Station

Part Number	FAS072-HOCHIKI-UL FAS072-ANSUL-UL
Contact Rating	10A @ 12V AC



Optical Smoke Detector

Part Number	FAS-HCK-SOC-24VN
Voltage DC	24V DC
Standby Current (max)	59µA
Alarm Current (max)	150mA
Surge Current	160µA
Start Up Time (max)	Instant
Permissible Current (max)	NA
Emitting Duty	Photoelectric infrared LED
Temperature Range	[0 °C to 49 °C]
Humidity	Max 95% RH Non-Condensing
Material of Body	ABS Blend
Colour of Body	Bone PC
Approval	UL/FM



Heat Detector

Part Number	FAS-HCK-DSC-EA
Voltage DC	24V DC
Rate of Rise	15°F/mins
Temperature Range	-10 °C - +50 °C
Materials of Body	ABS Blend
Colour of Body	Bone
Approval	UL



6" Alarm Bell

Part Number	FAS-194 / FAS194-LA-150-UL
Operating Voltage	24V DC
Alarm Current	0.02A
Decibel 10ft	95dB



Abort Switch

Part Number	FAS-258 FAS-258-SIGMAK1823-10-UL
Operating Voltage	20mA



Gas Release Key-Switch

Part Number	FAS260-LA-28V-RD FAS260-PS-28V-RD
Dimension (mm)	100mm (W) x 100mm (H) x 90mm (D)



Manual Call Point

Part Number	FAS221-KAC-VDS
Maximum Voltage	24V DC
Current Rating	2 Amps