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Developers

Fixers

Autex[®]

X-Ray Imaging Chemicals

Starters

System Cleaners

Allied Diagnostic Imaging Resources, Inc.

Allied Diagnostic Imaging Resources, Inc. makers of Autex® brand chemicals, is known throughout the medical industry as a value-added, service-oriented company, offering innovative, high-quality products backed by technological excellence.

Allied was founded in the 1960's as a manufacturer of medical and dental X-Ray chemical products, and became a part of the CPAC, Inc. family of companies in 1988. CPAC is a world leader in the development and production of chemistry and equipment for the imaging industry, and has been recognized by Business Week, Forbes, and Kiplinger's magazines as one of the top-growth small companies in the nation. Headquartered in Norcross, Georgia, Allied has manufacturing facilities in Georgia and California. Allied offers its dealers and customers a superb combination of value, service, and commitment.

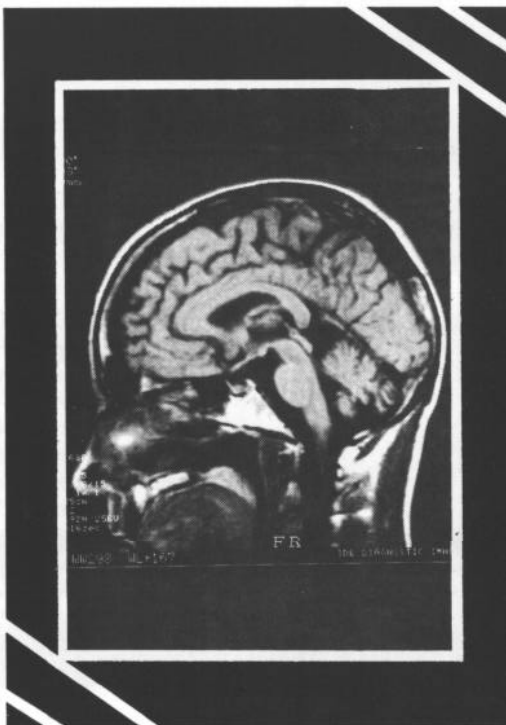
We are more than a supplier of premium grade chemistry. Our products and services encompass the entire spectrum of film processing, from automatic chemical mixers, high-performance/high-stability premium grade Autex chemistry, processor cleaning and maintenance supplies, and quality assurance instruments and supplies, to silver recovery/pollution abatement equipment and silver refining services. We have environmental and safety expertise which is invaluable to our Autex customers.

**Allied,
makers of premium
developer formulas for all
modalities.**

**We are committed to
offering environmentally
friendly products such as:**

- Chemicals designed to optimize silver recovery efficiency and minimize silver discharge.
- Full strength Allied chemicals that operate at minimum replenishment rates thereby reducing waste water effluent.
- Environmentally friendly cleaners.

***CPAC, Inc. was founded to
provide environmental
solutions to the imaging
industries. Allied, as a
member of The CPAC
Imaging Group maintains
this tradition.***



**Allied's manufacturing,
packaging, and shipping
practices cut waste and save
energy. Standard
procedures include:**

- Using state-of-the-art pollution prevention systems.
- Reducing water consumption by using low flow/high pressure custom built equipment to wash bottles prior to packaging.
- Packaging products in boxes made with a high level of recycled materials.
- Using unbleached brown cardboard boxes which are significantly less harmful to the environment than white cardboard boxes.
- Printing bottle and carton labels and some literature on recycled paper.

Allied is committed to protecting the environment, and the philosophy is pervasive. Everyone's efforts, though seemingly small, make a significant difference in the amount of waste and effluent Allied generates. Plans are in the works for new products and methods to further reduce environmental impact in our manufacturing plants, and to help our customers comply with growing environmental demands.

Autex®

X-Ray Imaging Chemicals

Autex® Chemical Products

Developer Formulations

All Autex developers are manufactured to exacting quality assurance specifications using state-of-the-art mixing, bottling and packaging technology. Known for its clean-working and superior diagnostic imaging properties, Autex is the value priced premium developer of choice for thousands of radiology professionals nationwide. Allied has devoted substantial resources to Research & Development to formulate modality-specific developers which enhance diagnostic imaging quality in each application, with all manufacturers' films.

