

## Section 2 – Installation & Maintenance Instructions.



### F-TEC3500MK

#### Mechanical Plumbed-In Fire Extinguisher System Installation Instructions

This is a Biofilm 3S Premium - homologated Foam fire extinguisher system. To maintain optimum performance all systems should be serviced every two years.

**IMPORTANT** Please read the following before commencing any installation.

1. These instructions should be followed during installation. Please contact us if you require any assistance during installation.
2. The components supplied should be used in accordance with the instructions and any advice we may give you. If you do not comply with the instructions or any such advice, without limitation, any warranty may be invalidated.
3. Do not connect pull cables to the extinguisher until you have completed the entire installation.
4. Check cables for free movement before final connections are made.
5. This product should be returned every 2 years from date of manufacture to FEV or an appointed service agent, for a complete check, and service refill – and re-certification for a further 2 years.

#### KIT CONTENTS

Qty	Description	Part No.	Drawing No.
1	Cylinder	F-TEC3500MK-C	1
1	Pull Cable 12ft	FE-PC-12	3
1	Pull Cable 6ft	FE-PC-6	2
4.7mtr	10mm Aluminium tubing	FE-ALI-10	4
4.3mtr	8mm Aluminium tubing	FE-ALI-8	8
2	Cockpit Nozzle with 10mm x ¼ Metal Swivel Elbow	FE-FOAM-C-PIT-NOZ-8-R	7
4	Engine Nozzle with 8mm x ¼ Metal Swivel Tee	FE-FOAM-ENG-NOZ-8-R	10
		FE-M-TEE-CON-8X-1/4	11
1	Metal Tee Connector 10-10	FE-T-CON-10	6
1	Metal Tee Connector 8mm with 10mm x ¼ Metal Straight Connector	FE-T-CON-10-8	9
1	Metal Y Connector 10mm	FE-Y-CON-10	5
1	Cable nipples x 2	FE-CN	
8	8mm Tube clips	FE-P-CLIP-M-8	
8	10mm Tube clips	FE-P-CLIP-M-10	
1	Large 'E' label	FE-E-L	
1	Small 'E' label	FE-E-SL	

Fire Extinguisher Valve Co Ltd  
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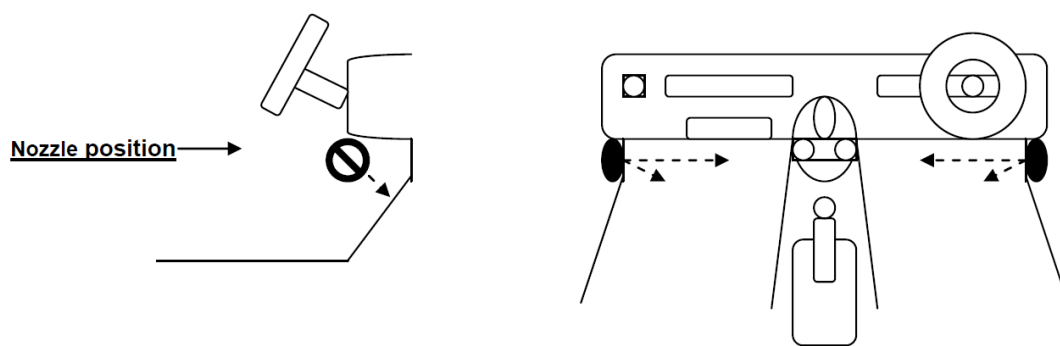
## **INSTALLATION INSTRUCTIONS**

1. **BOLT** the cylinder-mounting cradle to the vehicle structure **SECURELY**.
2. Mount the pull cables to enable operation in accordance with current regulations. One inside the vehicle within easy reach of the driver (and co-driver where applicable) and one on the outside adjacent to the electrical cut out switch. Apply the E decal label adjacent to the external pull cable.

**PLUMBING** - IMPORTANT Please note 8mm and 10mm piping supplied fits into various fittings in accordance with assembly drawing no F-TEC3500MK ensure that all push in connections are secure. Note that the supply from the firing head should enter the centre branch of the Y connector and exit the two outlets of the Y connector into the two centre branches of the two T connectors the two outlets of each T connector then supply four engine nozzles and two cockpit nozzles.

