

MiniLabmaster® Plus

MODEL ML-200NP

General Specifications

Film Type:	Black & White	Water & Drain Requirements:	2 gpm @ 15 psi Water-saving solenoid valve provided
Process:	Negative	Dryer:	Full impingement heated and filtered air blown directly onto the emulsion for energy-saving efficient drying
Film Sizes:	16mm thru 105mm	Take-Up:	Standard 1200 ft. reel
Operation:	Daylight, using a universal magazine (Capacity: 1200 to 2000 ft., depending on film thickness)	Dimensions:	Width: 17" Length: 41" Height: 47"
Output:	Variable speed: 0-20 fpm	Replenishment:	Input fittings provided for simple connection to the automatic chemical mix and replenishment system
Construction:	Stainless steel		
Power Requirement:	115 V., 60 Hz., 20 A or 240 V., 50 Hz., 10 A		

Detailed Specifications

Series 200 Negative				
Process	Conventional negative	Process Cycle	Tank Sequence	Capacity Feet/Gal.
Film Output 60 Hz	Variable 0-20 fpm		Developer	8/3
Film Output 50 Hz	Variable 0-20 fpm		Rinse	4/1.5
Recirculation and Filtration	Developer and Fixer		Fix	4/1.5
Temperature Control	Room temperature up to 100° F (± 0.5° F)		Wash	12/4.5
			Dryer	11/-

Standard Equipment

Universal Load Magazine
 1200 ft. Load and Take-up Reels
 Rethreader
 Operations & Maintenance Manuals
 and Illustrated Parts List
 Tape and Dispenser
 Hose Kit
 Auto Mix and Replenishment System
 Auto Speed and Temperature Controls

Optional Accessories

Water Control Panel
 Spare Parts Kits
 Daylight Loader and Adaptors
 Silver Recovery Unit

Specifications subject to change without notice

MINILABMASTER® PLUS PRE-INSTALLATION INSTRUCTIONS

PROCESSOR LOCATION:

The Houston Fearless MiniLabmaster Plus processor does not require special or elaborate installation space. An ordinary room can be used if it has access to the proper utilities. Since the processor is on casters, it may be placed against a wall or in any convenient location. However, adequate space should be allowed for operation and maintenance. For assistance in planning your location, contact your dealer or HF Technical Service Division.

UTILITY REQUIREMENTS:

ELECTRICAL –

The processor comes equipped with an 8 foot (244 cm) cord. A suitable outlet should be provided on the wall convenient to the processor. The specific power requirements are:

115 volts, single phase, 60 Hz, 20 amps, equipped with a 20 amp 2-pole plus ground plug. Equipped with NEMA #5-20P plug for use with NEMA #5-20R receptacle (customer's responsibility).

NOTE: 240 V, 50 Hz. Model including Power Adaptor.

WATER (incoming PSI not to exceed 15 PSI) –

The water supply for the wash tanks is provided with a standard garden hose screw-type female fitting on the back of the processor as shown in the drawing. Water temperatures should be regulated to approximately the temperature of the process to be used. A thermostatically controlled water mixing valve to combine hot and cold water and deliver it at the required temperature is available as an accessory and is required. If the water supply contains excessive rust, dirt or other suspended matter, filtration may be necessary. Suitable filters and supplies can be ordered also. The water blender and filters should be mounted on the wall near the processor. A hose kit is provided for connection to the processor and to the water line. The fitting on the end of the incoming hose is a standard garden hose screw-type female fitting.

DRAIN –

The processor drain is from a drain trough which extends along the back side of the processor and collects the overflow and drainage for all the tanks. A piece of hose (5 ft.) (152 cm) is provided to connect the drain fitting (1-1/4 inch PVC pipe) to the drain in the room. If the distance to the drain is more than six feet, install the processor for a uniform slope in the drain line of one quarter inch per foot. Individual solution overflow can be separately collected for recovery or reconstitution if desired.

INSTALLATION PREPARATIONS:

You should have completed the following preparations prior to installation:

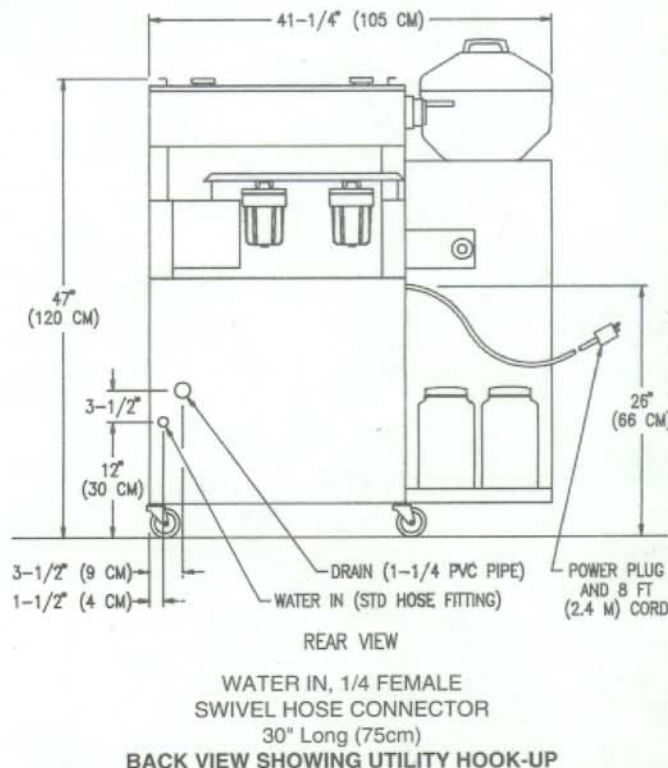
- A. Be sure that the electrical service, water supply, and drains are ready for processor hook-up
- B. Have necessary operating tools and supplies on hand:
 1. Calibrated thermometer
 2. Scissors
 3. Processing chemicals, sensitometric strips, and test film.

INSTALLATION OVERVIEW:

Your authorized representative will help with the physical installation of the processor or call the Houston Fearless 76 Technical Services Division for assistance.

STEPS REQUIRED FOR PROCESSOR INSTALLATION

- A. Remove processor and all accessories from carton.
(Inspect for shipping damage. If damage is noticed notify carrier immediately and file a claim with them.)
- B. Connect drain hose.
- C. Connect water supply.
- D. Install all basic optional accessories.
- E. Inspect processor to ensure proper operating condition.
- F. Fill processor with chemicals and check for leaks.
- G. Plug power cord into receptacle (make sure power switch is in OFF position).
- H. Instruct personnel in operation.
- I. Calibrate for final production of good imagery.
- J. Review operating instructions with personnel.



Houston Fearless 76, Inc.