Autex RP™

Exceptionally clean-running general radiography formulation, suitable for all brands of medical X-Ray film.

Autex SE™

Formulated for use with single emulsion films to meet the demands of higher incremental contrast, higher speed factors, and more useful diagnostic information in mammography, CT, and Ultrasound applications. Autex SE also provides excellent development latitude and optimizes sensitometric stability with all major film types. In mammography, every image is critical. That's why Autex SE is the logical choice, it brings out subtle differences in soft-tissue density making calcifications easier to detect. Made with only the purest ingredients, Autex SE developer runs clean and virtually eliminates processor caused debris and artifacts.

Autex UV™

This premium grade, long lasting developer is designed specifically to work with DuPont's Ultra-Vision™ film. Autex UV is balanced to provide low base + fog while yielding a high D-Max with good toe contrast. Its excellent latitude makes Autex UV suitable for most other brands of film.

Autex KE™

This developer has been formulated for use with medical X-Ray films to provide sensitometric results and image quality which are equivalent to that achieved using Kodak brand developer. Packaged in easy-to-use 2 x 5 gallon put-ups, Autex KE can be mixed in automatic specific gravity controlled mixers using the same bottle template used for Kodak brand concentrate developer.

Fixer Formulations

Manufactured with the same QA controls as Autex developers, Autex fixers represent the premium quality, best value product for all radiographic applications.

Autex RP™

This 2-part all-liquid hardening formula delivers superior fixing and hardening for all medical and industrial X-Ray films. It is clean working, non-sludging, and non-corrosive.

Autex EcoFix™

For use with closed-loop, on-line electrolytic silver recovery systems, EcoFix provides all the benefits of Autex RP fixer but with a higher concentration of sulfites to withstand the rigors of electrolysis. When used with CPAC's

AccuFix™ silver recovery system EcoFix replenishment rates can be set 50% lower than standard fixer.

NOTE: Verify with your film supplier that replenishment rate reduction will not have an adverse impact on diagnostic image quality or archivability.

Packaging

Autex premium grade chemicals are available in a convenient, easy-to-use concentrate package for use with automatic mixers:

BiPak®

This 2 x 5 gallon put-up gives you the option of mixing either 5 or 10 gallons. Weights: Developer 30 lbs., Fixer 26 lbs.

All of the Autex chemical products listed above are also available premixed ready-to-use form. Ask your authorized Autex dealer for details.

Automatic Chemical Mixers

Allied's sister company, CPAC Equipment Division, manufactures Autex automatic chemical blenders to Allied's specifications. These mixers utilize state-of-the-art electronic technology to precisely mix and deliver Autex chemicals to your processor.

The concentrate bottle compartments on each mixer is color coded (green for developer, red for fixer) and bottle templates are used to eliminate operator error. Autex

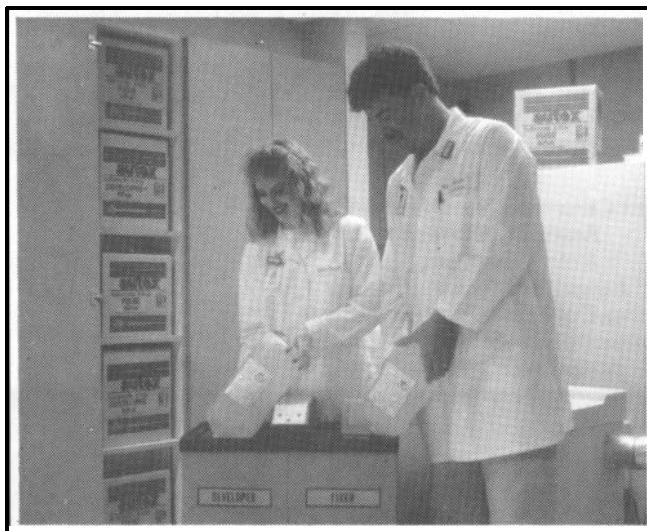
mixers are U.L. listed (388T) and operate on low voltage (24 volts) so there is no danger of electrical shock. Two sizes are available:

