



PATERSON
PHOTOGRAPHIC EQUIPMENT

DARKROOM



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SUPER SYSTEM 4 DEVELOPING TANKS



Product Codes, Single Tank PTP114, Universal, PTP115

The Super System is simple to load, faster to fill and easier to clean than any other tank. It has a large diameter one piece lid and funnel which clips into place positively and securely, enabling the tank to be filled and emptied quickly.

The 35mm Tank (PTP114) takes a single 35mm film, the Universal tank (PTP115) takes two 35mm films or a single 120/220 film. The 35mm model is complete with one auto load reel and the Universal tank is complete with two auto load reels.

In-use:

Agitation of the processing solutions can be by inversion of the tank using the flexible water tight cap provided, or by rotary agitation using the agitation rod also provided.

In processing 300 ml of solution is required for a single 35mm film or 500ml for two 35mm and one 120 roll film.

It is essential that in use, the auto load reels are always used fixed onto the centre column provided. This ensures that the tank remains light tight during the processing cycle.

SEE ALSO:

PATERSON MULTI-REEL TANKS (PTP116,117 &118)

PATERSON AUTO-LOAD REELS (PTP119 &120)





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SUPER SYSTEM 4 MULTI REEL DEVELOPING TANKS



These tanks are supplied without reels so that a system best suited to the users needs can be built up.

The Multi -reel 3: Takes up to three 35mm films, or two 120/220 films. (Code PTP116)

The Multi -reel 5: Takes up to five 35mm films or 3 120/220 films. (Code PTP117)

The Multi- reel 8: Takes up to eight 35mm films or five 120/220 films. (Code PTP118)

The Paterson Auto-Load reels are slid onto the appropriate centre column supplied with the tank. The reels are designed to grip the centre column and any number from one reel up to the tank maximum can be used. Care should be taken when inverse agitation is used with less than a full load of film and chemistry, as it can lead to over vigorous agitation of the chemistry.





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AUTO LOAD REEL



Product Code (Single) PTP119: (6 Pack) PTP120

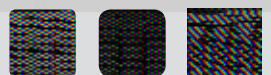
Designed for use in the Paterson Super System 4 tanks. The reels are adjustable to accommodate 35mm, 127 and 120 film sizes.

The reels have a smooth finish to allow for free flow of solution and are equipped with a twin ball ratchet loading system that ensures easy loading of the film.

In Use:

When adjusting the reel to accommodate different sizes of film hold one end of the reel in your left hand and the other end in your right hand. Then turn each end of the reel in opposite directions until the two part of the reel unlock. The two halves of the reel can now be slid apart until the correct width for the film to be processed is reached. Now turn each half of the reel in opposite directions to re-lock the two halves in the new position. With new reels the two halves may require extra pressure to unlock them, but this eases with use.

The reels are available singularly or in packs of Six.





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CHANGING BAG



Product Code, PTP125

A changing bag is probably the most essential piece of equipment a photographer who shoots with film can carry. In the field having a changing bag to hand means that a jammed or partly exposed film can be safely removed from the camera and shooting can continue.

It will also allow a film to be loaded into a developing tank without having to first find a darkroom.

The Paterson changing bag is large enough to allow a camera back to be fully opened once inside or a film to be loaded into a tank.

It has a fail-safe double skin with a double closure and the inner lining is specially designed to avoid perspiration in prolonged use.

Size 685mm x 760mm





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FORCE FILM WASHER



Product Code PTP201

The Force Film Washer allows faster washing of film in around 5 to 10 minutes. Designed to fit into the top of all Super System 4 Tanks, it directs the flow of water down to the bottom of the tank, which in turn pushes the water already in the tank out through the top rim. This ensures rapid change of wash water, which assists the fast removal of the residual chemistry.

