

## MECP10K Priming Procedure

*Martel Electronics Corp.*

P/N: **80337**

Products: **MECP10K Hand Pump**

**Released By:**

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### Section: 1

#### Priming the MECP10K Hydraulic pump without fittings attached.

1. Before attaching any fittings or meters follow the procedure below for initial priming.
2. Hold the pump upright, and then remove the filler cap located on the top of the liquid reservoir.
3. Fill the reservoir up to the maximum line with clean distilled water, mineral oil or hydraulic oil 32 (10W), then re-install the filler cap finger tight.
4. Adjust the **Vernier Knob** to approximately the mid point of its range.
5. Open the **Bleed Knob** fully, by turning it counterclockwise until it stops.
6. Lay the pump over horizontally for approximately one minute or until the liquid appears at the top or side ports (this allows the liquid to fill the passages inside of the pump body easily) then stand the pump back up vertically, close the **Bleed Knob** (clockwise). Pump the handles a few times and the liquid should start to fill the ports.
7. Attach any instruments, hose connections or plugs to the ports and continue to compress the handles until pressure is created.  
Note: It may take several dozen compressions of the handles to create pressure depending on attachment volumes and length of hoses.
8. Open the **Bleed Knob** to release pressure and any trapped air back into the reservoir. Repeat this cycle two to three times as it may take several cycles on a new pump to remove trapped air from inside of the pump.
9. Once the air has been purged the pump can be stored primed and if necessary slightly pressurized to maintain a good prime. If distilled water is used it should be changed once a month or when the water becomes contaminated.

## Section: 2

### Priming The MECP10K Hydraulic Pump that has fittings attached.

1. Make sure that there is the proper amount of clean liquid in the liquid reserve.
2. Open the **Bleed Knob** fully, by turning it counterclockwise until it stops.
3. Lay the pump over horizontally for approximately one minute so that the liquid can fill the passages inside of the pump body, then stand the pump back up vertically, close the **Bleed Knob** (clockwise). Pump the handles several times until pressure is created.
4. Open the **Bleed Knob** to release pressure and any trapped air back into the reservoir. Repeat this cycle two to three times as it may take several cycles to remove trapped air from inside of the pump.
5. Once the air has been purged the pump can be stored primed and if necessary slightly pressurized to maintain a good prime. If distilled water is used it should be changed once a month or when the water becomes contaminated.