AutoMixer™

Capacity: 12.5 gallons developer & 12.5 gallons fixer. Size: 16"D x 23.75"W x 32.5"H

SpaceSaver™ Mixer

Capacity: 7.5 gallons developer & 7.5 gallons fixer. Size: 16"D x 23.75"W x 22"H (fits under the feed tray on most processors)



Allied Diagnostic Imaging Resources, Inc.

Other Products:

- Processor Quality Assurance software, systems, and supplies.
- Environmental compliance and silver recovery equipment manufactured by Allied's sister company, CPAC Equipment Division.
- OSHA Employee Right-to-know training **products** and worker safety supplies.
- Processor systems cleaners, **including** environmentally friendly chromate**free** formulas.

Value-Added Services:

- MQSA training by ASRT certified instructors with **CEU's** awarded.
- Environmental regulation consulting and effluent sampling programs.
- Employee OSHA Right-to-Know training.
- Silver refining services. Call for a brochure.

Autex® Chemical Application Chart

Developers

Catalog No.	Product	Application	Packaging	Makes Gallons
23002	Autex Manual Developer	Manual hand tank film processing	4 x 1 gallon (with reshipper)	20
23003	Autex Manual Developer	Manual hand tank film processing	4 x 1 gallon (without reshipper)	20
23014 23014-UV	Autex RP™ Autex UV™	AU general radiography films DuPont Ultra-Vision™ film (Works well with others)	2 x 5 gallon BiPak®	10
23015	Autex SE™	Single emulsion mammo, CT & Ultrasound films	2 x 5 gallon BiPak	10
23514	Autex KE™	All general radiography films	2 x 5 gallon BiPak	10

Fixers

Catalog No.	Product	Application	Packaging	Makes Gallons
23007	Autex Manual Fier	Manual hand tank film processing	4 x 1 gallon (with reshipper)	20
23008	Autex Manual Fixer	Manual hand tank film processing	4 x 1 gallon (without reshipper)	20
23016	Autex Fixer	All general radiography films	2 x 5 gallon BiPak	10
23216	Autex Electro™ Fixer	use with closed-loop electrolytic silver recovery systems	2 x 5 gallon BiPak	10

Starters & Systems Cleaner

Catalog No.	Product	Packaging	Makes Gallons
29000	Autex Chromate-Free Systems Cleaner	2 x 2 quart (2 x 8 ounce)	4
29019	Autex Developer Starter	6x1quart	N/A
29020	Autex Developer Starter	4 x 1/2 gallon	N/A
29025	Autex Fixer Systems Cleaner	4 x 1/2 gallon	18
29026	Autex Developer Systems Cleaner	4 x 1/2 gallon	18
29070	Autex Developer Systems Cleaner	12 x 1 quart	27
29075	Autex Fixer Systems Cleaner	12 x 1 quart	27

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UniPak™ Developer & Fixer Kit

FEATURES

- One complete five-gallon mix of developer
- One complete five-gallon mix of fixer
- For automatic or hand tank processing with all brands and types of X-ray films
- May be shipped by UPS
- Easy-carry hand holes
- Each UniPak weighs less than 30 pounds
- Convenient color-coded developer and fixer caps

DESCRIPTION

For dealers who service low volume accounts and remote facilities, we offer UniPak. Each UniPak contains concentrates to make one complete five-gallon mix of developer and fixer. Designed for durability, UniPak kits can survive even the most rigorous shipping conditions.

