

INSTRUCTION MANUAL

FIRE FIGHTERS 350, 400, 600, 800, 1100 & 2200L

MANFIRE REV B 09/04/26



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Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

We warrant our goods to be free from defects in materials and workmanship for the warranty period of 12 months from the date the product is delivered to the consumer.

Silvan warrants its authorised Dealer, who in turn warrants the original purchaser (consumer) of each new Silvan product that it will repair or replace the product, or pay the cost of repair or replacement, as determined by Silvan without charge for labour or any defective or malfunctioning parts in accordance with the warranty limitations below.

This Warranty is in addition to any other rights and remedies available to consumers under the law

This Warranty Covers

Only conditions resulting directly from defects in workmanship or material under normal use and service.

Warranty Exclusions

The Warranty does not cover:

- Conditions resulting from misuse, use of incompatible chemicals, exceeding machine specifications including overloading, impact damage, negligence, accidental damage or failure to perform recommended maintenance services as specified in the Owner/Operator Manual applicable to the product.
- Damage caused by continued use of a product after initial failure
- Any product which has been repaired by other than an authorised Silvan service outlet in a way which, in the sole and absolute judgment of Silvan, adversely affect its performance or reliability.
- The replacement of maintenance items such as diaphragms, batteries, V belts and ground engaging components, etc.

How To Claim Warranty

Return the goods to the place of purchase at your cost and within the warranty period along with evidence of the purchase date. If the original supplier cannot be contacted, then contact Silvan as below and we can direct you on how to proceed with your warranty claim.

How Your Claim Will Be Managed

The repair of a defective product qualifying under this warranty will be performed by any authorised Silvan service outlet within a reasonable time following the delivery of the product, at the cost of the owner, to the service outlet's place of business. The product will be repaired or replaced depending on the extent of the problem at the discretion of Silvan and the Silvan dealer.

Note: Honda Engine Warranty

Honda engine warranty is managed by Honda Australia Motorcycle and Power Equipment Ptd Ltd (Honda MPE) and their servicing agents. The Honda Australia warranty policy can be found on their website.

Note: Davey Pump Warranty

Davey warranty is managed by Davey Water Products Pty. Ltd. and their servicing agents. Please refer to The Davey Warranty Policy that can be found on their website.

Safety Instructions



Before attempting to operate or install the sprayer carefully read and take note of the following safety warnings.

Failure to comply with these warnings may result in serious injury or death.

Warning! This Fire Fighter is designed and manufactured solely for the purpose of carrying and pumping water. Under no circumstances may it be used for any other purposes.

Warning! Prior to use all users and operators must have read and fully understood the contents of this manual and any other manuals supplied with unit including the engine or pump manuals

Warning! Ensure the capacity of the vehicle is suitable for the loaded mass of the Fire Fighter. Refer to the vehicle manufacturer's instructions for safe working loads, towing capacities and relevant safety instructions.

Warning! Exercise extreme care when operating in hilly or uneven terrain to ensure proper stability. Refer also to the vehicle manufacturer's operating and safety instructions.

Warning! The Fire Fighter must be securely restrained on the vehicle. Ensure all fasteners are tightened and secure before operation.

Warning! Never allow inadequately trained personnel to attach or operate the implement.

Warning! Before carrying out maintenance work, wash the Fire Fighter thoroughly to remove anything that may contaminate it.

Warning! Do not point the fire nozzle at any part of the human body.

Warning! Do not pump flammable liquids or operate the pump in an explosive environment.

Warning! Do not operate engine in a confined space. The area must be well ventilated.

Warning! Do not operate the pump if there is no water in the tank.

The following "Safety" decal should be fitted to the machine at all times. If the decal is missing or unreadable it should be replaced by ordering a new decal from your Silvan dealer by the part number DEC48



P/NO DEC48

Specifications



GENERAL

A variety of models are available and configured with a variety tank size, pumps, motors, hoses, reels and accessories

Your Product code indicates the configuration

Product Code	Tank Size L	Type	Pump	Hosereel	Fast Filler
SQF350D-FPR1	350	Freestanding	Davey 1 Impellor	Poly	
SQF400S	400	Freestanding	Selecta Power	Optional	
SQF400S-FPR1	400	Freestanding	Davey 1 Impellor	Poly	
SQF400D	400	Freestanding	Davey 1 Impellor	Optional	
SQF400D-FPR1	400	Freestanding	Davey 1 Impellor	Poly	
SQF400D-FPR4	400	Freestanding	Davey 1 Impellor	Poly	Y
SLF600D-1	600	Sled Frame	Davey 1 Impellor	Poly	Y
SQF600D-FPR1	600	Freestanding	Davey 1 Impellor	Poly	
SQF800D-FPR3	800	Freestanding	Davey 2 Impellor	Poly	
SQF800D-FPR4	800	Freestanding	Davey 1 Impellor	Poly	Y
SLF1000D-1	1100	Sled Frame	Davey 1 Impellor	Metal	
STF1000D-1-BLV	1100	Trailer	Davey 1 Impellor	Metal	Y
SLF2200D-1	2200	Sled Frame	Davey 1 Impellor	Metal	

PUMPS

- **Selecta Power Fire Fighting Pump** 6.5 Hp Engine, Twin Impellor Pump, 250 L/min open, Max 100psi Pressure, Max 3.5m Suction Lift, self Priming.