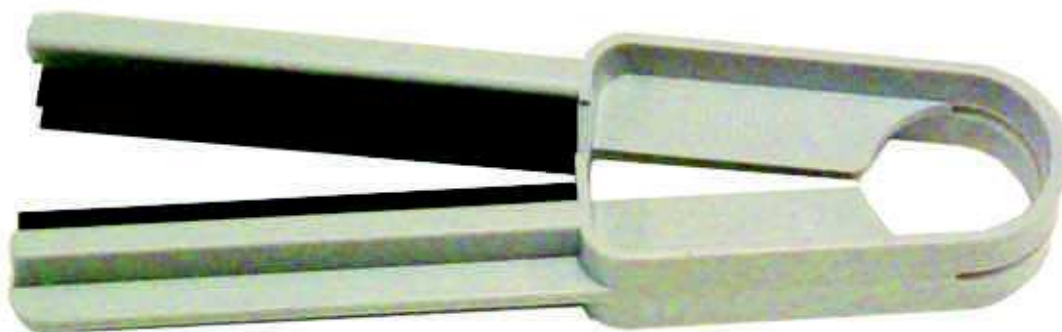




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FILM SQUEEGEE



Product Code PTP211

Designed to remove excess water from the surface of a film before drying. The Squeegee has extra soft rubber blades that removes water droplets from the surface of the newly processed film. This prevents drying marks on the negatives.

For best results use a few drops of wetting agent in the final washing water.





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FILM CLIPS



Product Code, PTP218

An essential accessory when drying film after processing. Both clips are spring loaded and have two spikes which firmly grip the film. One clip is weighted to ensure the film is held straight whilst the film dries.

See also:

Paterson Film Squeegee PTP211: This ensures the removal of water droplets that will cause drying marks on the film, if not removed.

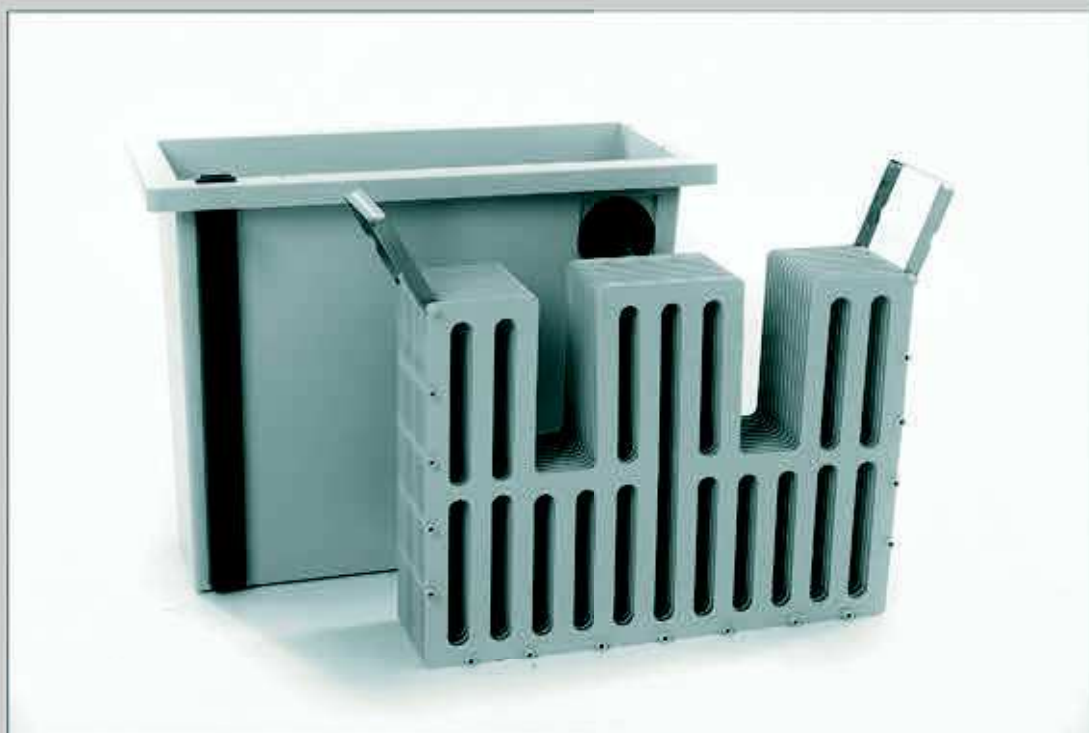




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AUTO PRINT WASHERS



Product Codes, Standard PTP231, Major PTP233

Designed to wash fibre-based papers that require longer washing time than RC type papers. The unique agitation system gently moves the print basket from side to side ensuring that the chemicals remaining in the paper base are fully removed.

The standard print washer will take up to twelve prints 10x12" (25.4x30.5cm) or 8x10" (20.3x25.4cm), or twenty four prints 5x7" (12x18cm) or smaller.

