



The **Teleflex Arrow AC3 Optimus** intra-aortic balloon pump has a fast startup time. Setup is easy and guided by visual prompts on a large high-resolution touchscreen display. The AC3 Optimus can easily deliver advanced IABP support to even the most compromised patients. This IABP has a user-friendly design with an intuitive user-interface.

## Features

- Simple, clean design, large display, fewer keys, mobility/portability.
- Simple quick confirmation that routine tasks have been completed.
- Fast and easy interaction. Quick and easy access to documenting therapy status.
- Simple green, yellow, and red graphics allow for communication of parameter status.



## Specifications

### Dimensions

#### Control Module with Monitor

Height: 10.25" (26 cm)  
Width: 14.5" (36.8 cm)  
Depth: 2" (5 cm)

#### Pneumatic Drive Unit

Height: 33.3" (84.6 cm)  
Width: 13" (33 cm)  
Depth: 24.5" (62.2 cm)

### Weight

**Control Module:** 6 lbs (2.7 kg)

**Pneumatic Unit AC3 Optimus IABP:** 98 lbs (44.5 kg)

**Total Weight for AC3 Optimus IABP:** 104 lbs (47.2 kg)

### Display

**Type:** High-resolution color touchscreen display

**Size:** 13.3" (33.78 cm) diagonal

**Sweet Speed:** 25 msec ( $\pm 1\%$ )

**Channels:** 3-channel multicolor waveforms

### System Modes

**AutoPilot Mode:** Automatically selects ECG/AP signal, sources, trigger mode, and timing method as well as timing settings; Automatically changes settings to optimise assist; Proprietary software sets timing to correspond to individual patient needs

**Operator:** Allows user control of most pump functions

### Pneumatics

**Drive system:** Stepper motor-driven bellows

**Drive gas:** USP-grade helium

**Helium tank:** Disposable canister (500 psi) or refillable (2000 psi) cylinder—U.S. approval; (2900 psi) cylinder—European approval

**Pumping volume:** 0.5 cc to 50 cc, adjustable in 0.5 cc increments

Counterpulsation rate: 40 to 200 pulsations/minute

**Assist ratio options**

### Condensation Removal

Thermoelectric system removes moisture continuously from pneumatic system without interrupting counterpulsation

