



Trust experience. Rely on innovation.

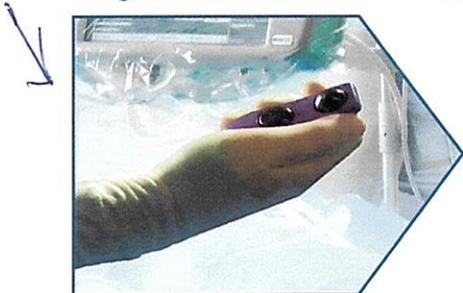
# Patient Kits

## Enhancing Ease and Simplicity

ACIST Patient Kits are designed to streamline setup, reduce contrast usage and provide enhanced control and consistency in contrast delivery. ACIST patient kits have been used in over 3.7 million procedures worldwide, and in a variety of angiography lab settings: university, teaching hospitals and community clinical centers.

Consider how ACIST Contrast Delivery System's demonstrated effectiveness and cost savings may benefit your facility today. (See [www.acist.com](http://www.acist.com) for clinical references.)

### AngioTouch® Hand Controller—*for responsive, variable-rate contrast delivery*



- Allows delivery of contrast over the range of flow rates and catheter sizes
- Patented, ergonomic design with pressure sensitive contrast delivery button
- Designed to allow enhanced maneuverability of catheter
- Facilitates precision, control and consistency in delivery of contrast and image quality

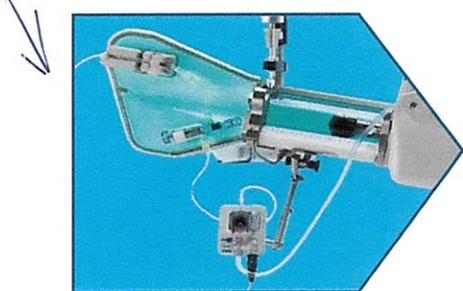
### Multi-Use Syringe—*conserves contrast*



- Use for up to 5 procedures\*
- Easy, one-time setup
- 100 ml volume
- System automatically purges and refills contrast in syringe
- Transparent cylinder allows clear view of contrast and syringe during procedure

\*Within a 12-hour period.

### Automated Manifold Kits—*for quick and easy setup*



- Provides in-line, integrated transducer
- Isolation manifold with saline and contrast ports
- Backlight and compact tubing configuration enhances viewability by clinician





# ACIST®

## PATIENT KITS

ORDER ONE OF EACH

### A-2000 Syringe Kit



#### Description

A-2000 Multi-Use Syringe Kit\*  
*\*One-time setup before procedures, to be used in up to 5 cases.*

#### SKU #

014612

#### Qty/Case

10 Sterile Pouches

#### Pouch Contents

- 100 ml Contrast Syringe
- Contrast Spike & Tubing
- Clamp

### AngioTouch® Kit, Premium



#### Description

AT-P54 (Premium 137 cm) AngioTouch® Hand Controller  
*Single Use Only*  
*For sterile field setup during the case*

#### SKU #

014644

#### Qty/Case

10 Sterile Pouches

#### Pouch Contents

- AngioTouch® Ergonomic Hand Controller
- 3-Way High Pressure Stopcock with rotating end
- 137 cm Premium High Pressure (Contrast) Tubing

### Automated Manifold Kit with Transducer Cartridge



#### Description

BT-2000 Automated Manifold Kit  
*Single Use Only*  
*For pre-case setup outside the sterile field*

#### SKU #

014613

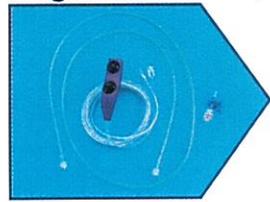
#### Qty/Case

10 Sterile Pouches

#### Pouch Contents

- Isolation Manifold with Saline and Contrast Ports
- Pressure Transducer Cartridge
- Saline Tubing
- Saline Spike
- Hand Syringe

### AngioTouch® Kit, Standard



#### Description

AT-S54 (Standard 137 cm) AngioTouch® Hand Controller  
*Single Use Only*

#### SKU #

014212

#### Qty/Case

10 Sterile Pouches

#### Pouch Contents

- AngioTouch Hand Controller
- Stopcock
- 137 cm Standard High Pressure (Contrast) Tubing