The major model handles 12 prints up to 12"x16" (30x40cm) or twenty-four prints up to 8"x10" (20.3"x25.4")

Each print is held separately in the basket allowing water to wash both sides of the print.

Agitation of the print basket is facilitated by water pressure that operates a pump device in the washer inlet. It is important that water pressure is carefully adjusted until the basket is gently moving backward and forward.

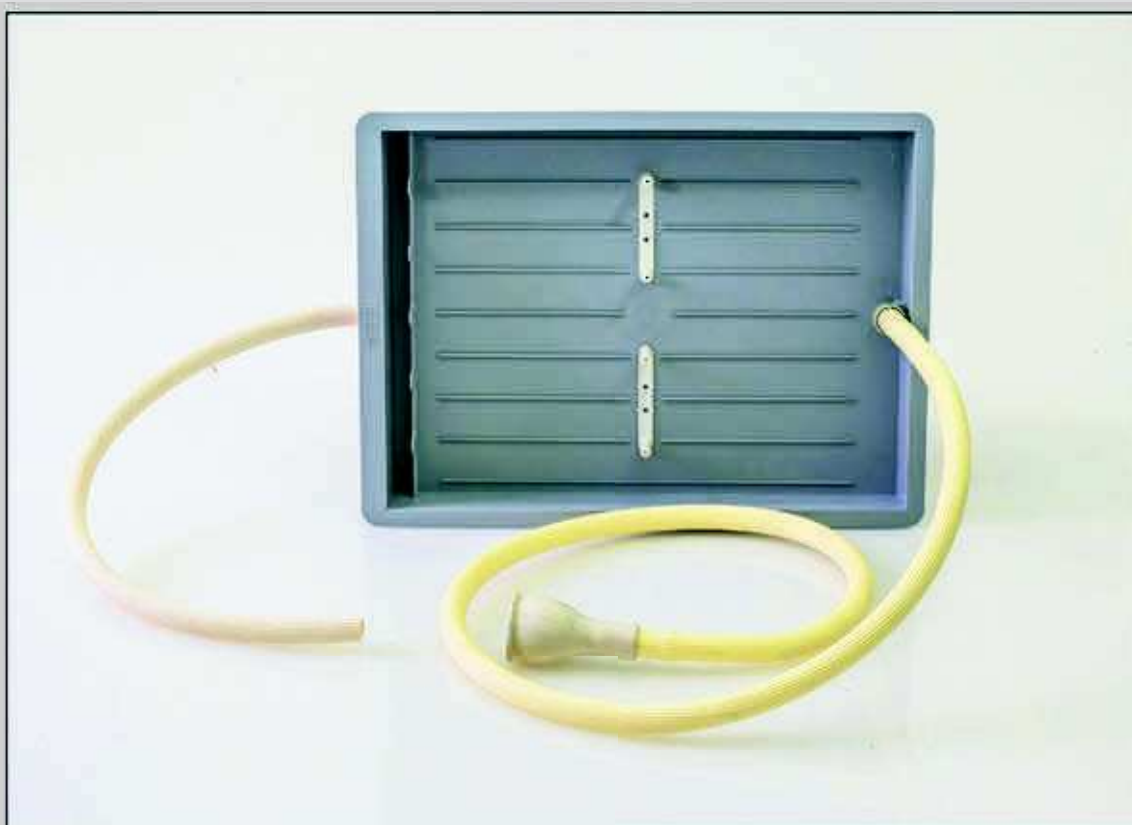




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HIGH SPEED PRINT WASHERS



Two models are available:

810 for prints up to 8"X10" (20.3x25.4 cm) PTP235

1216 for prints up to 12"x16" (30.5"x40.6") PTP250

Designed to wash resin coated (RC/PE) papers, the turbulence of the water flowing across the print washer ensures that all chemicals are removed from the print being washed. Prints are washed in 2 to 4 minutes before being squeegeed and dried.

Smaller prints can be washed by using the clip in separators provided to divide the base of the washer into smaller sections.

Use with:

Rapid Print Drying Rack (Code,PTP258)

RC Print Squeegee (Code,PTP255)





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CHEMICAL MIXER



Product Code, PTP245

The mixer is specially shaped for efficient stirring and it incorporates a particle crusher. It is invaluable when making up solutions either from liquid concentrates or from dry powdered chemicals.

