

2.5bar / 7bar / 7.5bar / 9bar fire fighter / water bowser skid unit

If you have purchased a stationary, trailer, flowbin or horizontal unit with 1 or more outlets then the process remains the same

Components:

1. Tank inlet ball valve
2. Hose outlet ball valve
3. Suction ball valve (Inlet)
4. Nozzle
5. Hose
6. Suction pipe
7. Tank outlet valve
8. Engine / Pump assembly

Before starting the pump assembly:

1. Check engine oil level.
2. Check fuel level.
3. Check for visible leaks (oil, fuel and water)
4. Check for basic wear and tear and replace if necessary.
5. Ensure engine mounting tautness.
6. Ensure no loose components on engine.
7. Ensure valves are open as per requirement to ensure no unnecessary strain on the pump

Start-up procedure: (Image on next page)

1. Move on/off switch (4) to the on position.
2. Move choke (2) to on position.
3. Ensure fuel cock (3) is open.
4. Move throttle lever (1) slightly open.
5. Pull recoil starter rope to start engine. Ensure the recoil mechanism has engaged before pulling the rope.
6. Once engine is running move choke (2) to the off position.
7. Let engine idle until the exhaust is warm to touch, only then can you open the throttle to desired engine speed.
8. Once warm then use the unit as required.



How to fill the unit:

1. **NB!!** - Open tank lid to ensure no pressure build up.
2. Connect suction hose (6) to inlet ball valve (3) with camlock quick connect couplers.
3. Open Inlet ball valve (3)
4. Close tank outlet valve (7)
5. Close hose outlet ball valve (2)
6. Open tank inlet ball valve (1)
7. Insert suction pipe into water source.
8. Prime & start pump assembly (see pump manual)
 - a. It will take approx. 30 – 40 seconds for suction hose to fill.
 - b. It will take approx. 3 minutes to fill 1000lt tank.
9. Once tank is full turn engine off or set to circulation ----->

If engine off mode, then:

1. Close inlet ball valve (3)
2. Disconnect Suction hose (6)
3. Unit is ready for transport or later use.

If circulation mode, then:

1. Open tank outlet valve (7)
2. Close inlet ball valve (3)
3. Disconnect suction hose (6)
4. Unit is now circulating; additives can be added if required.
5. Adjust engine throttle to desired position.

Flowbins

You need it, we customize it

We tank, pump and pipe anything

508 Transnet Avenue
Capital Park
Pretoria
Tel: 012 770 4360/1
info@flowbins.co.za
www.flowbins.co.za
Vat: 5390276907
Reg: 2014/159087/07

How to use the hose:

1. Ensure unit is in circulation mode.
2. Open hose outlet ball valve (2)
3. Adjust nozzle (4) to preferred position.
4. Close tank inlet ball valve (1).
5. Do not let pump assembly run with all valves in closed position.



Shut down procedure:

1. Move throttle (1) to the idle position.
2. Move on/off switch (4) to the off position.
3. Ensure fuel cock (3) is closed.

General Maintenance: - NB!! The engine is 4 stroke and uses unleaded fuel.

1. First service after 1 month or 20 hours of operation, thereafter every 3 months or 50 hours.
2. Service should consist of:
 - a. Replace engine oil (15w40 multigrade - approx. 500ml... use dip stick for accurate measurement, beware for overfilling as this will also damage the engine)
 - b. Replace spark plug (NGK BP6ES)
 - c. Air filter clean or replace:
 - i. Clean the foam portion in cleansing solvent and dry every 50 hours (every 10 hours if in unusually dusty circumstances). Then immerse in clean engine oil until saturated, squeeze out excess oil.
 - ii. Replace if required.
3. Check for visible leaks or breakages and repair / replace immediately.
4. Check proper function of recoil starter.

Problem solving:

1. Engine will not start:
 - a. Ensure there is fuel in the tank.
 - b. Ensure the fuel cock is open.
 - c. Ensure the on off switch is in the on position.
 - d. Choke (2) is in the on position for starting.
 - e. Check Oil level (the unit is equipped with a low oil safety shut off)
 - f. Check coil wire to spark plug is not damaged and fits snug.
 - g. If all is correct, then refer Flowbins.
2. No water through spray nozzle(s):
 - a. Ensure the engine is started and running.
 - b. Valve 7 should be closed when collecting water from a water source and open when collecting water from the tank.
 - c. Valve 3 should be open when collecting water from a water source and closed when collecting water from the tank.
 - d. Ensure hose outlet valve (2) is open.
 - e. Ensure spray nozzle(s) (4) is open.
 - f. If all is correct, then refer to Flowbins.

Flowbins
You need it, we customize it

We tank, pump and pipe anything

508 Transnet Avenue
Capital Park
Pretoria
Tel: 012 770 4360/1
info@flowbins.co.za
www.flowbins.co.za
Vat: 5390276907
Reg: 2014/159087/07