AT-S65 (Standard 165 cm) AngioTouch® Hand Controller  
*Single Use Only*

#### SKU #

014647

#### Qty/Case

10 Sterile Pouches

- AngioTouch Hand Controller
- Stopcock
- 165 cm Standard High Pressure (Contrast) Tubing

### Automated Manifold Kit



#### Description

B-2000 Automated Manifold Kit  
*Single Use Only*  
*For pre-case setup outside the sterile field*

#### SKU #

014621

#### Qty/Case

10 Sterile Pouches

#### Pouch Contents

- Injection Manifold
- Saline Tubing
- Saline Spike
- Hand Syringe

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Call your local ACIST representative for ordering information.

For assistance, call: +31.43.328.1318



Handwritten initials 'AA' in the bottom right corner.

## Product and Technical Specifications

The ACIST CVI® Contrast Delivery System is intended to be used for controlled infusion of radiopaque contrast media for angiographic procedures.

<b>CVI system</b>	
<b>Flow Rates</b>	User-Responsive, pre-set Variable and Fixed rates from 0.8 to 40 ml/sec, in 0.10 ml/sec increments
<b>Contrast:</b>	Fixed rate: 1.6 ml/sec
<b>Saline:</b>	User-Responsive, pre-set limits with variable range of 0.8 to 99.9 ml, in 0.1 ml/sec increments
<b>Volume</b>	User defined from 200 to 1200 psi
<b>Pressure Limits</b>	Manual or automatic refill of 3 ml/sec
<b>Fill Rate</b>	User-defined 0 to 1 sec, in 0.1 sec increments
<b>Rise Time</b>	Cardiac: LCA, RCA, LVAo, and User Defined
<b>Program Routine Injection Modes</b>	Peripheral Vascular: Pigtail, Selective, Microcatheter, and User Defined
<b>Monitoring Sensors</b>	Air Column Detect* Isolation manifold Contrast Source Empty Contrast Reservoir Refill and Contrast Source Isolation
<b>Imaging Interface Synchronization**</b>	Able to synchronize with most brands of X-ray imaging equipment
<b>Injection Delay** or X-ray Delay**</b>	0-99.9 sec
<b>X/0 Feature***</b>	Range of 0.1 to 10 ml/min with 20 min timeout; maximum of 200 ml of saline dispensed
<b>Control Panel</b>	27 cm (10.5 inches) Color Touch Screen
<b>Flexible Mounting Configurations</b>	Table Mount with adjustable arm or stationary stem
<b>Pedestal Cart Dimensions</b>	Wheelbase footprint 53.3 x 63.5 cm (21 x 25 inches), height 91.4 cm (36 inches)
<b>Contrast Reservoir</b>	100 ml
<b>Consumable Kit Configurations</b>	Contrast Reservoir with contrast tubing spike and clamp (for use in up to 5 patient cases)
<b>AngioTouch® Hand Controller &amp; Tubing:</b>	AngioTouch® hand controller, injection line tubing, and 3-way stopcock
<b>Automated Isolation Manifold:</b>	Integrated system with automated isolation-manifold, low-pressure tubing and saline spike, and supplied pressure transducer cartridge; kits with no transducer also available
<b>Component Weights</b>	Power supply 5.5 kg (12 lb), control panel and stem 3.2 kg (7 lb), pedestal cart 10 kg (22 lb), injector head 20.4 kg (45 lb), adjustable arm 0.66 kg (1.45 lb)
<b>Power Requirements</b>	Factory selectable: 100 to 120 VAC, 50-60 Hz, 10 A maximum or 200 to 240 VAC, 50-60 Hz, 5 A maximum

\* The air column detection sensor is designed to suit the user in the detection of air columns in the injection line, but it is not designed to replace the vigilance and care required of the operator in visually inspecting for air and clots in air.

\*\* Available in synchronized peripheral mode.

\*\*\* Available in peripheral mode.

