

Now Know As



Protrust Solutions, Ltd

The Mill House, Packington Hayes, Nr. Lichfield, Staffordshire WS14 9PN. UK Tel: 01543 756850

E-mail: sales@protrustsolutions.co.uk Web Site: www.protrustsolutions.co.uk

Thank you for purchasing an SPA SFI 17.3 system

First check your rules on what is required of a fire suppression system

Thank you for purchasing a SPA SFI 17.3 system. It is important that you read the following instructions carefully before attempting to install your fire suppression system.

The performance of this system could be affected if it is in anyway modified or tampered with may make void its homologation. Please ensure that should any parts need to be replaced; only genuine SPA components are used.

Should you require any assistance, please do not hesitate in contacting Protrust Solutions on 01543 756850 or SPA Technique on 317-271-7941.

IMPORTANT NOTE

The purpose of this along with any other vehicle fire suppression system is to provide sufficient time in which to control the fire to enable the occupants to leave the vehicle. In ideal conditions, the fire will be extinguished completely but this cannot be guaranteed. The main purpose is to curb the intensity of either an engine or cockpit fire to provide the means for the occupants to leave the vehicle or for outside assistance to be given.

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5lb AM (auto manual block)

2 x Mounts 2 x Nozzles 10 x 02-SPAsfi 020 1 x 02-SP 017 Standard or Billet
02-SPAfs N WL for *FireSense+* (4fire)
5/16 inch aluminum tubing per foot
E-sticker (4") (for placing near or at the
activation point for anyone to be able to
locate)

90 degree elbow, 5/16 tube to 5/16 tube

Swivel 90 degree elbow 1/4bsp to 5/16 tube (can

Optional parts

02-SPAsfi 013

02-SPAsfi 015

be used for block or nozzles) 02-SPAsfi 017 5/16 tube to tube coupler 02-SPAsfi 020 5/16 inch aluminum tubing 5/16 inch steel tubing (this tubing is required by 02-SPAsfi 021 LODLMS, NASCAR, NHRA and some other racing series please check your rule book) 02-SPAsfi 022 5/16 inch EZ-bend steel tubing (this tubing is required by LODLMS, NASCAR, NHRA and some other racing series please check your rule book) E-sticker (1") (for placing near or at the activation 02-SP 129 point for anyone to be able to locate) + or - 4.0"dia Cylinder Strap Mount 02-SPAT 94

02-SPAT B4.0

02-SPAT 99

02-SPAT B4.375

02-SPAT B1.75-1.125 02-SPAT B1.75-1.25 02-SPAT B1.75-1.375 02-SPAT B1.75-1.5 02-SPAT B1.75-1.625 5lb) 1 ¾" chassis tube standard
Billet Mount for Aluminum Cylinder 4.375"dia
(DOT3AL 5lb) 1 ¾" chassis tube standard.
Billet Mount Adapter to 1 1/8" chassis tube
Billet Mount Adapter to 1 ¼" chassis tube
Billet Mount Adapter to 1 3/8" chassis tube
Billet Mount Adapter to 1 ½" chassis tube
Billet Mount Adapter to 1 5/8" chassis tube

Billet Mount for Aluminum Cylinder 4"dia (DOT39

+ or - 4.375"dia Cylinder Strap Mount

FITTING INSTRUCTIONS

- Unpack all parts and check components against kit list.
- Decide the best position for the suppression system cylinder/bottle.
- It is highly recommended that the cylinder/bottle be mounted inside the main crash structure of the vehicle, to not be ripped off or damaged in a crash
- It is also preferred that the bottle not be mounted with the head in the downward position in the vehicle.
- The extinguisher label detailing contents, etc and also the pressure gauge should be visible. Mount securely to the vehicle.

TUBING

Each SPA SFI System kit is supplied with 5/16 aluminum tubing or steel tubing. The SPA SFI system has been designed and meets or exceeds SFI 17.3 specifications using this type of tube. After cutting tubing, deburr inside and outside for best flow and easier connection to fittings.