- **Davey Fire Fighting Pump Single Impellor** GX160 Honda Engine, Davey Single Impellor pump, 425 L/min open, Max 80psi Pressure, Max 3.5m Suction Lift, self Priming.



- **Davey Fire Fighting Pump Double Impellor** GX200 Honda Engine, Davey Single Impellor pump, 425 L/min open, Max 80psi Pressure, Max 3.5m Suction Lift, self Priming.



Specifications



HOSEREELS

- **30m Poly Manual** – Locking device to prevent unrolling. 30m of ¾" Fire hose



- **30m Metal Manual** – 30m of ¾" hose with hose feeder



DIMENSIONS

Product Code	Tank Size L	Length	Width	Height	Dry Weight
SQF350D-FPR1	350	1100	835	1050	76
SQF400S	400	1060	940	920	65
SQF400S-FPR1	400	1060	940	1235	77
SQF400D	400	1060	940	920	65
SQF400D-FPR1	400	1060	940	1235	77
SQF400D-FPR4	400	1060	940	1235	80
SLF600D-1	600	1720	1350	910	175
SQF600D-FPR1	600	1830	940	1140	82
SQF800D-FPR3	800	1800	940	1240	97
SQF800D-FPR4	800	1800	940	1240	100
SLF1000D-1	1100	1970	1160	1050	200
STF1000D-1-BLV	1100	3500	2000	1500	411
SLF2200D-1	2200	2300	1350	1400	322

To calculate the weight of the sprayer including water, add 1kg to the dry weight for every litre of water. E.g. The laden weight of the SQF400S with 400L of water is 65 + 400 = 465kg



Ensure the capacity of the vehicle is suitable for the loaded mass of the Fire Fighter. Refer to the vehicle manufacturer's instructions for safe working loads, towing capacities and relevant safety instructions.

FITTING INSTRUCTIONS

The sprayer must be securely attached to the vehicle or trailer. Refer to manufacturer's instructions for appropriate load limits and fitting positions.

The sprayer should be mounted centrally and as near to the vehicle centre of gravity, as possible. It should not protrude so it will not cause an obstruction.

To calculate the weight of the sprayer including water, add 1kg to the dry weight for every litre of water. E.g. The laden weight of the SQF400S with 400L of water is $65 + 400 = 465\text{kg}$

Note: 1 litre of water = 1 kg. -Refer to the previous table for the dry weight of your fire fighter.

Never fill spray tank to a capacity beyond the specified overall weight limits set by your vehicle manufacturer.

PUMP AND MOTOR INSTALLATION INSTRUCTIONS

The Pump and Motor are supplied with their own instruction manuals. Please refer to these for precise instructions

The motor should also be checked for oil. An oil alert prevents the motor starting unless it has oil.

Before the pump is operated for the first time add water to the pump through the top of the pump. This is to prime the pump before first use.



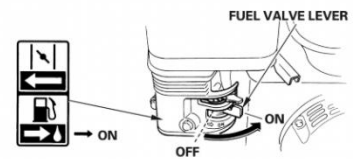
PUMP AND MOTOR OPERATION

- Fill the tank with water.
- For units equipped with a Fast Fill kit ensure the ball valves are set according to the Fast Fill Operating Procedure in this manual
- If required, prime the pump by unscrewing the cap at the top of the pump and filling it with water. Open the hose nozzle before starting the engine to allow the pump to prime and purge trapped air
- Start the pump's engine.

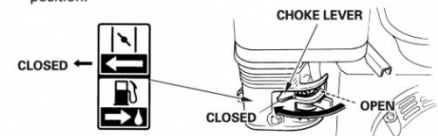
The complete instructions for the operation and maintenance of the engine can be found in the separate instruction manual supplied with the pump motor combination. A brief summary is shown below

- Turn the fuel tap lever to the **ON** position.
- Position the choke lever to **CLOSED** if the engine is cold. Once started move **open** position
- Turn the red coloured ignition switch to the **ON** position.
- Start the engine by pulling the Pull-start handle.
- Never run the pump dry for longer than 2 minutes or pump seals may be damaged.
- To stop the engine move the red coloured ignition switch to the **OFF** position

1. Move the fuel valve lever to the ON position.



2. To start a cold engine, move the choke lever to the CLOSED position.



FAST FILL KIT OPERATION (If Fitted) Click the QR code to refer to Operation video

- Fast fill kits are supplied with 6m of wire reinforced suction hose and foot filter plus camlocks for easy tank refills from water storage
- Connect the fast fill hose female camlock to the male camlock.
- Place the filter at the end of the hose into a dam or trough, ensure the filter is deep enough to prevent it sucking air.
- On the 3 Way Valve turn the red lever on the ball valve to the upright position that is fitted to the suction side of the pump
- On the 2 Way Valve turn the red lever on the ball valve clockwise that is fitted to the outlet of the pump to allow the flow from the fast fill to enter the tank.
- Start the engine (refer to **Pump's Engine start up procedure**)
- Once the tank is full, turn off the Engine and turn the levers on the ball valves to the original position

