COMPACT DIESEL PUMP

Applies to the following models ONLY:

ECON75	ECON75.MAN

Please read carefully BEFORE commencing installation.

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ENVIRONMENTAL INFORMATION

UK Regulation SI 2013 3113 require that the equipment bearing this symbol on the product and/or its packaging must not be disposed of with unsorted municipal waste. The symbol indicates that this product must be disposed of separately from regular household waste streams. It is your responsibility to dispose of this and other electric and electronic equipment via designated collection facilities appointed by the government or local authorities.

IMPORTANT WARNING NOTES

1. This dispenser MUST NOT be used to dispense petrol or other flammable liquids.
2. It must not be sited adjacent to a petrol dispenser or in any other hazardous zone.
3. On above ground storage tanks a spring loaded angle check valve or pressure regulating valve must be fitted at the tank outlet to prevent loss of fuel under gravity in the event of vandalism or accidental damage.
4. Installation of this equipment and its associated tank, pipe work and fittings should only be carried out by qualified fuel installation engineers.
5. The installation must conform to all relevant electrical and local authority regulations and standards.

INSTALLATION INSTRUCTIONS

1. Mount to a wall or suitable vertical surface.
2. Connect the pipe from the tank to the suction inlet of the pump. The inlet thread is 1" BSP female. If the pump is more than 2 metres from the tank the pipe should be 1½" diameter reducing to the appropriate size just before the pump inlet. Seal the threads with a suitable thread-sealing compound.
3. Seal the supplied nipple, elbow and brass bush into the meter outlet using thread sealing tape or a suitable thread-sealing compound.
4. Connect the hose supplied (or a suitable "soft wall" hose) to the meter outlet elbow. In turn connect the nozzle supplied (or a suitable trigger or automatic nozzle) onto the hose. Seal both joints with a suitable thread-sealing compound.
5. Connect the flying lead to a suitable power supply, fused at 10 amps for 230V as follows:
   Brown – Live,   Blue – Neutral,   Yellow/Green - Earth
6. The pump unit is self-priming. However, if the pump unit is struggling to prime when using an automatic nozzle then stop the pump unit, remove the nozzle from the end of the delivery hose, place the end of the delivery hose into a suitable container or tank, and start the pump unit again. Once primed refit nozzle.

INSTRUCTIONS FOR USE

1. Switch on pump
2. Place nozzle spout in fuel tank
3. Squeeze nozzle trigger to dispense fuel
4. On completion of delivery release trigger and remove nozzle from fuel tank

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OPERATION WARNING - FAILURE TO OBSERVE THE WARNINGS BELOW MAY LEAD TO THE PUMP UNIT BEING DAMAGED:

1. Please ensure that the delivery hose is stowed correctly after each use to prevent it being run over by a vehicle.
2. Do not run the pump dry.
3. **DUTY CYCLE = 30 minutes maximum.** Duty cycle may vary with load and ambient temperature.
4. Do not run the pump for prolonged periods on bypass. (Nozzle closed)
   Maximum running time on bypass = 2 minutes.

CALIBRATION

The meter is pre-calibrated to be used with standard diesel fuels. However, specific operating conditions such as flow rate, temperature and density of fuel may affect the meter accuracy and a re-calibration should be carried out after the installation has been completed.
A new calibration is necessary each time the meter is disassembled for maintenance operations or when it is used to measure fluids that differ from standard diesel fuel.

CALIBRATION PROCEDURE:

1. Using a stubby flat ended screwdriver, unscrew the brass calibration cap located underneath the meter outlet port. This will expose the calibration screw.
2. Purge the system (pump, pipelines, meter) of air by dispensing until the flow stream is full and steady.
3. Stop the flow by shutting off the nozzle, but keep the pump running.
4. Reset the register to 0000 using the reset knob.
5. Dispense at the full flow rate into a calibration container having a capacity no lower than 20 litres. Do not reduce the flow in order to reach the graduated zone of the calibration container. The right method is to start and stop the full flow repeatedly until the required filling is obtained.
6. Compare the indication of the calibration container (real value) with the one of the meter (indicated value).
   a. If the indicated value on the meter register is higher than the real value in the measure can then wind the calibration screw OUT (anti-clockwise).
   b. If the indicated value on the meter register is lower than the real value in the measure can then wind the calibration screw IN (clockwise).
7. Repeat the operations 4 to 6 until accuracy is satisfactory.
8. Refit the brass calibration cap.

DECLARATION OF CONFORMITY

Date of Issue: 7th April 2009
                     Amended 25th July 2011

Equipment Details: ECON75 range of diesel pumps

Applicable standards: EMC
                      EN61000-6-3: 2001 (+A11) Emissions

                      2006/95/EC Electrical Equipment
                      (Low Voltage)

                      Machinery Directive 98/37/EC
                      (2006/42/EC)

                      Machinery Directive 2006/42/EC

                      The Pressure Equipment Regulations
                      1999 S.I. 1999/2001
                      Entry Into Force:- 29 November 1999
                      Amended to S.I. 2002/1267
                      Pressure Equipment Directive 97/23/EC

                      Waste Electrical and Electronic Equipment
                      Regulations 2006
                      2002/96/EC 2003/108/EC

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