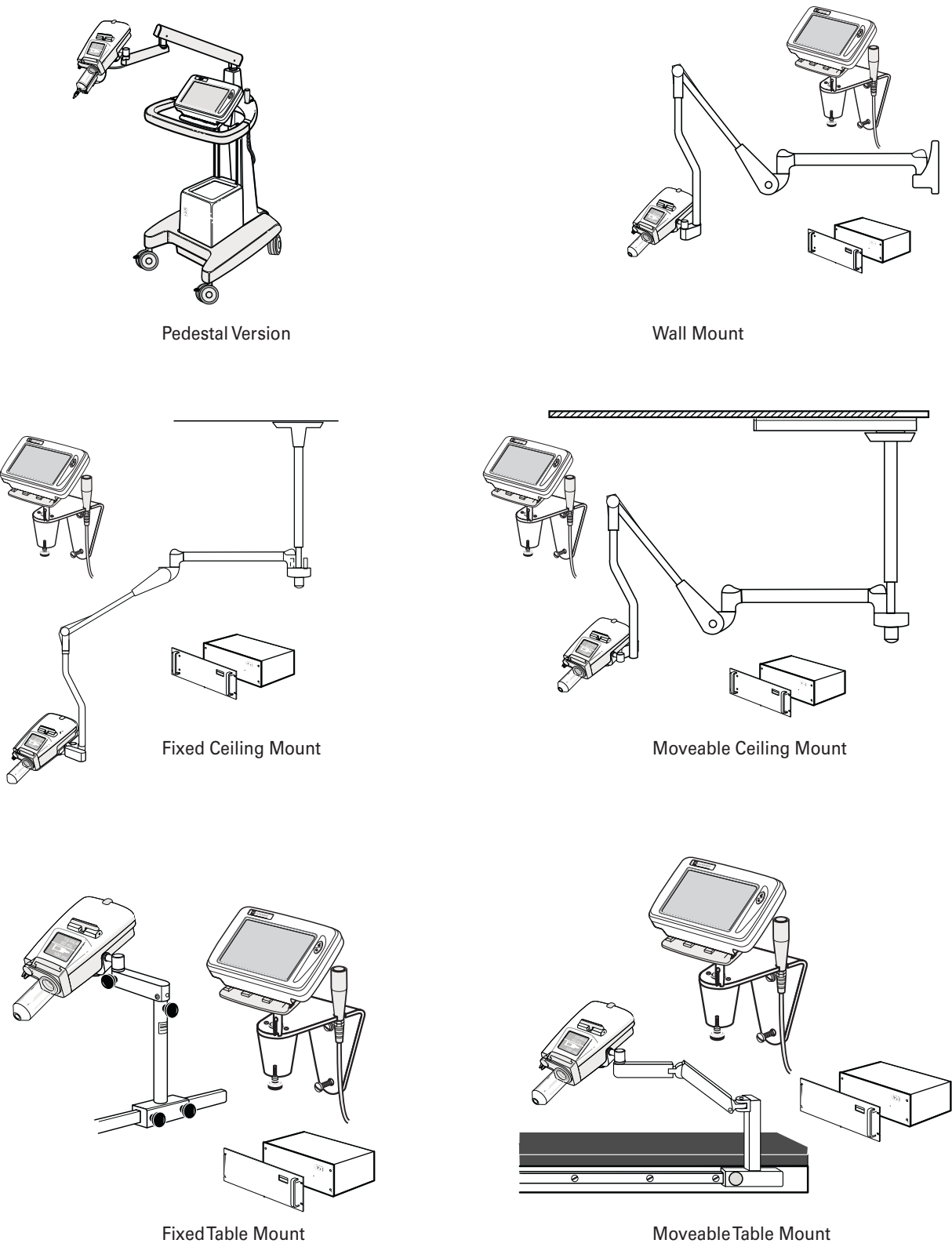


True Multimodality

Cardiology, Angiography, CT Contrast Delivery

To allow maximum patient access, the Angiomat™ ILLUMENA™ features multiple mounting configurations:



Technical Specifications

Flow Rate	Injection Delay
Angio-Cardiac and Peripheral Modes 0.1 to 40.0 ml/sec CT Mode 0.1 to 10.0 ml/ sec	0 to 300 sec
Pressure Limit	X-ray Delay
Angio-Cardiac and Peripheral Modes 75 to 1200 psi CT Mode 75 to 300 psi	0 to 300 sec
Syringe Sizes	Scan Delay (CT-Mode)
150 ml/200 ml empty syringes 125, 100, 75, 50 ml prefilled syringes	0 to 300 sec
Fill Rate	Rate Rise
Forward or Reverse: 0.2-25 ml/sec	0 to 10 seconds
Syringe Heater (optional)	Phase Delay
37° C nominal. Minimizes the loss of heat from preheated contrast.	0 to 300 seconds.
	Number of Phases
	1, 2 or 3-4 (available in all modes except Auto-Repeat and ECG)
	Memory Capacity
	Angiographic and CT modes each store up to 45 protocols



Angiomat™ ILLUMENA™

High Pressure Injector for cardiology, angiography and CT contrast delivery



Tyco Healthcare Austria GmbH
Campus 21, Europaring F09402
A-2345 BRUNN/GEORG
Tel: +43 (0) 2236 37 88 39
Fax: +43 (0) 2236 37 88 40

Tyco Healthcare Belgium N.V.-S.A.
Generaal de Witteaan 9/5
B-2800 MECHELEN
Tel: +32 (0) 15 29 44 50
Fax: +32 (0) 15 29 44 55

Tyco Healthcare Deutschland GmbH
Gewerbepark 1
D-93333 NEUSTADT/DONAU
Tel: +49 (0) 94 45 95 90
Fax: +49 (0) 94 45 95 91 55

