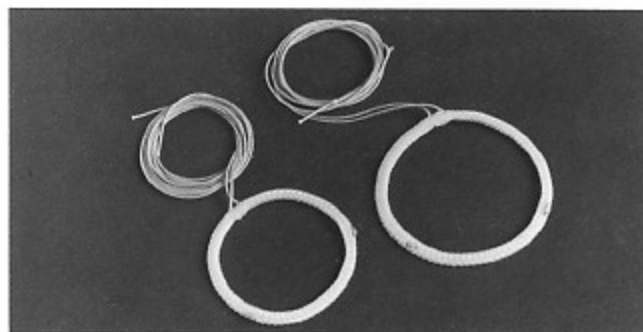


Puig Massana-Shiley Annuloplasty Rings



The Puig Massana-Shiley Annuloplasty Ring is intended for use in open heart surgical procedures where repair of diseased or damaged atrioventricular valves (mitral or tricuspid) is indicated. The Annuloplasty Ring provides support for the mitral or tricuspid annulus and restricts expansion of the annulus to within preset limits.

The Puig Massana-Shiley Annuloplasty Ring is radiopaque and consists of a braided Dacron* tubular ring with an internal Teflon* impregnated Dacron* purse-string

suture. The purse-string suture allows for contraction of two-thirds of the device thus providing a variable diameter.

The Puig Massana-Shiley Annuloplasty Ring is offered in two sizes, "small" and "large." The "small" device (Product Designation PMSA-S) has an adjustable mean diameter from 24 to 29 mm. The "large" device (Product Designation PMSA-L) has an adjustable mean diameter which covers the range from 28 mm to 35 mm.

DuPont

Bonchek-Shiley Cardiac Jacket



The Bonchek-Shiley Cardiac Jacket is intended to provide uniform topical hypothermia to the myocardium during cardiovascular surgical procedures such as isolated heart valve replacements, heart valve replacements with coronary bypass surgery, ascending aorta repairs, and certain congenital anomalies.

The Bonchek-Shiley Cardiac Jacket is provided separately as Product Designation BCJ-301, or in combination with a recirculation coil and $\frac{3}{16}$ -inch (9.5 mm) O.D. pump-head tubing, as Product Designation BCJ-401. The BCJ-401 is designed to be used with the Recirculation Set Holder (Product Designation RSH) for ease of operation.

The Cardiac Jacket is a soft, flexible heat exchanger which can be wrapped around the heart. It allows the use of dry field techniques and meets the needs for cooling and maintaining the cold temperature of the heart for myocardial protection.

The Cardiac Jacket consists of two sheets of polyurethane film bonded together, one sheet having a fluid channel. The inlet and outlet cold solution lines are bonded to the Cardiac Jacket assembly in order that cooling solution can be circulated from a source outside the operative field.

The solution inlet tubing of the BCJ-301 contains a spike which is to be attached to the sterile solution source, solution flow control clamp, and a temperature monitoring site. The outlet tubing of the BCJ-301 contains a temperature monitoring site and terminates in $\frac{3}{16}$ -inch (4.8 mm) inner diameter tubing.

The BCJ-401 set also includes a cooling coil, pump head tubing, and bucket to recirculate the cooling fluid through the Cardiac Jacket. The set is designed to accommodate an occlusive roller pump capable of using $\frac{3}{16}$ -inch (9.5 mm) O.D. pump tubing. The pump head inlet tubing line contains a spike which is to be attached to the sterile solution source. The bucket is provided to contain the cooling coil and ice. Temperature monitoring sites are attached to the inlet and outlet cold solution lines.