

- Nozzles and Pipes -

Always cut pipes with a rotary pipe cutter and deburr the inside of the tube this will prepare the pipe for fitting to the connectors which are all push in. Ensure all push in fittings are fully inserted into the fitting.

Your system is supplied with 6 nozzles, A minimum of 2 must be fitted in the cockpit. A minimum of 3 should be fitted to the engine bay, **ALL 6 NOZZLES SHOULD BE USED**. It is recommended that a vehicle with a turbocharger, 4 nozzles are fitted to the engine bay 2 on the inlet system and 2 on the Turbocharger. On normally aspirated engines 3 in the cockpit and 3 in the engine bay.

- Maintenance -

Ensure the pressure gauge is in the green. Visual inspection of all components for damage, including nozzles tubes and cylinder, ensure cables are well lubricated with grease.

Every 2 years the system must be returned to for service and revalidation. As this system has a stainless steel cylinder this system has a 16 year safe working life.

- Replacement pipe , Fittings and Nozzles -

All pipes fittings and are available from PD Extinguisher's or its authorised agents



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Revision 2



4Kg Haylo (Halon replacement) Fire Extinguishing System

Electronic Operation



Installation & Maintenance Instructions

Thank you for purchasing a PD Extinguishers System, this extinguisher is designed to suppress fire in a competition saloon car, giving the occupants of the car time to exit the vehicle to safety. This system complies with its FIA Homologation only when installed in its entirety.



Kit Illustration



90° Nozzle & Fitting



Tee Nozzle & Fitting

- System Components -

- | | |
|------------------------------|-------------------------------|
| 1 x Cylinder with Valve | 1 Control Box and Loom |
| 2 x Rolls of Pipe | 1 Tee Pipe Fitting |
| 6 x Nozzles | 2 x E Stickers |
| 2 x Bracket including Straps | 1 x Instruction Manual |
| 4 x Tee Nozzle Fittings | 1 x Bulkhead Fitting |
| 2 x 90° Nozzle Fittings | 8 x M6 Bolts Nuts and Washers |

- Mounting the Cylinder -

Your cylinder should be mounted within the cockpit, it is best mounted to allow easy checking of the pressure gauge and service record. Attach the brackets to the vehicle floor with a min of 8 (4 in each bracket) M6 bolts nuts and washers. When securely bolted and the straps are tight, no longitudinal movement will occur, however longitudinal support can be added or the unit may be mounted between sill and tunnel or other supporting structures.

- Extinguishant and Ingredients -

Information on Toxicological effects Signs and Symptoms of Exposure. Based on test data and/or information on the components, this material may produce the following health effects:

Inhalation: No known health effects.

Skin Contact: Contact with the skin during product use is not expected to result in significant irritation.

Eye Contact: Contact with the eyes during product use is not expected to result in significant irritation.

Ingestion: No known health effects.

Toxicological Data

Acute Toxicity

Name Route Species Value

1,1,1,2,2,4,5,5,5-Nonfluoro-4-(trifluoromethyl)-3-pentanone Dermal Professional judgement LD50 estimated to be > 5,000 mg/kg

1,1,1,2,2,4,5,5,5-Nonfluoro-4-(trifluoromethyl)-3-pentanone Ingestion Professional LD50 estimated to be > 5,000 mg/kg

- Electronic Actuation -

Actuation buttons should be mounted as below.

- 1 to be mounted externally below the windscreen
- 1 to be mounted internally in easy reach of both occupants (if applicable)

The control box pictured below must be mounted to give easy access to arm the system or do a system test



Control Unit



NB 2 different pin configurations TAKE CARE

Self-Test

On pressing the ARM button, all 3 LEDs will illuminate for 5 seconds during its self-test. After 5 seconds, the yellow battery led and red test led will go off unless a fault is detected.

- A flashing yellow led indicates the batteries should be replaced
- A flashing red led will indicate there is a cable fault, i.e. the extinguisher may not be plugged in.

Immediately on pressing Arm, the external operation button will be active and will cause the extinguisher to discharge if pressed.

Firing button Test

To test the firing buttons 1st arm the unit then **disarm** the unit, the buttons can then be safely tested by pressing individually, when pressed the self-test above will be initiated.