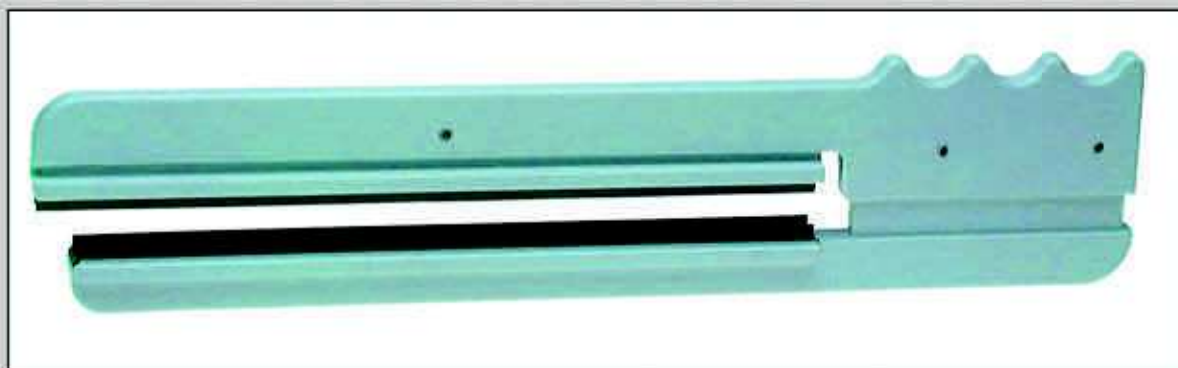




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RC PRINT SQUEEGEE



Product Code, PTP255

Specially designed to remove surplus water from both sides of prints made on resin coated paper for rapid and even drying.

The long soft rubber blades ensure that the surface of the prints are not damaged.

Suitable for prints up to 16x12" (40.6x50.8cm)

Ideal for use in conjunction with the Paterson Print Drying Rack. (PTP258)





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PRINT DRYING RACK



Product Code, PTP258

Designed to quickly dry prints made on RC Photographic paper.
The rack allows free circulation of air around both sides of the prints.

Up to 5 prints 12x16" (30.5x40.6cm) or 10 prints 8x10" (20.3x25.4cm)
or smaller can be dried in the rack at any one time.

Special separators ensure minimum contact with the surface of each print.

The rack can be used in conjunction with the Paterson RC Print Squeegee (PTP255) which will remove the surplus surface water from the prints before they are inserted in the rack.

