

■ PELCO® Nitrogen-Burst EM Photographic Developing System, Model 2



takes EM film sizes; can use PELCO® Film Racks

The Model 2 EM Photo Processor is housed in a floor-standing unit and contains a nitrogen-burst system, quick-dump wash tank, three chemical tanks with covers, gas-burst timer, temperature valves, vacuum breakers, thermometer and thermostatic regulator.

High grade T316LC stainless steel jacket and tanks are heliarc welded and passivated.

The master tank in which the developing tanks are situated has its own temperature valve and vacuum breaker, as does the quick-dump wash tank. All one gallon tanks are fitted with gas distributor plenums and stainless steel protective screen covers on which the racks rest. Stainless base has floor leveling pads.

Outside Dimensions:

- Width: 38" (97cm)
- Depth: 24" (61cm)
- Height: 52" (132cm)
- Working Height: 36" (91cm)

Plumbing is concealed in a wide backsplash return except for the bottom drains.

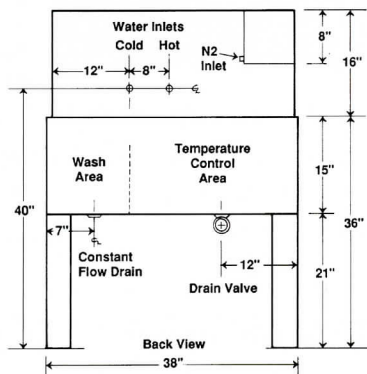
Dimensions of Developing and Fixing Tanks:

- Length: 9-1/2" (24.1cm)
- Width: 5-1/2" (14cm)
- Height: 8" (20.3cm)
- Dimensions of Wash Tank: 10" H x 9-1/2" W x 9" D (25.4 x 24.1 x 22.9cm)
- Shipping Weight: Approx. 240 lbs (109kg)
- Crated Dimensions: Approx 34" D x 48" W x 58" H (87 x 122 x 148cm)

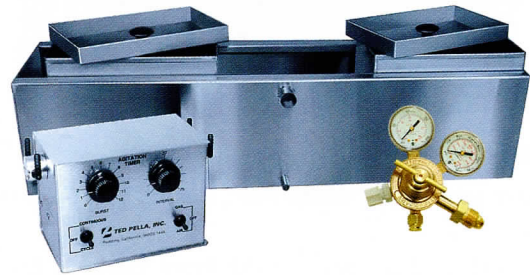
26400-2 PELCO® Model 2 Nitrogen-Burst EM Photo Developing System, 115VAC, 60Hzeach

Stainless Steel Floating Lids are Optional:

2619 Floating Lid for 1-gallon tanks, Stainless Steel . .each



■ PELCO® Nitrogen-Burst EM Photographic Developing System, Model 1



the economical nitrogen-burst system suitable for 3-1/4 x 4" film

Nitrogen-Burst System, Model 1, incorporates developing tanks with floating lids in a long water jacket, with other accessories required for nitrogen-burst operation. PELCO® Lucite Film and Plate Racks will fit into the tanks, increasing load capacity. Standard processing hangers can be used. Photographic grade T316 stainless steel is used for the water jacket, tanks, lids and covers. Heliarc welds are passivated and fluorescent dye leak tested. Two 1-gallon developing tanks and floating lids, along with the water jacket, are included in the basic set. The center (free space) of the water jacket may be used as the "stop". The nitrogen-burst plenum is included in one of the basic tanks. A gas-burst timer and pressure regulator comprise the remaining parts of "Model 1". **T**

Nitrogen-Burst EM Photographic Developing System, Model 1 Includes:

- 1 - **2601** Water Jacket, stainless steel
- 1 - **2605** Tank, stainless steel, with rails for self-hanging; 1 gallon capacity
- 1 - **26053** Tank, stainless steel, with plenum and rails for self-hanging; 1 gallon capacity
- 1 - **26312** Gas Burst Timer; 115VAC, 60Hz
- 1 - **26320** Pressure Regulator
- 2 - **2619** Floating Lids
- 2600-2** PELCO® Model 1 Nitrogen-Burst Photo Developing Systemeach

Note: Not included in System is:

22706 Lucite Rack for 25 films 3-1/4 x 4"each

Note: System components may also be purchased separately, see following pages.

