

<b>iFUEL® CUBE OPERATIONS MANUAL</b>	<b>Client</b>	iFUEL®	<b>Title</b>	iFUEL® CUBE Operations Manual
	<b>Spot</b>		<b>Job #</b>	Revision 1B



## iFUEL® Cube Operations Manual



Prepared by: Paul Morgan – Technical Manager

3/8/2018

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### Correct lifting of iFUEL® CUBES

1. Lift only when empty
2. Only use the lifting points as identified on the iFUEL® Cube
3. iFUEL® Cubes are supplied standard with four way forklift pockets

Do not operate this equipment unless you are authorised and suitably trained.

1. Authorised persons are those that have been approved to use this equipment in the workplace and are suitably trained to do so.
2. All persons operating this equipment should do so in accordance with workplace health and safety and environmental guide lines governing their workplace.
3. Carry out pre-operational inspections prior to using this equipment.
4. Use personal protective equipment when operating this equipment.
5. Report all faults or potential hazards directly to the persons responsible in the workplace.
6. Upon finding any faults with the equipment do not operate the equipment, take the equipment out of service according to your workplace procedures and arrange for the equipment to be repaired by an authorised repairer.
7. iFUEL® offers training services where by iFUEL® provides suitably qualified persons to offer instruction on the safe use of the equipment provided.
8. iFUEL® offers service and repair to all refuelling equipment.



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	<b>Spot</b>		<b>Job #</b>	Revision 1B

iFUEL® Cubes are designed and constructed in accordance with the following standards for the storage and transportation of fuel and oils compliant with

1. UN1202
2. UN31A/Y
3. AS1940
4. AS1692

For location and installation of your iFUEL® Cube refer to the Australian standards AS1940 and AS1692 storage of combustible and flammable liquids.

1. Seek approvals from governing bodies prior to installation, as required
2. Install appropriate signage, impact protection and fire fighting equipment suitable for the product stored and dispensed for the iFUEL® Cube.
3. Install on a level hard compacted surface

iFUEL® offers services for installation and compliance with AS1940 and local governing authorities.



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	<b>Spot</b>		<b>Job #</b>	Revision 1B

**iFUEL® Cubes are clearly labelled with the following Decals:**



1. Product label, Warning signage, Safe fill level, Fill point, Dip point, Suction point, Return point and Vent
2. Warning Only Lift When Empty
3. Warning No Welding or Drilling
4. Danger Confined Space
5. No Smoking No Naked Flame
6. Compliance plate and Serial Number are located under the lid
7. Instruction and Operations Guide is located under the lid

The iFUEL® labelling is complaint with AS1940 and AS1692

Please ensure these decals are kept clean and are in good repair.

iFUEL® Cubes are supplied with a tank gauge for content level; calibrated dip sticks are not supplied as standard but are available from iFUEL®.



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	<b>Spot</b>		<b>Job #</b>	Revision 1B



**Before filling the iFUEL® Cube inspect the following:**

1. Visible damage to the inner and outer tanks.
2. Labelling is correct for the product being stored in the iFUEL® Cube.
3. Inspect for the correct operation of the vent.
4. Dip the tank prior to filling operations.
5. Pumping equipment if fitted is not in operation.
6. Ask you petroleum supplier to provide their site requirements prior to arranging a delivery.
7. No smoking, naked flames or hot works to be carried out in the refuelling area
8. Only fill the iFUEL® Cube with a hand held splash fill nozzle.
9. Do not leave unattended while filling.
10. Do not pressure fill the iFUEL® Cube using a Camlock Fitting – Nozzle Fill Only
11. Do not overfill the iFUEL® Cube.
12. Replace all caps upon completion of filling operations
13. Monitor the bunded area while filling



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	<b>Spot</b>		<b>Job #</b>	Revision 1B

