

# INFUSION PUMPS



## 1 Types of Infusion Pumps

### VOLUMETRIC

- Delivers precise fluid volumes (e.g., IV fluids, medications) over a set time

### PERISTALTIC

- Uses rollers to compress tubing and move fluid
- Handles various fluids, programmable features

### ELASTOMERIC

- Small, portable and silent.
- Elastic membrane for continuous or intermittent medication flow

## 2 FAQs

### Environments

Stationary (hospital/clinic) or ambulatory (home/outpatient)

### Uses

Deliver nutrients and medications intravenously

### Power Requirements

- Mostly low power (10 W to 100 W)
- External AC-DC adapters
- Internal AC-DC power supplies
- DC-DC converters

### Standards

IEC60601-1 compliance; Type BF typically sufficient

### Power Levels

10 to 50 W; higher if battery charging included

### Modification Requirements

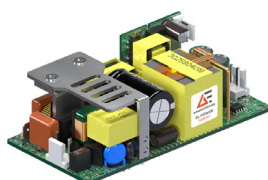
- Internal open frame power supplies: Minimal changes (voltage, leakage, EMI)
- External adapters: Ruggedized design, strain relief, smooth cleanable surfaces, custom colors/markings



SL POWER

### GB10-40 Series

10 W – 40 W PSU with Type BF Level Isolation and Leakage Current



SL POWER

### NGB150 Series

150 W PSU with Type BF Level Isolation and Leakage Current



ARTESYN

### AEE20W-M Medical Series

20 W 2BY1 Medical DC-DC Converter



SL POWER

### ME20 Series

20 W Single Output External Power Adapter Medical Grade

## Why AE as preferred power partner

- Proven and highly reliable medical PSU minimize development time and reduce risk
- Broadest medical power portfolio
- Unsurpassed quality with best-in-class QMS
- Dedicated medical engineering and customer support teams
- Standard off-the-shelf products or full custom solutions based on application requirements