T = Tech Note on web page

PHOTOGRAPHIC SUPPLIES

Nitrogen Burst Photographic Developing System Components; Plastic Developing Tank

Photographic Water Jacket



(used in Model 1)

Dimensions: Length 30", Width 7-1/2", Height, 8" (76.2 x 19 x 20.3cm)

Water Jacket Flow Ports, Inlet 1/2" (12.7mm), Outlet 1" (25.4mm)

2601 Photographic Water Jacket, Stainless Steeleach

Stainless Steel Developing Tanks

1 gallon (3.8 liters) size

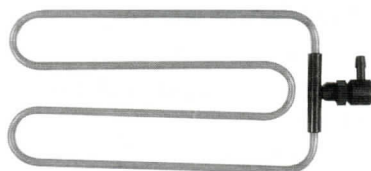
Dimensions with plenum (26053):
9-1/2" (24.1cm) long, 5-1/2" (14cm)
wide, 7" (17.8cm) high

Dimensions without plenum
(2605 and 2606):

9-1/2" (24.1cm) long, 5-1/2" (14cm) wide, 6" (15.2cm) high

2605 Developing Tank with side rails,
1 gal. (3.8 liters)each

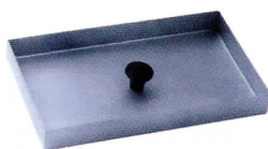
26053 Developing Tank with side rails
and Plenum, 1 gal. (3.8 liters)each



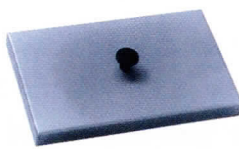
Replacement Plenum

26053-P Replacement Plenum for 1 gal. (3.8 liters) . .each

2606 Developing Tank, no side rails,
1 gal. (3.8 liters)each



Floating Lid for
Developing Tanks



Cover for
Developing Tanks

2619 Floating Lid, Stainless Steel, 1 gallon sizeeach

2612 Cover, Stainless Steel, 1 gallon sizeeach

Gas Burst Agitation Timer



Solid-state model takes minimal space and is reliable and accurate. The length of gas burst as well as the interval is controlled through a heavy duty electric solenoid. Two dials are used to set burst length and interval, from 0.25-60 seconds for the interval and 1-10 seconds for burst

length. Can be either wall or bench mounted. Easy to attach plenum hose.

26312 Gas Burst Agitation Timer,
120VAC, 60Hzeach

26312-220 Gas Burst Agitation Timer,
220VAC, 50/60Hzeach

Pressure Regulator



Nitrogen pressure regulator with tank gauge, working pressure gauge and tank coupling suitable for nitrogen-burst agitation application. Tank gauge shows the gas volume remaining in the supply tank (between 0-4,000 psi) and the working pressure gauge indicates line pressure (between 0-30psi or 0-100psi).

Fits standard nitrogen gas cylinder.

Note: Gas Burst systems require less than 15psi for safety.

26320 Pressure Regulator, gauge indicates line
pressure 0-30psieach

26321 Pressure Regulator, gauge indicates line
pressure 0-100psieach

Plastic Developing Tank

accepts PELCO® Lucite Racks except 4 x 5" size racks



In many instances, EM cassette film loads may be processed using this inexpensive 1 gallon developing tank and the PELCO® 3-1/4" x 4" Lucite Rack. Furnished with floating lid. Inside dimensions: 7-1/2" L x 4" W x 7" H (19.1 x 10.2 x 17.8cm). Rack not included.

Material: High Density Polyethylene.

26815 Plastic Developing Tank and Lid, seteach

■ PELCO® Lucite Film Rack



Fits into nitrogen-burst tanks.
3-1/4" x 4" (8.3 x 10.2cm)
Film rack dimensions:
19.2cm D, 8.5cm W, 20cm H (with
handle) (7-9/16 x 3-3/8 x 7-7/8")

Film rack is slightly narrower than the
specified film width, so the sheet must
be bowed or curved when inserted.
This anchors the sheet, avoiding float-
ing during agitation. One end has an

extended length (20cm) for handling convenience.

22706 Lucite Rack, 25 Films, 3-1/4 x 4"each

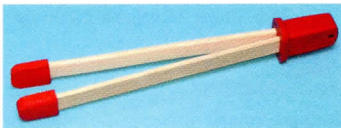
■ Photo Developing Tray



Lightweight, chip-proof, stain
and acid resistant. Pouring lip,
raised ribs.

26552 Photo Tray, for 8 x 10" printseach

■ Bamboo Tongs



Rubber tipped tong: 8-3/4"
(22cm) long.

26805 Bamboo
Tongseach

■ Metal Photographic Thermometer



Centigrade and fahrenheit,
stainless steel
6" (15cm) stem.
0 to 140°F or -18 to 60°C.

26803 Metal Thermometereach

■ Lollipop® Traceable® Thermometer



Waterproof, shockproof, stainless
steel sensor probe, min/max mem-
ory recall, F/C selectable, low bat-
tery indicator. -50 to 300°C, -58 to
572° F. Accuracy ±1° from -19.9 to
199.9°C. Stem length is 10.75".
Comes with stem cover.