**Engine Nozzles** should be positioned in the 4 corners of the engine bay. If in doubt, ask your local Motorsport UK/FIA scrutineer to advise.

**Cockpit Nozzles** Should be mounted one nozzle on each front door pillars and just below the bottom line of the dashboard. pointing downwards into the floor pan and towards the occupants' foot area,



**THIS IS A SAFETY ITEM! CHECK YOUR INSTALLATION CAREFULLY! IF IN DOUBT ASK!**

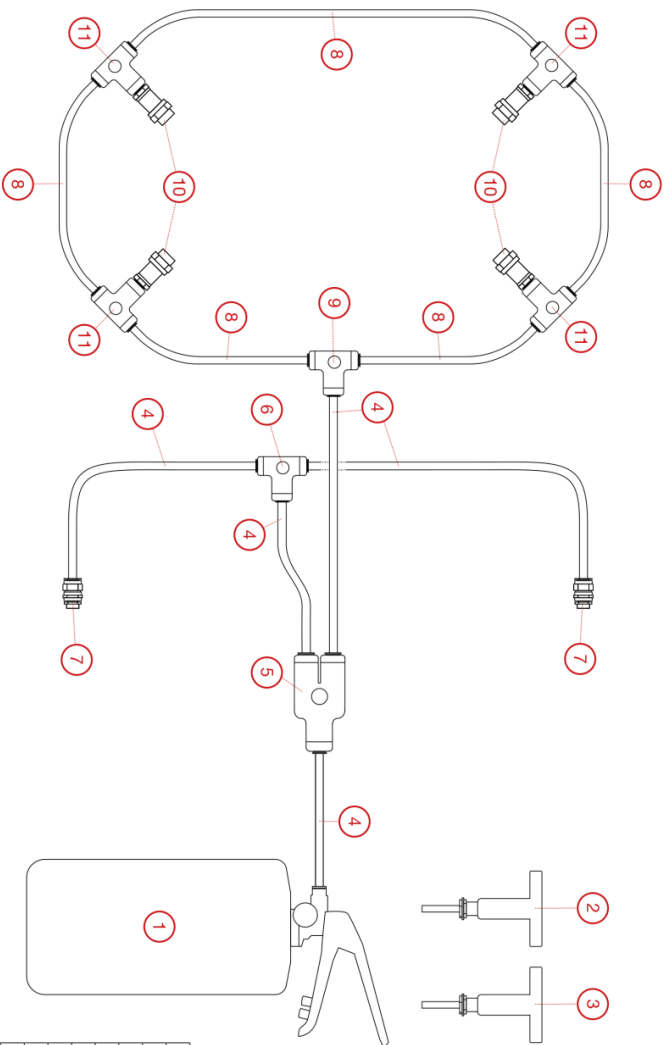
**Please Note:** FEV Biofilm 3S Premium systems are tested and rated for a temperature operation range of  $-10$  to  $+60$  degrees C in accordance with FIA regulations and technical list 16. Users should ensure that where high temperatures are anticipated adequate provision is made to locate the system away from high temperature sources (exhaust, catalyst, etc) and if necessary fit reflective insulation around the cylinder.

**BEFORE EVERY EVENT CHECK SYSTEM CONTENTS, NOZZLES ARE CLEAN AND ALL CONNECTIONS ARE SECURE**

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Item	Part Number	Qty
1	1M CYLINDER	1
2	FE-PC-6	1
3	FE-PC-12	1
4	FE-ALL-10	1
5	FE-Y-CON-10-M	1
6	FE-T-CON-10-M	1
7	FE-FOAM-C-PTT-NOZ-10	2
8	FE-ALL-8	1
9	FE-T-CON-10-8-M	1
10	FE-FOAM-ENG-NOZ-8	4
11	FE-M-TEE-CON-8X-1/4	4

FIRE SUPPRESSION				Fire Extinguisher Valve Co Unit 10, Ford Lane Business Park Ford, Nr Aundel, West Sussex Tel: 01243 555566   Fax: 01243 555660 www.f-e-v.co.uk	
CYLINDER INSTALLED IN REAR				A4	
THIRD ANGLE PROJECTION				A4	
DRAWING NO.		F-TEC3500MK		TITLE	
ASSEMBLY MECHANICAL SYSTEM					

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