
FI-245-NDT

Deep Tank, Industrial X-Ray Film Processor *Quality, Features and Volume*



The **FI-245-NDT** is a deep tank industrial x-ray film processor, with a variable speed control that allows precise settings from 2 to 10 minutes.

The **FI-245-NDT** is built for handling a high volume of films per day while maintaining consistently high image quality. The **FI-245-NDT** 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-NDT** is manufactured in Germany in compliance with DIN ISO 9001:2000, IEC, TUV, CE, CSA, and UL quality standards. The **FI-245-NDT** sets the standard today for deep tank, industrial x-ray film processors.

Features & Benefits

- Floor model design with integral stand
- Variable speed 2 to 10 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
- 3 spare NDT rollers (top entry roller on the fixer rack should be changed every 6 months maximum)
- 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
- Silver recovery bucket
- Air cleaner for processor exhaust



FI Sales, LLC[®]

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FI-245-NDT

Industrial 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-NDT shown as an open frame version installed for thru-the-wall use

Film Processing Capacity Measured Using 24 x 30cm Films

174 films per hour at 2 minute speed
70 films per hour at 5 minute speed
44 films per hour at 8 minute speed
35 films per hour at 10 minute speed

Developer Immersion Time

28 seconds at 2 minute speed
71 seconds at 5 minute speed
114 seconds at 8 minute speed
142 seconds at 10 minute speed

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 2 to 10 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

Dimensions

97 x 68 x 127 cm

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 industrial x-ray film and chemistry formulated for automatic industrial x-ray film processors.

Your Authorized FI Sales, LLC Dealer



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

- FI-VS-NDT Tabletop 90 second to 10 minute variable speed industrial model



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