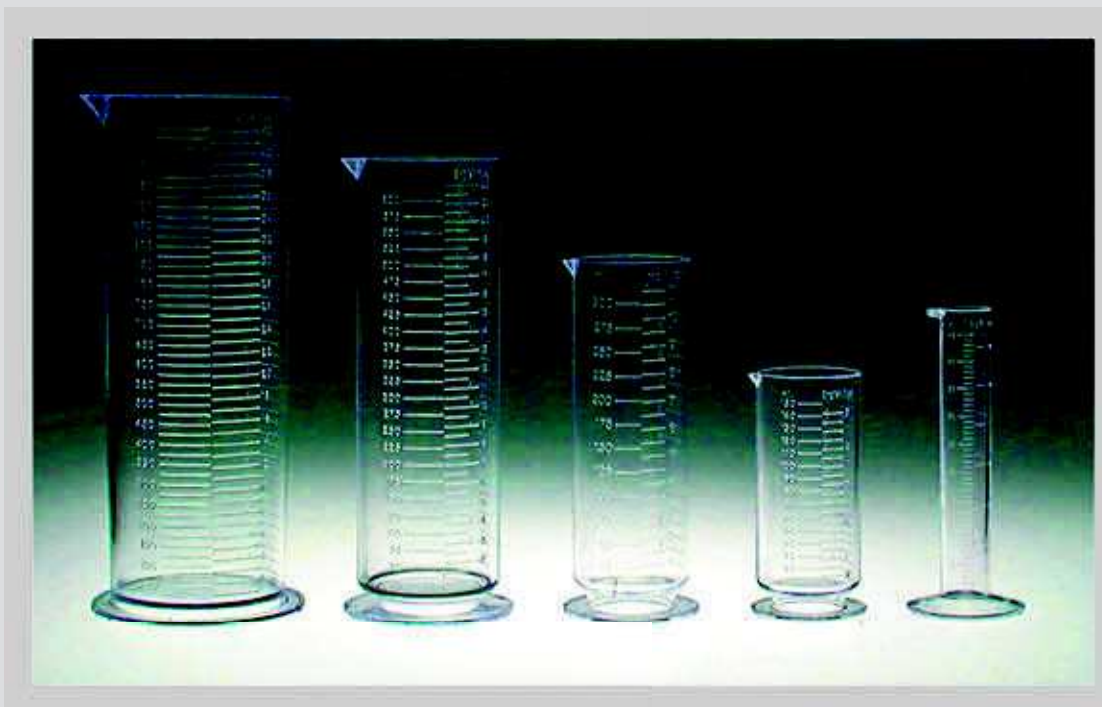




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MEASURING GRADUATES



Paterson Graduates are made from transparent polystyrene moulded to ensure total accuracy. The markings are widely separated and are easy to read. They are resistant to most photographic chemicals.

Five sizes are available each calibrated in metric, Imperial and US scales.

PTP301: 45ml,
PTP302: 150ml
PTP303: 300ml
PTP304: 600ml
PTP305: 1200ml





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FUNNEL



Product Code, PTP306

Moulded from polythene, the funnel is virtually unbreakable and is resistant to all photographic chemicals. It is specially designed with external ribs to prevent airlocks forming and to allow rapid pouring.





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MIXING JUGS



Two Sizes available:

1 Litre Product Code, PTP309

2 Litre Product Code, PTP310

Moulded in tough polypropylene they are designed to mixing and measuring chemical solutions very easy. They are resistant to all photographic chemicals and they are both graduated in metric, Imperial and US scales. The moulded handles give a firm grip, even with wet hands.





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WATER FILTER



Product Code, PTP317

The water filter ensure that any dust or other particles in the tap water used for washing film is removed. The 20 micron filter will remove most water borne dust and dirt. The filter can be used either on its own to provide filtered water for mixing chemistry, or together with the force film washer (PTP201) when washing film.





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DEVELOPING TRAYS



Available in six sizes from 5" x 7" (12.7x17.8 cm) to 20"x24" (50.8x60cm)
They are injection moulded from thick polypropylene. The specially designed base ribbing gives both maximum stability and economy with processing solution. The moulding along one edge gives support to a thermometer allowing a constant check of solution temperature.
The trays are available in three colours either singularly or in sets of three with one of each colour.

Sizes Available:

Product Code's	Single Tray	Set of 3
5"x 7" (12.7x17.8cm)	PTP322	PTP332
8"x10"(20.3x25.4cm)	PTP324	PTP334
10"x12"(25.4x30.5cm)	PTP325	PTP335
12"x16"(30.5x40.6cm)	PTP326	PTP336
16"x20"(40.6x50.8cm)	PTP327	PTP337
20"x24"(50.8x 60cm)	PTP328	PTP338 (White Only)





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PRINT TONGS



Product Code, PTP341

Designed for handling printing paper during processing in trays.

Supplied as colour-coded sets. One White. One Dark Grey and One Red.

Each Tong has a textured side panel to provide a firm grip and deep shoulders to prevent them sliding into the tray of processing solution.

In use it is very important that each tong only enters the solution in the tray that the tong is allocated to. Other wise there can be carry over backwards from the fixer tray to the developer tray, causing chemical contamination.





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THERMOMETERS



Paterson photographic thermometers are available in two types covering two temperature ranges.

PTP 363: Dual temperature range of 13C to 30C and 56F to 86F which is ideal for most black and white processing.

PTP381: A larger thermometer covering a temperature range of 15C to 65C or 60F to 150F



FILM & PRINT PROCESSING KIT



Product Code, PTP572

The kit contains all the equipment that is required to process both 35mm and 120 roll films and prints up to 20.3 x 25.4cm (8"x10").

It is an ideal addition to the Paterson Universal Enlarger & 2000D Timer which together make up all of the equipment required to set up a darkroom.

The universal tank includes two auto load reels allowing two 35mm films to be processed at the same time.

3 colour coded developing trays handle up to 20.3 x 25.4cm printing paper. The different colours help to ensure that each tray is kept exclusively for each type of processing solution, thus avoiding contamination.

See also: Paterson Universal Enlarger PTP700/701/702
Paterson 2000D Enlarger Timer PTP745





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FILM PROCESSING KIT



Product Code, PTP573

The kit contains everything required to process up to two 35mm films or one 120 roll film at a time.

Ideal for those photographers who wish to capture their images on film and then either have them printed commercially or make their prints digitally after scanning their negatives.

