The MF. 2. Flowmeter is intended primarily for use during extra corporeal perfusion such as open heart surgery with heart and lung equipment and during dialysis with the artificial kidney. The unit is however, suitable for the measurement of flow in any electrically conducting fluid.

The flowmeter is in two units. (1) Flowmeter head, (2) Power supply, amplifier, indicator and alarm unit.

The flowmeter head is a rectangular unit 2½" x 2¾" x 4½" in a chrome-plated magnesium alloy box. The fluid connections are of stainless steel 12 mm outside diameter and the bore 9.5 mm internal diameter. Weight 3½ lbs.

The bore is smooth and free from constriction or irregularities. Materials within the bore in contact with the blood are stainless steel, P.T.F.E. (Teflon) and 2 mm diameter silver electrodes.

The flowhead may be sterilised by boiling, auto claving up to 130°C or by most chemical methods, e.g. formaline vapour, ethylene oxide gas, detergent disinfectants, etc. When there is doubt as to the method of sterilisation the manufacturers should be consulted.

The power supplies, amplifier, indicator and alarm circuits are housed in a steel cabinet finished in hammer grey stove enamel. The overall sizes being: length 12½", depth 8½" and height 7½", weight 14 lbs.