

FI-245

Deep Tank, High Capacity X-Ray Film Processor

Quality, Features and Volume



The FI-245 is a high capacity medical processor, with a variable speed control that allows precise settings from 60 seconds to 5 minutes. The FI-245 is built for handling a high volume of films per day while maintaining consistently high image quality. The FI-245 provides a state-of-the-art digital display for monitoring and control of developer temperature, replenishment, process time, diagnostic messages, and film volume.

The FI-245 is manufactured in Germany in compliance with DIN ISO 9001:2000, IEC, TUV, CE, CSA, and UL quality standards. The FI-245 sets the standard today for high capacity medical x-ray film processors.

Features & Benefits

- Floor model design with integral stand
- Variable speed 60 seconds to 5 minutes
- Energy and water saving design limits run time to when film is actually being processed
- Quad infrared film feed sensors results in intelligent and economic replenishment depending on the film's surface area, with individually adjustable rates.
- Anti-oxidation and anti-crystallization programs result in a processor always ready to provide outstanding images
- Microprocessor controlled with 5 program memory
- Digital display and control for developer temperature, replenishment, process time, diagnostics, and film counter
- Top film feed and top return for convenience
- 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 ready for volume processing
- Integral stand built into design
- Installation, Operating and Parts Manual
- Spare parts kit
- 6.6 gallon (25 liter) replenishment tanks with filtering replenishment straws
- Floating lid
- Water supply hose
- Tubing and hardware

Options

- Open or closed frame design
- Thru-the-wall construction
- No Plumbing Kit for closed loop operation
- Silver recovery bucket
- Air cleaner for processor exhaust
- Chemical mixer



FI Sales, LLC[®]

FI-245

High Capacity X-Ray Film Processor

Minimum Darkroom Requirements

Electrical

- 230V, 50/60Hz, 14A Service (Operating Range 208-240V)
- Energy use of 2.5 kWh during processing and 0.23 kWh in standby mode.
- Dedicated line strongly recommended.
- Use of a multi-outlet adapter or extension cord will void the warranty.
- Consult FI Sales if 115V service is required.

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 0.5 gal/min (1.9 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 26.75" (68 cm) wide by 38" (97 cm) deep by 50" (127 cm) tall.
- Please allow adequate clearance on sides, back and top of processor for ease of use, maintenance and service.



FI-245 shown as an open frame version installed for thru-the-wall use



Authorized Distributor:



MEDICAL EQUIPMENT SPECIALISTS USA
2555 N. W. 102 Ave. # 104, Miami, FL 33172 - USA
Tel: 786-401-7719; Fax: 305-501-4786; www.mes-usa.com

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

Adjustable from 60 seconds to 5 minutes

• Developer Temp

Digital display in °C or °F, adjustable from 82 - 104°F (28 - 40°C).

• Replenishment

Rates adjustable from 150-3000 ml per 10 sq. ft. (ml/m²)
Anti-crystallization replenishment is selectable off or on at 3 - 99 minute intervals

• Net Weight (Empty/Filled)

Open Base 170/254 lbs (77/115 kg)
Closed Base 200/284 lbs (91/129 kg)

• Tank Capacity (D/F/W)

3.25/3.0/3.5 gallons
(12.5/12.0/13.0 liters) in each section: developer, fixer, water

• Film Drying

Warm circulated air, thermostat regulated and adjustable to 158°F (70°C) maximum

• Chemical Storage

6.6 gallon (25 L) tanks

• Film & Chemistry

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

Film Processing Capacity Measured at 60 Second Processing Speed

10" X 12" (24 X 30 cm), 348 films per hour

14" X 17" (35 X 43 cm), 245 films per hour

FI Sales is pleased to offer other x-ray film processors should the FI-245 not meet your needs.

- FI-45 World's most economical automatic processor with 100 second processing
- FI-75 90 second model for low to moderate film volume
- FI-VS 90 second variable speed model