It can also form the basis of a complete darkroom, where more specialised equipment to cope with larger prints is required than that provided for in the Film and Print kit.

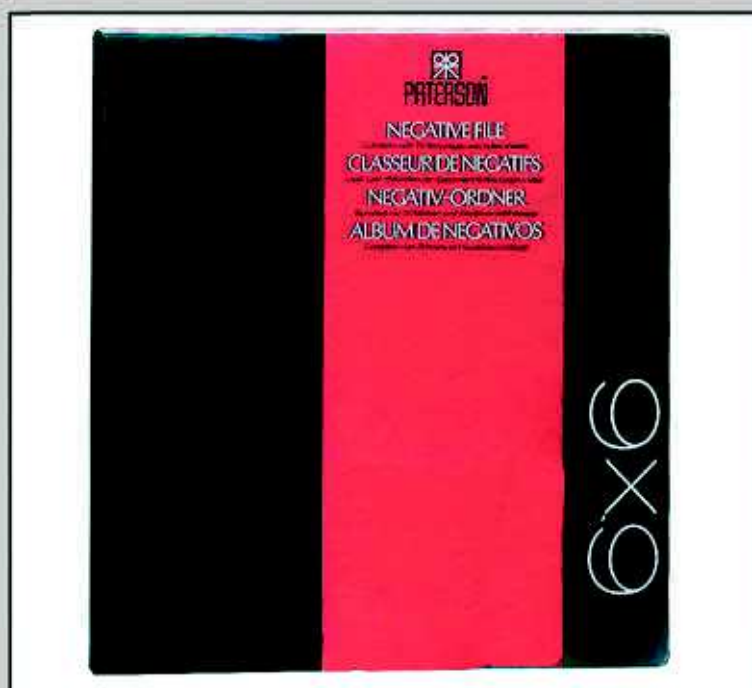




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VISUAL FILING SYSTEM



The safest and most practical way to store negatives. The smart ring binder is supplied with 25 negative filing sheets designed to hold the negatives in separate strips. Available in 35mm and 120 formats. Additional negative filing sheets are available in packs of 25.

Product Code's

PTP611: Visual Filing System for 35mm film.

PTP612: Visual Filing System for 120 film.

PTP613: Pack of twenty five 35mm Filing Sheets.

PTP614: Pack of twenty five 120 Filing Sheets.



CONTACT PROOF PRINTERS



Four models are available in this range of Contact Proof Printers:

PTP619: Designed to proof a complete roll of 35mm (36 Exposure) film on standard 8" x 10" (20.3 x 25.4cm) photographic darkroom paper.

PTP620: Designed to proof a complete roll of 120 film on standard 8" x 10" (20.3 x 25.4) photographic darkroom paper.

PTP621: Designed to proof up to seven strips of six 35mm negatives onto a 24 x 30cm sheet of photographic darkroom paper.

PTP623: Is designed to contact print large negatives up to 10" x 12" (25.4 x 30.5cm) It can also be used to hold prints or other artwork flat for copying purposes.

In use the glass plate is hinged upwards and the negatives are positioned into the slots on the edges of the black mask fixed onto the under surface of the glass. The edge numbering on the film is visible through the mask allowing them to be printed onto the sheet of printing paper. A sheet of photographic printing paper is inserted emulsion side up into the contact printer. The foam pad ensures that the printing paper is in total contact with the negatives once the glass plate is clipped shut.





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MICRO FOCUS FINDER



Product Code, PTP643

The Micro Focus Finder is designed to produce a highly magnified image of the picture that is being projected onto the enlarger baseboard. This allows the grain structure of the negative to be brought into sharp focus as the image is adjusted prior to exposure of the printing paper.

The eyepiece is adjustable for individual eyesight. This adjustment is made by carefully moving the eyepiece up and down while looking through it, until the cross hair built into the finder is seen to be sharp. The eyepiece is then locked into position using the locking screw provided.

A sliding shutter protects the internal mirror when the finder is not in use.





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MAJOR FOCUS FINDER



Product Code, PTP644

At over twice the size of the Micro Focus Finder, this taller instrument enables the enlarger controls to be reached comfortably when making large prints although it is equally suitable for use making smaller prints.

As with the Micro Focus Finder it is fully adjustable to individual eyesight.

