

# FI-45

## World's Simplest Automatic X-Ray Film Processor *Simple, Reliable and Affordable*



*The FI-45 is the world's simplest automatic x-ray film processor. Designed with the end-user in mind, the FI-45 is simple to install, operate and maintain. Plug & process is all you have to do!*

*The revolutionary design of the FI-45 reduces energy, water and chemical use, saving the FI-45 owner money while delivering outstanding quality images.*

*The FI-45 is manufactured in Germany in compliance with DIN ISO 9001:2000, IEC, TUV, CE, CSA, and UL quality standards. The FI-45 sets the standard today for simple, reliable and affordable automatic x-ray film processors.*

### Features & Benefits

- Lightweight, tabletop processor
- 100 second processing speed, leading edge to leading edge
- Energy and water saving design limits run time to when film is actually being processed
- Anti-oxidation and anti-crystallization programs result in chemical savings and outstanding image quality
- All components are easily accessible for service
- Simple microprocessor control about the size of a credit card
- Ingenious shallow tank design reduces chemical oxidation and results in cost and environmental savings
- Top film feed and top return for convenience
- New film transport rack design minimizes cleaning through reduced part count and ensures a smooth film path
- Quality polyurethane & rubber rollers for outstanding image quality and no artifacts
- 2 year warranty
- Meets ISO, IEC, CE, TUV, CSA & UL quality standards
- Made in Germany

### Standard Equipment

- Comes complete and ready with all components for tabletop processing
- Levelling legs for uneven surfaces
- Spare parts kit
- 6.6 gallon (25 liter) replenishment tanks with filtering replenishment straws
- Floating lid for developer tank
- Water supply hose
- Tubing and hardware
- Installation, Operating and Parts Manual

### Options

- 220V, 50/60Hz service for international
- Basic or Deluxe stands
- 10 gallon (38 liter) replenishment tanks
- No Plumbing Kit for closed loop operation
- Silver recovery bucket
- Chemical mixer



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# FI-45

## Simple X-Ray Film Processor

### Minimum Darkroom Requirements

#### Electrical

- 115V, 50/60Hz, 15A Service (Operating Range 100-130V)
- 230V, 50/60Hz, 10A Service (Operating Range 200-250V)
- Energy use of 1.2 kWh during processing and 0.12 kWh in standby mode.
- Dedicated line strongly recommended.
- Use of a multi-outlet adapter or extension cord will void the warranty.

#### Water

- Cold water only with recommended temperature between 41-86°F (5-30°C).
- Water connection of 3/4" with 29 - 145 psi (2 - 10 bar).
- Minimum drain diameter of 2 inches (5 cm) at a maximum of 12 inches (30.5 cm) above the floor.
- Water consumption of 0.26 gal/min (1.0 liter/min) during processing.
- Water consumption of 0.0 gal/min (0.0 l/min) in standby mode.
- In-line water filter strongly recommended when water supply contains contaminants or particulate materials.
- Do not use copper drain pipe or fittings. Use cast iron or PVC.

#### Space

- Actual dimensions 34.7" (88 cm) long by 26.4" (66 cm) wide by 17" (42 cm) tall.
- Please allow adequate clearance on sides, back and top of processor for ease of use, maintenance and service.



FI-45's simple film transport rack design is easy to clean and maintain

#### Your Authorized FI Sales, LLC Dealer



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### PRODUCT SPECIFICATIONS

#### Film Size

4" x 4" (10 cm x 10 cm) min. to 17" (43 cm) X any length max. Will accept roll film

#### Processing Time

100 seconds (factory set), leading edge to leading edge

#### Developer Temp

89.6 °F (32°C), adjustable

#### Replenishment

Rates adjustable either 460 ml per 10 sq. ft. (ml/m<sup>2</sup>) or 600 ml per 10 sq. ft. (ml/m<sup>2</sup>) Anti-crystallization replenishment is selectable off or on at 20 minute intervals

#### Net Weight (Empty/Filled)

58.4/75 lbs (26.5/34 kg)

#### Tank Capacity (D/F/W)

0.6/0.6/0.55 gallons (2.3/2.3/2.1 liters) in each section: developer, fixer, water

#### Film Drying

Warm circulated air, factory set to 140°F (60°C)

#### Chemical Storage

6.6 gallon (25 L) tanks  
10 gallon (38 L) tanks optional

#### Film & Chemistry

Use standard medical x-ray film and chemistry formulated for automatic medical x-ray film processors.

#### Film Processing Capacity Measured at 100 Second Processing Speed

10" X 12" (24 X 30 cm), 74 films per hour

14" X 17" (35 X 43 cm), 45 films per hour

FI Sales is pleased to offer other x-ray film processors should the FI-45 not meet your needs.

- FI-75 90 second model for low to moderate film volume processing
- FI-VS 90 second variable speed model
- FI-245 Deep tank floor model for high capacity film processing