NEW PRODUCT INFORMATION

Dow Corning Silastic® pump tubing has high tear resistance and high resiliency. It is available in seven standard sizes for use in roller pumps, and can also be made to customer specifications. Made of a 50 durometer translucent medical grade silicone elastomer, it is resilient under hypothermic conditions.

Sci-Med's BST-J cardiotomy reservoir incorporates a 3-layer polyester depth filter to offer effective 20 μm filtration of particulates, debris, and microaggregates. Minimal hemolysis, excellent defoaming, and a large 3-liter capacity characterize this unit which is available in filtered and non-filtered models.

Critikon Cerebral Function Monitor allows simplified EEG monitoring minute-by-minute with trend recordings. Signals from parietal electrodes can be recorded in real time mode or average mode. L.E.D. displays show amplitude and frequency of cerebral electrical activity and audible and visual alarms are activated if activity falls below preset limits.

Searle Life Support systems battery-operated in-line monitor provides continuous measurement of pO₂ and pCO₂ during open-heart surgery. The measurements are real-time, blood temperature corrected pO₂ values obtained via a Clarke-type oxygen electrode incorporated into the bypass circuit by means of a sterile in-line connector.

Bard Cardiopulmonary William Harvey® Arterial Filter employs an air separation chamber to gently release air emboli from blood before it passes through a non-reactive 33 micron filter element. Blue tinting enhances visibility. Choice of telescopic or gooseneck holder.

Delta K-20 Pediatric Bubble Trap removes air from arterial or coronary perfusion lines by centrifugal phase separation and buoyancy. Bubbles collect on top in one bolus which is removed via the luer fitting. The bottom luer fitting permits pressure or temperature monitoring. ¼-inch barbed fittings, visibility, and holder are convenient for the perfusionist.
Delta L-3 Purge Line automatically exhausts air bubbles from bubble traps or arterial line filters. During normal perfusion a flow control valve adjusts flow rate. Distal male luer fitting to attach to cardiotomy or oxygenator and one-way check valve in the line allows flow away from filter or bubble trap while preventing backflow.

The Bentley BOS-2S infant oxygenator has been engineered specifically for the low blood volume and low blood flow rates encountered in infant cardiovascular surgery. Dynamic priming volume is 100 ml, and gas transfer is controllable from flow rates 0.25 L/min to 1.25 L/min. A "flow director" distributes blood over heat exchanger to provide rapid, even cooling.

Cobe Membrane Lung provides effective gas transfer, minimal blood trauma, and the convenience and safety of bubble oxygenators. Single reservoir, high performance heat exchanger are integral. O₂ and CO₂ controls are separate and gas scavenging outlet frees air of volatile anesthetic gases. Drug addition and blood sampling are made safe through a portable system.

Carolina Medical Electronics Cliniflow II microprocessor based electromagnetic flowmeter is designed specifically for vascular and cardio-thoracic applications. Digital signal processing, automatic zero, touch-sensitive digital controls, fast response mean flow output, frequency response up to 100 Hz and full isolation are features of this unit.

The Bard Cardiopulmonary William Harvey® Hemo-Concentrator removes fluid during hemodilutional cardiopulmonary bypass by employing a semi-permeable membrane in a hollow fiber configuration. While excess fluid is removed, vital formed elements and proteins are retained in the blood. Disposable system includes hemo-concentrator, filtrate reservoir and circuit.
NEW PRODUCT INFORMATION

Cobe Stockert Pulsatile Flow Controller II System features traces or readouts of patient pressure and patient ECG. Ease of set-up, control and safety enhance physiologic pulsatile flow while on bypass or in counter-pulsation.

Advanced Med-Science all stainless steel pump features automatic oxygenator level regulator to control the arterial pump and returning venous flow. The automatic level regulator eliminates possible patient trauma caused by shutoff and start-up of the arterial pump as well as the need to manually adjust pump speed to maintain desired blood level for safe perfusion.

Renal Systems Digi-Dyne portable pressure monitor with digital readout uses eight rechargeable NiCad batteries. It measures air-coupled pressures between +760 and -760 mmHg and has visible and audible alarms whose set points are user-programmable. The monitor is factory calibrated and offers high accuracy with low zero drift.

Delta PMS-2 Pressure Monitor Separator protects aneroid manometers against liquid contamination and prevents air from entering fluid-filled lines. The chamber utilizes a flaccid diaphragm which is not a porous filter and can be used wet or dry. Male luer fittings insert into bubble traps, etc.

DLP hand-held Coronary Cannula permits direct perfusion of coronary arteries. The malleable stainless steel shaft is lightweight with female luer hub. Distal end of soft radiopaque plastic has a soft flange tip which occludes the ostium and prevents backflow of cardioplegia, as well as four laterally opposed openings. Available in 10, 12, and 14 French sizes.

For further information, contact the manufacturer:
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Delta Medical Industries Sunland, California 92626
DLP, Inc., Walker, Michigan 49504
Dow-Corning Corporation, Midland, Michigan 48640
Renal Systems, Inc., Minneapolis, Minnesota 55441
Searle Life Support Systems, Dallas, Texas 75247

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