Looking through the eyepiece the user sees the much enlarged grain structure of the negative. This allows very accurate focusing on the grain structure so ensuring very sharp prints.





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SINGLE FORMAT EASEL



Product Code PTP682

The Single Format Easel provides a simple but effective way of holding a 10"x 8" sheet of printing paper flat on the enlarger baseboard. It also gives a neat white border around the print. The black frame helps to cut out reflections and the white focusing surface gives a bright image to help focusing.





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UNIVERSAL ENLARGER



Product Code,PTP700

The Paterson Universal enlarger will handle negatives up to 6x6 cm. The all metal enlarger head can be moved up and down the angled column enabling prints up to 30 x40cm to be produced. For larger prints the head can be rotated through 90 degrees to allow projection of the image onto a wall. Alternatively the column can be rotated allowing the image to be projected onto the floor. The negative carrier comes complete with both 6x6cm and 35mm glassless masks.

The enlarger lens mount is a standard 39mm thread which will accommodate a wide range of lenses and it can be supplied with either a 50mm lens for use with 35mm negatives or a 75mm lens for use with 6x6 negatives.

A filter drawer in the lamp-house allows filters used for work with Variable Contrast papers to be inserted.

A red swing filter is provided under the lens to allow paper positioning without the paper being exposed to the projected image. This is swung out of position before exposure is made.





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ENLARGER LENS



50mm Product Code PTP703



75mm Product Code PTP704

These competitively priced lenses are designed to produce excellent quality images.

The 50mm f4.5 lens is for use with negatives up to 35mm. The 75mm f3.5 lens should be used where 6x6cm negatives are being used.

Both lenses have a standard 42mm thread and are suitable for use with most makes of enlargers, including the Paterson Universal.





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2000D ENLARGER TIMER



Product Code, PTP745

Mains operated digital timer for very accurate exposure timing when using an enlarger. The timer can be set in 0.1 second increments from 0.1 to 9.9 seconds, or in one second increments from 10 to 99 seconds. The display brightness can be adjusted to suit individual requirements. The timer is available in both 230 and 110 volt versions. Available with "UK, American, Australian, and European Plug"

The timer should be connected between the electricity supply outlet and the enlarger when the enlarger uses a mains voltage lamp. If the enlarger has a low voltage lamp operated from a transformer, the timer should be connected between the mains outlet and the transformer.

The time is set using the + or - buttons. Timing begins when the start button is pressed. The timing can be interrupted at any point by pressing the start button. Once the time set is reached the enlarger switches off and the previously set time is again set ready for a further exposure. If the timing cycle is interrupted the previously set time can be restored by pressing the reset button.





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DARKROOM SAFELIGHT



Product Code,PTP760

The Paterson Darkroom Safelight complete with its Red Dome can be safely used with all current types of silver based darkroom printing papers. It is also safe for dental X-Ray film.

In use the safelight can be hung on a wall or suspended from the ceiling. It is supplied complete with a 15 watt lamp and a mains lead and plug.

The safelight should be positioned a least a metre away from the working area. In the case of larger darkrooms more than one safelight may be required.

Available with "UK, American, Australian and European Plug.