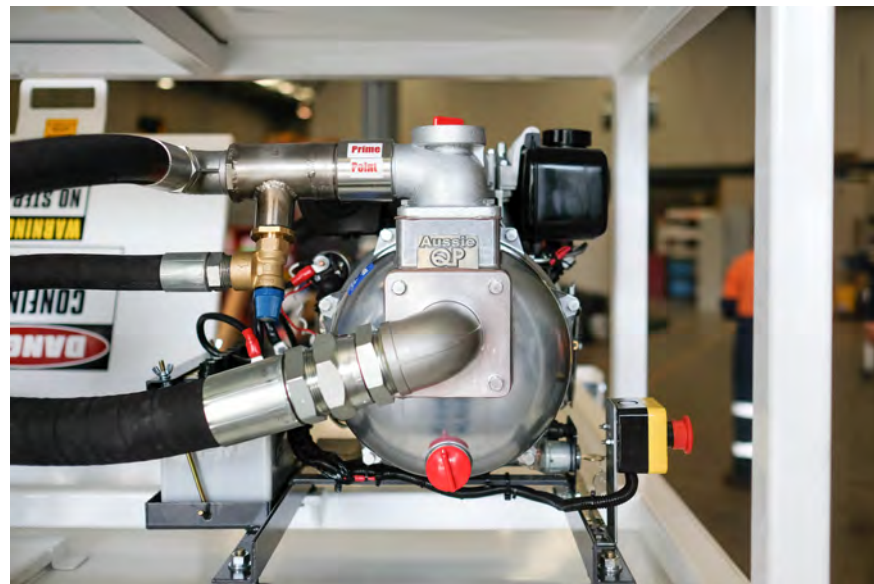


### Priming iFUEL® Supplied Pump

iFUEL® supplies and installs a wide variety of pumping equipment depending on the customer's requirements.

Please refer to the manufactures documents supplied for operation and service

1. Priming pump equipment, note most pumps supplied are self-priming and no further action is required. If required remove the hose from the suction point on top of the tank, fill suction hose with product. Reattach the hose and start the pump.
2. For centrifugal pumps remove the priming plug on the pump, fill with product. Replace the priming plug and start the pump.



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	<b>Spot</b>		<b>Job #</b>	Revision 1B



## Normal Operation of the iFUEL® Cube

The iFUEL® Cubes is designed to be fitted with pumping equipment and configured in multiple ways.

Common configurations are:

- Generator supply tank – no pumping equipment fitted
- Generator supply tank – pumping equipment fitted
- Light vehicle refuelling - hand operated pumping equipment
- Light vehicle refuelling powered equipment – 12Volt, 24Volt and 240Volt and Air Operated Pumping Equipment

iFUEL® recommends on site commissioning and training of the use and maintenance of the equipment fitted.

iFUEL® Cube generic refuelling operation procedure

1. Refer to the manufactures documentation for pumping equipment use and operation.
2. Inspect the iFUEL® Cube and pumping equipment for damage and wear prior to operation and report any faults, do not operate if faults are found.
3. No Smoking or Naked Flames
4. Turn off vehicles prior to refuelling
5. Wear PPE
6. Dip iFUEL® Cube prior to refuelling operations to ensure sufficient product for the operation being carried out.
7. Remove the vehicle fuel cap, insert the refuelling nozzle.
8. Start the pump and operate the nozzle, do not leave the nozzle unattended while refuelling.
9. Upon completion of refuelling operations turn off pumping equipment, replace hose and nozzle to avoid damage and trip hazards.
10. Replace vehicle filler cap.
11. Secure the iFUEL® Cube in accordance with site procedures.

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	<b>Spot</b>		<b>Job #</b>	Revision 1B



## Scheduled Maintenance

iFUEL® recommends scheduled maintenance is carried out at set intervals

6 monthly by a suitably qualified tradesperson to any additional equipment fitted to the iFUEL® Cube such as pumps, filters, meter calibrations and so on.

Check with iFUEL® regarding programmed maintenance for you Cube.

On a weekly basis check the following:

1. Check the iFUEL® Cube for water contamination.
2. Check pumping equipment for wear and tear, refer to the manufactures documentation for pumping equipment use and operation
3. Inspect signage for damage to signage.
4. Monitor and clean bund.

iFUEL® can supply service, spare parts and accessories for your iFUEL® Cube.

Contact IFUEL® on 07 3204 2240 or contact [sales@ifuel.com.au](mailto:sales@ifuel.com.au)







  
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