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[www.acist.com](http://www.acist.com)

**ACIST®**  
the power to

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Bracco Group

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the power to

## The ACIST | CVI® Contrast Delivery System Simplifying Contrast Injection



**ACIST | CVI®**  
Contrast Delivery System

## Simplifying Procedures

The ACIST CVI® Contrast Delivery System – the sophisticated system that simplifies contrast injection for ALL your interventional and diagnostic cardiology procedures, from small injections in the coronary arteries, to large volumes in the ventricles and peripheral vasculature.

## Simplifying Control

The ACIST CVI system's innovative design helps make it simple to operate, allowing you to generate quality images and to focus on what's important – your patient and the procedure.

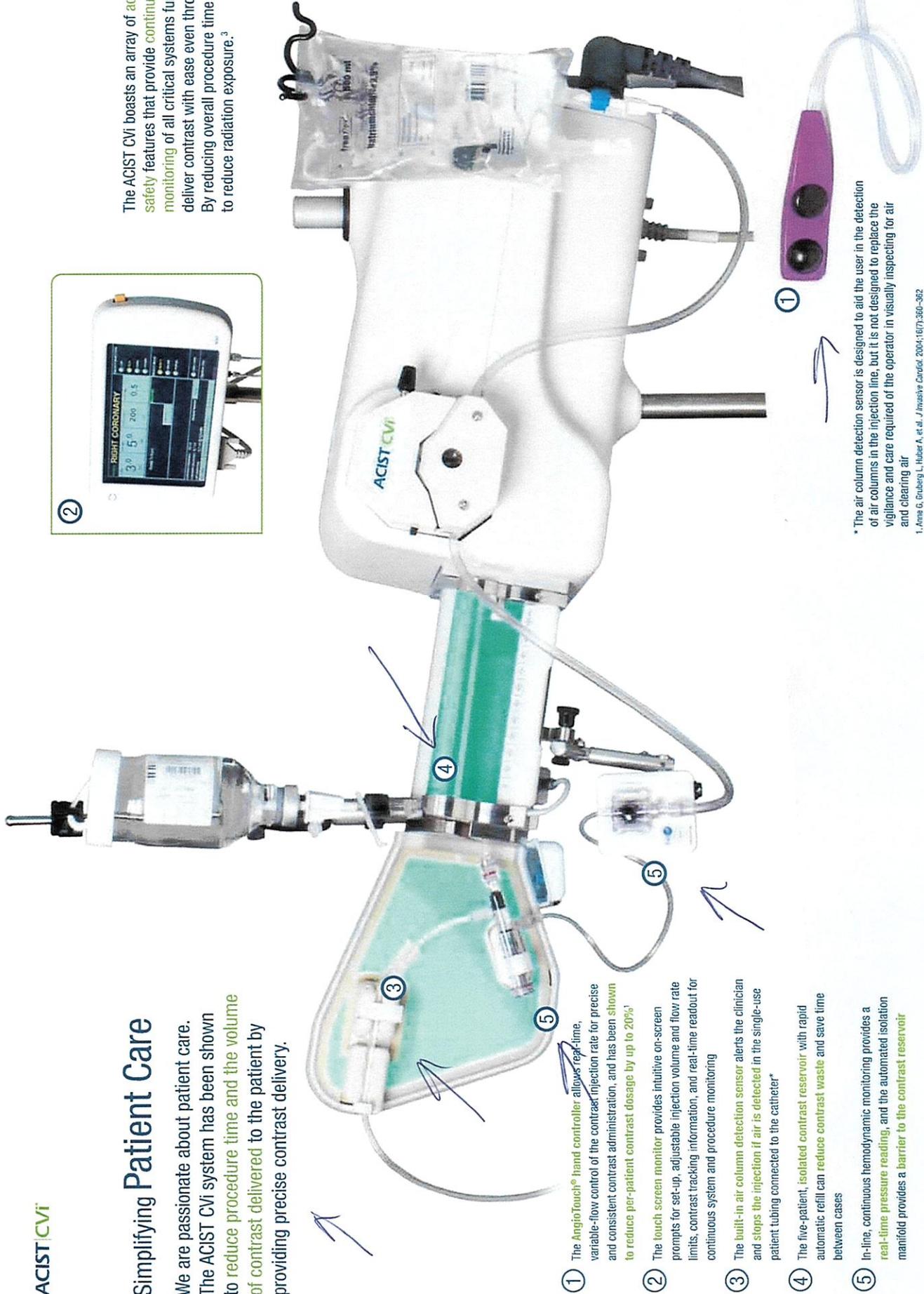


## Simplifying Patient Care

We are passionate about patient care. The ACIST CVI system has been shown to reduce procedure time and the volume of contrast delivered to the patient by providing precise contrast delivery.



