



# FloPump<sup>®</sup>

INTERNATIONAL  
**BIOPHYSICS**  
CORPORATION

# FloPump® Family of Centrifugal Pumps - The Choice is Yours

The FloPump family of centrifugal pumps consists of 3 disposable, single-use continuous flow centrifugal blood pumps available in 32ml, 57ml and 80ml priming volume.

Additional features include:

- Minimum surface contact
- Designed to minimize the risk of blood stasis and hemolysis
- Effective flow of up to 7 L/min
- Medical-grade transparent polycarbonate housing
- Standard 3/8" connectors

Centrifugal pumps are commonly used for short-term mechanical cardiac assist due to simplicity of application, universal access, and low cost. Indications and techniques for application of this technology continue to evolve<sup>1</sup>. Centrifugal pumps have been used widely as the main pump in open heart surgery to reduce damage to blood elements and to reduce the activation of the coagulation system<sup>2</sup>.

The FloPump family of centrifugal pumps are manufactured in a state-of-the-art, ISO 13485 certified and FDA registered manufacturing facility at International Biophysics Corporation.

## FloPump® 32

The FloPump 32 is one of the smallest centrifugal blood pumps available, at 32ml prime, which considerably reduces hemodilution. The FloPump 32 is a centrifugal pump used to pump the blood through an extracorporeal circuit for periods lasting less than 6 hours.

The FloPump 32 Centrifugal Pump is for use exclusively with the ROTAFLOW® Centrifugal Pump System, including ROTAFLOW® Console, Drive Unit and Emergency Drive.



### SPECIFICATIONS:

Priming Volume: 32ml

Flow rate: 0 – 7l/min

Maximum Outlet Pressure (mmHg): 750

Product	Order #
3/8" FloPump 32	6400S or 6400N (Sterile or Non-sterile)



1. Curtis J Jack, et al. Centrifugal Pumps: Description of Devices and Surgical Techniques. The Annals of Thoracic Surgery 1999 68:2, P666-671.

2. Yoshikai M, et al. Clinical Use of Centrifugal Pumps and The Roller Pump in Open Heart Surgery: A Comparative Evaluation. Artificial Organs. 1996 20:6, P704-706.

## FloPump® 57

The FloPump 57 is a centrifugal blood pump with a smooth cone and compact, low profile fins that gently handles blood, resulting in low hemolysis. The FloPump 57 is a centrifugal pump used to pump the blood through an extracorporeal circuit for periods lasting less than 6 hours.

The FloPump 57 Centrifugal Pump is for use exclusively in conjunction with the Sorin Stöckert Centrifugal Pump System, including SCP Console, SCP Drive Unit and Emergency Drive.



### SPECIFICATIONS:

Priming Volume: 57ml

Flow rate: 0 – 7l/min

Maximum Outlet Pressure (mmHg): 750

Product	Order #
3/8" FloPump 57	6500S or 6500N (Sterile or Non-sterile)

## FloPump® 80

The FloPump 80 is a centrifugal blood pump with a vortex cone design to provide gentle blood handling. The FloPump 80 is used in conjunction with the International Biophysics FloProbe® and is designed to be used with the Medtronic® BioMedicus® Console to pump blood through the extracorporeal bypass circuit for extracorporeal circulatory support for periods appropriate to cardiopulmonary bypass for up to six hours.



### SPECIFICATIONS:

Priming Volume: 80ml

Flow rate: 0 – 7l/min

Maximum Outlet Pressure (mmHg): 900

Product	Order #
3/8" FloPump 80	6000S or 6000N (Sterile or Non-sterile)
3/8" FloProbe	3080S or 3080N (Sterile or Non-sterile)





For over a quarter of a century, International Biophysics Corporation has manufactured medical device products with an unwavering commitment to quality and on-time delivery.

Centered on a precision ISO 13485 certified, FDA registered, manufacturing facility in Texas, International Biophysics has been developing innovative and disruptive technologies for the global healthcare community.

International Biophysics Corporation has developed and manufactured heart pumps, suction wands, surgical tubing organizers and sophisticated products such as the AffloVest® high frequency chest wall oscillation therapy vest, portable oxygen concentrators, erbium lasers, audiometer machines and ozone generators on space shuttles.



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