

ABOUT

The **ACIST CVi** contrast delivery system is designed to deliver radiopaque contrast media during interventional cardiology, radiology, and vascular procedures. The system utilizes a motor-driven injector and handheld control device, allowing clinicians to precisely manage contrast delivery while maintaining focus on the procedure. Variable flow rate technology enables real-time adjustment of contrast injection based on procedural requirements and patient needs. The system is compatible with a variety of angiographic procedures and can be integrated with select imaging systems to support streamlined workflow within the cath lab. Designed to improve injection control and consistency, the ACIST CVi provides a flexible solution for contrast delivery during minimally invasive vascular interventions.

FEATURES

- **Variable Flow Rate Control:** Allows clinicians to adjust contrast delivery in real time using the AngioTouch hand controller.
- **Motor-Driven Injection System:** Provides controlled and consistent contrast media delivery.
- **Handheld Operator Control:** Enables users to manage injection flow while maintaining attention on fluoroscopic and procedural imaging.
- **Imaging System Integration:** Compatible with select X-ray and angiography systems for synchronized workflow when properly configured.
- **Multi-Specialty Applications:** Suitable for interventional cardiology, vascular, and radiology procedures utilizing endovascular techniques.



SPECIFICATIONS



DIMENSIONS

Pedestal Cart Footprint: 21 x 25 in (53.3 x 63.5 cm)

Pedestal Cart Height: 36 in (91.4 cm)

Total System Weight: 87.7 lb (39.8 kg)

INJECTION PERFORMANCE

Contrast Syringe Capacity: 100 ml

Contrast Flow Rate: 0.8–40 ml/sec (0.1 ml/sec increments)

Saline Flow Rate: 1.6 ml/sec

Injection Volume: 0.8–99.9 ml (0.1 ml increments)

Pressure Range: 200–1200 psi

Fill Rate: 3 ml/sec (manual or automatic)

Rise Time: 0–1 sec (0.1 sec increments)

INJECTION PROGRAMS

Cardiac Modes: LCA, RCA, LV/Ao, User Defined

Peripheral Vascular Modes: Pigtail, Selective, Microcatheter, User Defined

Injection Delay: 0–99.9 sec

X-ray Delay: 0–99.9 sec

KVO Range: 0.1–10 ml/min (20-minute timeout)

MONITORING & SAFETY

Air Column Detection

Isolation Manifold Monitoring

Contrast Source Empty Detection

Automatic Contrast Syringe Refill Monitoring

Contrast Source Isolation Monitoring

Compatible with most X-ray imaging systems for synchronization

USER INTERFACE

10.5 in (27 cm) Color Touchscreen

Flexible mounting options: Table Mount, Adjustable Arm, Stationary Stem, or Pedestal Cart

ELECTRICAL REQUIREMENTS

100–120 VAC, 50–60 Hz, 10 A maximum

200–240 VAC, 50–60 Hz, 5 A maximum