26810 Lollipop® Traceable® Thermometereach

M = MSDS on web page

■ KODAK Darkroom Illuminator LED Safelight

*designed for better autoradiography and electron micrography
images*



This LED light with 20
light emitting diodes
will easily install into a
standard light socket
and provide darkroom
light in the film safe
red spectrum. It is self-
contained and ready
for immediate use with

no bulbs or filters to replace. Provides better visibility and pro-
duces better images without the worry of fogging from worn or
damaged filters. Costs less than traditional darkroom lamps,
bulbs and filters and comes with a three year warranty.

26415 KODAK Darkroom Illuminator, North American
socket E26, 115Veach

26416 KODAK Darkroom Illuminator, European socket
E27, 230Veach

26417 KODAK Darkroom Illuminator, UK socket
BA-22, 230Veach

KODAK Photographic Chemicals

■ KODAK Developer D-19



High-contrast developer for use prima-
rily with Kodak special films (such as
EM). High capacity, clean working, fast
acting. **M**

26920 KODAK D-19 Developer, powder, to make
3.79L (1 gal)each

■ KODAK DEKTOL Developer



For producing neutral and cold-tone im-
ages on cold-tone papers such as POLY-
CONTRAST and KODABROMIDE papers.
High capacity, single powder for easy
preparation, uniform development rate,
unusually free from muddiness, sludge,
precipitation and discoloration. **M**

26933 KODAK DEKTOL Developer, powder to make
3.79L (1gal)each

■ KODAK Indicator Stop Bath



General use, films, plates, paper. Nonhardening stop bath. Built-in color indicator to signal exhaustion. Liquid; dilutes 1:64 (16 oz. bottle makes 8 gallons or 30.3 liters). **M**

26956 KODAK Indicator Stop Bath, 473ml (16 oz)each

■ KODAK Fixer



General use fixer for films, plates, papers. Powder to make 3.79 liters (1 gal). **M**

26942 KODAK Fixer, powder to make 3.79L (1 gal)each

M = MSDS on web page

KODAK EM Film

■ KODAK Electron Microscope Film 4489



100 Sheet Box



250 Sheet Multipak Package

Recommended for use in electron microscopy and electron diffraction in the medium electron-energy range (40-100kV). The base material is tear-resistant and dimensionally stable. This polyester base contains no solvents, thus eliminating one possible source of contamination in the column of the EM. All film faces the same direction in its package.

Improved Uniformity: Even development across the entire film plane. You can use nitrogen burst developer agitation; 2 second bursts every 8 seconds. If hand agitation is used, insert film rack quickly into the developer tank and tap rack on the tank bottom sharply for 5 seconds to dislodge any air bells on the film surface. Agitate film in developer tank for 5 seconds every 30 seconds in a side-to-side and back and forth direction in the developer tank.

Increased Speed: Slightly faster than the previous 4489 product. Make an exposure series test to determine an exposure density that is best suited for your work. After processing, evaluate the negatives so you will be able to calibrate the instrument exposure setting to obtain a negative density suited specifically to match your needs.

4489 Features:

- 7 mil (0.007) (0.18mm) ESTAR thick base
- Extremely fine grain
- Blue-sensitive emulsion
- Notched in right-hand side of the top edge of the film sheet, emulsion up
- Emulsion overcoat (0.5 to 1.0µm thick) or hardened gelatin which reduces susceptibility to abrasion
- Clear gelatin layer on back of base to reduce curl

KODAK MULTIPAK 4489 FILM most popular packaging and price, contains 5 packages of 50 sheets

24132 KODAK 4489 EM Film, Multipak, 3-¼ x 4", 250 sheeteach

24130 KODAK 4489 EM Film, 3-¼ x 4", 100 sheet boxeach

■ KODAK Electron Image Film SO-163



100 Sheet Box



250 Sheet Multipak Package

- Twice as fast as 4489
- Broad exposure and development range
- 7 mil (0.007") (0.18mm) ESTAR thick base
- Extremely fine grain
- Blue-sensitive emulsion
- Notched in right-hand side of the top edge of the film sheet, emulsion up
- Emulsion overcoat (0.5 to 1.0µm thick) of hardened gelatin which reduces susceptibility to abrasion
- Clear gelatin layer on back of base to reduce curl

SO-163 will show a tendency to curl, and requires a longer pump-down time (see PELCO® Vacuum Desiccator). When using SO-163 for the first time, recalibrating the microscope exposure device is recommended.

KODAK MULTIPAK SO-163 FILM most popular packaging and price, contains 5 packages of 50 sheets

245-4 KODAK SO-163 EM Film, Multipak, 3-¼ x 4", 250 sht/pkeach

245-3 KODAK SO-163 EM Film, 3-¼ x 4", 100 sheet boxeach

Other size available in bulk:

245-2-1 KODAK SO-163 EM Film, 6.5 x 9cm, case/20 pkg (1,000 sheets total)each