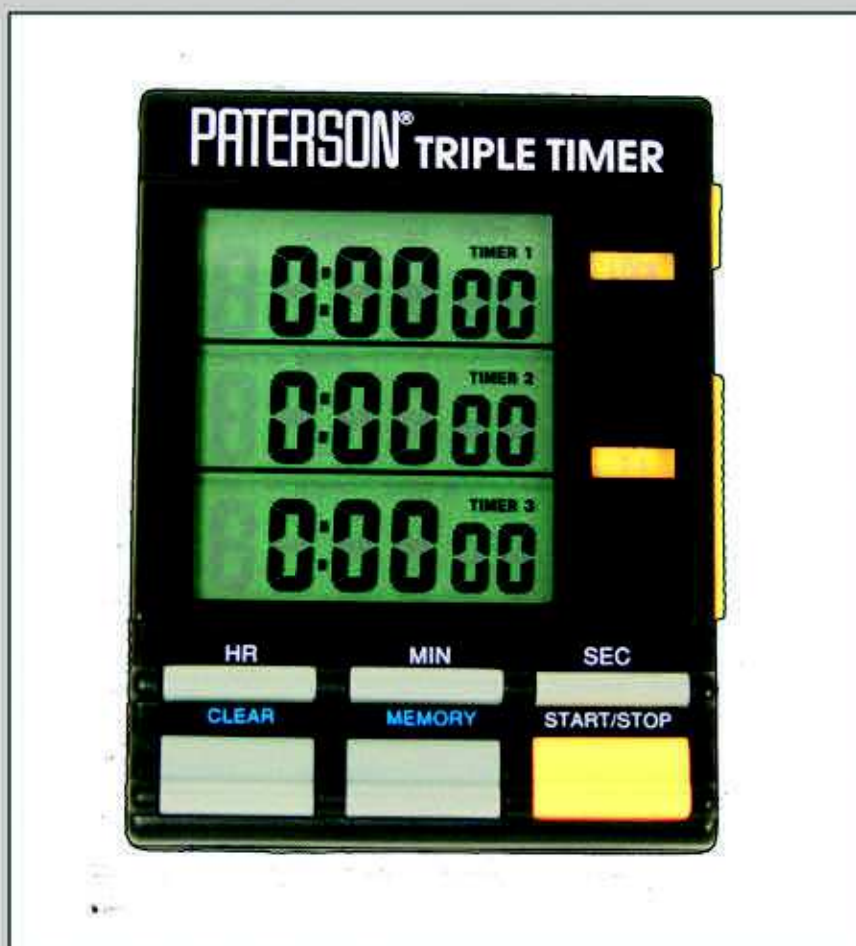




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TRIPLE TIMER



Product Code, PTP800

A battery operated timer that can be used as a clock, stop-watch or a three stage timer. The three countdown stages can be run simultaneously or as separately switched timers each counting up again after reaching zero.

The timer gives audible signals at the end of each time period.

Times can be set up to 20 hours.

Stop-Watch measures to 1/100 second.

12 or 24 hour clock display

AAA Battery included.





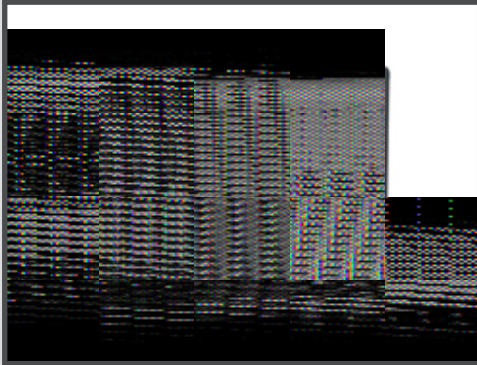
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DARKROOM SPARES

Code	Part	Includes
SPTP114	Column & Agitator	Centre column + Agitator Rod
SPTP115	Column & Agitator	Centre column + Agitator Rod
SPTP116	Column & Agitator	Centre column + Agitator Rod
SPTP117	Column & Agitator	Centre column + Agitator Rod
SPTP118	Column & Agitator	Centre column + Agitator Rod
SPTP110	Funnel & Lid	Tank Lid and Flexible Cap
SPTP109	Tank Agitator rods	Pack of two
SPTP231A	Hose Kit	Outlet & Inlet Hoses, Plug & Clip
SPTP231B	Pump	Complete Pump & Agitator
SPTP231C	Cradle Assembly	Complete Print Basket
SPTP233A	Hose Kit	Outlet & Inlet Hoses, Plug & Clip
SPTP233B	Thrust Unit & Agitator	Complete Pump & Agitator
SPTP233C	Cradle Assembly	Complete Print Basket
SPTP235	Spares Kit	Inlet & Outlet Hoses, Adapters and Separators
SPTP250	Spares Kit	Inlet & Outlet Hoses, Adapters and Separators
SPTP619	Lid Assembly 35mm	Glass complete with mask and hinge pins
SPTP619B	Base assembly	With Foam Pad
SPTP620	Lid Assembly 6x6/6x7	Glass complete with mask and hinge pins
SPTP619	Foam Pad	
SPTP621	Lid Assembly 35mm	Glass complete with mask and hinge pins
SPTP623	Lid Assembly Copy Board	Glass complete with hinge pins
SPTP623B	Base assembly	With Foam Pad
SPTP623A	Foam Pad	
PTP610	Enlarger Lamp	75 Watt Quartz Enlarger Lamp
PTP765	Safelight Dome	Orange Dome
PTP769	15Watt Lamp	15Watt Lamp
SPTP643	Eyepiece Assembly	Locking Screw

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TRIPODS



LIGHTING

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