The ACIST CVI boasts an array of advanced, built-in safety features that provide continuous and automated monitoring of all critical systems functions, and can deliver contrast with ease even through 4 Fr catheters.<sup>2</sup> By reducing overall procedure time the ACIST CVI helps to reduce radiation exposure.<sup>3</sup>



- ① The **AngioTouch®** hand controller allows real-time, variable-flow control of the contrast injection rate for precise and consistent contrast administration, and has been shown to reduce per-patient contrast dosage by up to 20%<sup>1</sup>
- ② The touch screen monitor provides intuitive on-screen prompts for set-up, adjustable injection volume and flow rate limits, contrast tracking information, and real-time readout for continuous system and procedure monitoring
- ③ The built-in air column detection sensor alerts the clinician and stops the injection if air is detected in the single-use patient tubing connected to the catheter\*
- ④ The five-patient, isolated contrast reservoir with rapid automatic refill can reduce contrast waste and save time between cases
- ⑤ In-line, continuous hemodynamic monitoring provides a real-time pressure reading, and the automated isolation manifold provides a barrier to the contrast reservoir

\* The air column detection sensor is designed to aid the user in the detection of air columns in the injection line, but it is not designed to replace the vigilance and care required of the operator in visually inspecting for air and clearing air

1. Anne G. Gruberg L. Huber A, et al. *J Invasive Cardiol.* 2004;16(7):360-362  
 2. Mbowiaz S, Kern MJ, Blair SP, et al. *Catheter Cardiovasc Interv.* 2001;52(3):393-399  
 3. Brosh D, Assali A, Vaknin-Assef H, et al. *Int. J. Cardiovasc Interv.* 2005;7(1):183-187

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## Contrast Injector Consumables Kits

Designed to streamline setup, reduce contrast usage and provide enhanced control and consistency in your contrast delivery.



### Isolated Contrast Reservoir

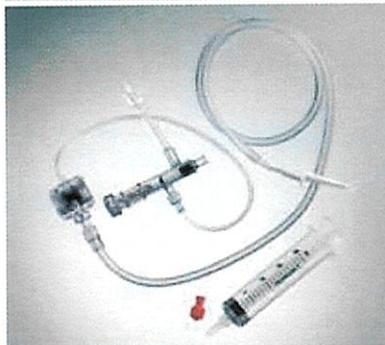
Indicated for use in up to 5 patient cases. Kit includes: 100ml contrast reservoir and tubing with contrast spike and clamp. 10 kits per case.

**A2000, SKU# 014612**

For use with contrast media with viscosity range between 4.6 and 26.6cP

**A2000V, SKU# 014113**

For use with contrast media with viscosity range between 1 and 26.6cP



### Isolation Manifold

Indicated for single patient use. Kit includes: manifold with saline and contrast ports, saline tubing with spike and hand syringe. 10 kits per case.

**BT-2000, SKU# 014613**

With pressure transducer cartridge



### AngioTouch<sup>®</sup> Hand Controller

Indicated for single patient use. Kit includes: AngioTouch hand controller, 3-way high-pressure stopcock with rotating end and premium high-pressure tubing. Kit setup in sterile field. 10 kits per case.

**AT-P54, SKU# 014644**

With 54" premium, high-pressure contrast tubing

**AT-P65, SKU# 014645**

With 65" premium, high-pressure contrast tubing

The ACIST | CVi<sup>®</sup> Contrast Delivery System  
 Simplifying Contrast Injection



**ACIST CVi Accessories**

SKU#	Product Description
014668	ACIST Mobile Cart
0146CC	Adjustable Arm Kit for Control Panel
0146AI	Medex Transducer Back Plate
014607	Control Panel Table Clamp
0146CA	Easy-Adjust Contrast Hanger
014617	Power Supply Floor Mount
015343	Utility Tray

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