

# BATTERY: 12V 20AH Lithium Iron Phosphate (LiFePO<sub>4</sub>).

## *Tips for Prolonging Battery life*

### **Long term maintenance**

The battery should be fully recharged over night after use. When the machine is not in use the battery should be recharged every 2 weeks to keep it in optimum condition. **Never leave a battery in a discharged condition.** Leaving a battery for a period in excess of 3 months can permanently damage the battery and reduce its life span. Please note the battery is covered for 12 months under the machine guarantee.

### **Battery:**

The machine is supplied with a 12V 20AH Lithium Iron Phosphate (LiFePO<sub>4</sub>) battery. When the battery is fully charged it should operate the pump for ± 8 hours of constant run time. To maximize battery life it is important that the battery is fully charged before first use and then recharged after each use. To fully charge the battery it should be charged overnight. To recharge the battery simply plug in the charger to the recharge point on the console of the machine, plug into the mains electricity and switch on. After charging switch off and disconnect charger.

## Advantages of Lithium Iron Phosphate (LiFePO4) Batteries over Sealed Lead Acid.

	<u>Lead Acid</u>	<u>Lithium Iron</u>	<u>Difference</u>
<b>CAPACITY:</b>	12v 18 AH	12v 20 AH	+10%
<b>DIMENSIONS:</b>	181mm (L) x 77mm (W) x 167mm (H)	181mm (L) x 76mm (W) x 170mm (H)	
<b>WEIGHT (g):</b>	4800	2750	-42%
<b>DEPTH OF DISCHARGE (DoD):</b> (How low the battery can be discharged without damaging it)	50%	80%	+30%
<b>LIFE CYCLE (Estimated):</b>	1000	3000	+300%
<b>GUARANTEE:</b>	0 Years.	1 Year.	
<b>BATTERY MANAGEMENT SYSTEM (BMS):</b>	No.	Yes.	Prevents damage to battery
<b>CHARGING:</b> (No change to charger or charging system)	No change.	No change.	