Tyco Healthcare SpA Eastern Europe Department
Via Rivoltana, 2/d
I-20090 SEGRATE (MI)
Tel: +39 (0) 02 703171
Fax: +39 (0) 02 7530125

Mallinckrodt France
50 rue Pierre Curie
F-78377 PLAISIR Cedex
Tel: +33 (0) 1 30 79 80 00
Fax: +33 (0) 1 30 79 80 30

Tyco Healthcare Italia SpA
Via Rivoltana, 2/d
I-20090 SEGRATE (MI)
Tel: +39 (0) 02 703171
Fax: +39 (0) 02 7530125

Tyco Healthcare Nederland BV
Hogeveeg 105
NL-5301 LL ZALTBOMMEL
Tel: +31 (0) 418 576 600
Fax: +31 (0) 418 576 793

Tyco Healthcare Norden AB
Hermvångsgatan 9, Solna Strand
S-171 74 Solna
Tel: +46 (0) 8585 60 500
Fax: +46 (0) 8585 60 541

Tyco Healthcare Portugal
Produtos de Saúde Ida.
Est: Outeiro Polima,
Lote 10-11 Piso Abóboda
P-2785-521 S. Domingos de Rana
Tel: +35 (0) 1 21 446 10 00
Fax: +35 (0) 1 21 445 05 88

Tyco Healthcare Spain S.L.
Avda. San Pablo, 28
E-28820 COSLADA, MADRID
Tel: +34 (0) 91 869 68 48
Fax: +34 (0) 91 674 03 24

Tyco Healthcare Switzerland Ltd.
Roosstrasse 53, Postfach
CH-8632 WOLLERAU
Tel: +41 (0) 1 7 865 050

Tyco Healthcare South Africa
Corporate Park North
379 Roan Crescent
Randespark, Halfway House
PO Box 8108,
SA-1685 MIDRAND
Tel: +27 (0) 11 542 9500
Fax: +27 (0) 11 542 9542
Fax: +41 (0) 7 865 010

Tyco Healthcare Turkey
General Ali Rıza Gürkan Caddesi
Merter Is Merkezi, N°: 2, Kat: 6
TR-34169 Merter İSTANBUL
Tel: +90 (0) 212 481 5900
Fax: +90 (0) 212 481 5920

Tyco Healthcare UK Limited
154 Fareham Road
GOSPORT
HAMPSHIRE
UK - PO13 0AS
Tel: +44 (0) 13 29 22 41 59
Fax: +44 (0) 13 29 22 43 24

Tyco Healthcare GmbH EMEA Department
Josef-Dietzgen-Str. 1
D-53773 HENNEF
Tel: +49 (0) 2242 887 138
Fax: +49 (0) 2242 887 302



™ Trademarks of Tyco Healthcare Group LP or its affiliate.
Manufactured by Liebel-Flarsheim Inc.
Liebel-Flarsheim is certified under ISO 9001/EN ISO 13485: 2000 by
TUV Product Service.
© 2006 Tyco Healthcare Group LP. All rights reserved.
G-IM-Illumena/Int

Angiomat™ ILLUMENA™

Contrast Delivery System

Fully Featured For Functional Performance, Proven Clinical Effectiveness and Optimum Cost Efficiency.

The Angiomat™ ILLUMENA™ contrast delivery system offers true multimodality. With just the touch of a button, switch between Cardiac, Angio, and CT modes. This remarkable versatility is a key component to reducing down time in all areas.

The ability to use prefilled contrast syringes improves patient through-put and helps reduce operator costs.

Every detail of the System’s easy operation, patient access, and user-defined functionality is designed for convenience, precision, and excellence. The objective is enhanced patient care. That’s the bright, yet very simple idea behind the Angiomat™ ILLUMENA™ contrast delivery system.



Fill Control Bar



- Allows easy, one finger operation.
- Drives the plunger for syringe filling, air purging or infusion.

Digital Powerhead Display



- The LED display automatically “flips” as the powerhead is rotated – ensuring proper orientation for viewing.
- Indicates programmed protocol and volume remaining in the syringe.

Air Detection Device



- The optional Air Detection Aid and Warning System (ADAWS) serves as an aid in identifying empty syringes and air bolus.

Syringes



- The Angiomat™ ILLUMENA™ is the only angiographic injector that uses transparent syringes and prefilled syringes.
- The transparent syringe provides a crystal clear view of the contrast medium.
- Ultra clear syringe improves air bolus detection for enhanced safety.
- The latex free Angiomat™ ILLUMENA™ syringes reduce potential for latex reactions.

CLINICALLY EFFECTIVE

P/N	ml/cm	Description
900101	150	Syringe (quick connection) with handfil (1200 psi, 84 bar)
900102	150	Multipack (quick connection) with spiral line (300 psi, 21 bar)
900103	150	Syringe (Linden Luer) with handfil (1200 psi, 84 bar)
900104	150	Multipack (Linden Luer) with spiral line (300 psi, 21 bar)
900105	200	Syringe (Linden Luer) with handfil (900 psi, 62 bar)

EASY TO OPERATE

Touchscreen



- The pressure sensitive touch-screen display makes the injection setup direct and easy.
- Simple and reliable, featuring an operator intuitive user interface.
- Optimally clear viewing.

Console Tilt & Rotation



- Console display tilt angle can be easily adjusted.
- The console also rotates 140 degrees to allow viewing from a variety of wide angles.

- Multi-mode selection of cardiac, angio, and CT parameters.
- Protocol manager to store and recall user-defined protocols.
- Injection progress display.
- Multiple language selection.

RELIABLE

EASY HANDLING



Single Phase Protocol



Dual Phase Protocol