TUBE CONNECTIONS

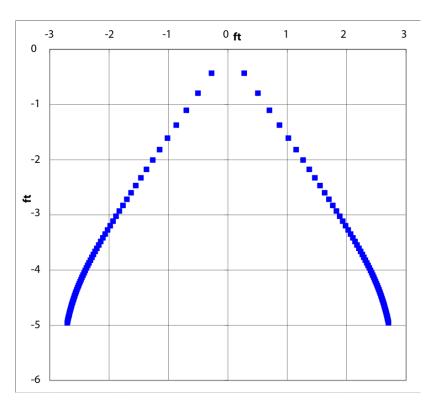
All fittings for tube to nozzles and bottle are of the push-in type. Only exception is a compression type fitting for steel tubing going from the cylinder to the AM block. Insert the tube into the fitting, push firmly until it clicks. Once in, you should not be able to pull it out. To remove the tubing, push the tube into the fitting and at the same time push the collet back towards the fitting and then pull the tube from the fitting.

ACTIVATION POINT

Activation should be mounted within easy reach of the driver. An Esticker should be placed at this spot to make finding it easier for the driver or anyone else to activate the system if needed. The AM block will also activate at 175°F of temperature at its location.

Be sure to have the nozzle spray the body of the driver. Don't have it spray directly at helmet / face of the driver, as this may keep them from seeing to exit the vehicle.

Approximate nozzle spray pattern for FireSense+ (4Fire)



MAINTENANCE

To ensure maximum possible performance from your SPA System, the following checks and maintenance procedures should be carried out:

- Regularly check pressure gauge to ensure they are in the green sector.
- Regularly check nozzles for debris or any obstructions.
- Regularly check the integrity of the pipe work and fittings.
- Your SPA system **MUST** be serviced every 2 years, per SFI17.3 rules.

A service date is written on the content label on the cylinder/bottle for the system. It is up to you to ensure that the servicing is carried out at the correct intervals. Servicing of the system must be carried out by SPA or one of our Authorized Service Centers

- If your system has been discharged, you must return it to SPA or one of our Authorized Service Centers for servicing and refilling.

NOTES

Please ensure that you monitor the following, as you **MAY NOT** pass scrutineering/tech **IF**:

- The needle of the gauge is in the red.
- The bottle label is worn, damaged or unreadable.
- The unit is not within the service date.
- The system is in poor condition.

Before going on track

- Make sure any and all safety pins are out.
- Make sure if system has a valve that it is in the open position and recommend safety wiring it in the open position.
- Have driver practice reaching to activate system without being able to see belted in.

FireSense+ (4fire) DATA SHEET

COMPOSITION: Proprietary blend, information will be provided to a physician as needed

O D P (Ozone Depletion Potential): NONE OPERATING TEMPERATURE: -30 - 120°C

FREEZING POINT: - 30 °C

PHYSIOLOGICAL PROPERTIES: No observed adverse effect level and lowest observed adverse effect level. This product is ph neutral and contains no toxic components

A copy of the 4fire material safety data sheet can be obtained from Protrust Solutions, SPA Technique, or 4fire International upon request.

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Standard AM block configuration



Note - Safety pin/R-clip needs to be removed. Mount so driver can pull lanyard/pin as straight as possible out to activate.



Optional compression fitting for steel tubing from cylinder/bottle

Valve on Cylinder / Bottle



Valve on the left is in the off/closed position. Valve on the right is in the on/open position.

For the system to work the valve <u>MUST</u> be in the <u>On/Open position!</u>

We recommend safety wiring in the on position when racing/on track.

There is a hole in the handle to do this.

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SPA Technique, Inc. 8225 Indy Lane Indianapolis, IN 46214 Phone: 317.271.7941

Email: info@spatechnique.com
Web: www.spatechnique.com

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SFI 17.3 System