Product	Catalog Number	Mix Size
UniPak Developer & Fixer Kit	23139	1 x 5 gallon Developer 1 x 5 gallon Fixer
UniPak Developer Starter	23039	6 x 1 quart

MIXING INSTRUCTIONS

To make 5 gallons Developer (green caps):
Add bottle of Part A to 3 gallons plus 82 ounces of water and mix well. Add bottle of Part B and mix well. Add bottle of Part C and mix thoroughly.*

To make 5 gallons Fixer (red caps):
Add bottle Part A to 3 gallons plus 112 ounces of water and mix. Add Part B and mix thoroughly.*

**Never mix concentrates together without water.*

Your local dealer is:

SPECIFICATIONS

Developer/Replenisher:
pH at 70°F 10.45 - 10.55
Specific gravity at 70°F 1.070 - 1.080

Working Tank*:
pH at 70°F 10.20 - 10.30
Specific gravity at 70°F 1.070 - 1.080

**Working tank solution is achieved by adding starter in increments of 3 ounces per gallon of replenisher solution.*

Fixer/Replenisher & Working Tank:
pH at 70°F 4.10 - 4.20
Specific gravity at 70°F 1.080 - 1.090

cpac IMAGING GROUP
Phone: 800-477-5440

MEDICAL IMAGING CHEMICALS



autex® UV

Automatic Developer and Replenisher For Du Pont Ultra-Vision® Film

Features:

- formulated for use with Du Pont Ultra-Vision™ medical X-Ray film
- works well with all other DuPont films
- clean working
- cost effective
- designed for use with automatic mixers
- balanced to provide low fog, **high-speed** and good toe contrast
- excellent latitude
- long shelf-life
- convenient mix sizes
- high D-Max

Description:

Autex® UV Automatic Developer and Replenisher is a liquid three-part concentrate designed for optimum processing of Du Pont Ultra-Vision™ film in conventional 90 second roller transport processors. **Autex®** UV is designed to maintain low base + fog while yielding a high D-Max with good toe contrast. It can also be used for processing most other types and brands of medical X-Ray film in automatic roller transport processors with processing cycles of 90 seconds and **longerto** over 3 minutes, 30 seconds. It is available as a 2 x 5 gallon **BiPak®** and a 200 gallon bulk mix.

Product	Catalog Number	Mix Size	Fill
autex® UV Automatic Developer and Replenisher	23014-W	BiPak® (2 x 5 gallons)	2 x 1.25 gallons Part A 2 x 8 ounces Part B 2x 160 cc Part C
	23013-W	200 gallons	1 x 50 gallons Part A 2 x 1.25 gallons Part B 2 x 1.25 gallons Part C

autex[®] UV

Automatic Developer and Replenisher

MIXING INSTRUCTIONS:

Developer Replenisher Solution:

Water	Part A	Part B	Part C	Final Volume
3 gallons + 82 ounces	1 bottle	1 bottle	1 bottle	5 gallons
7 gallons + 38 ounces	2 bottles	2 bottles	2 bottles	10 gallons
14 gallons + 75 ounces	4 bottles	4 bottles	4 bottles	20 gallons
145 gallons	50 gallons	2.5 gallons	2.5 gallons	200 gallons

Replenisher Specifications:

pH at 70°F 10.45 to 10.55

Specific gravity at 70°F 1.070 to 1.080

Developer Working Tank Solution:

Replenisher	Starter
1 gallon	3 ounces
5 gallons	15 ounces
10 gallons	30 ounces
20 gallons	60 ounces

Working Tank Specifications:

pH at 70°F 10.20 to 10.30

*Replenishment Rates**

Film Sizes Processed	Processor Usage	Average Sheets of Film per 8 hours		Replenishment Rate per 14 inches (35 cm)
		With Standby	No Standby	
Mixed	High	115	225	50ml
Mixed	Medium	80	175	65 ml
Mixed	Low	40	115	80 ml
14 x 17	High	75	150	80 ml
14 x 17	Medium	50	110	80ml
14 x 17	Low	25	75	90 ml

* Suggested starting replenishment rate: , may require adjustment based on processing conditions.



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Autex®

Manual Fixer & Replenisher

FEATURES:

- Suitable for all types and brands of medical and industrial X-ray film
- Clean working
- Non-corrosive
- Non-sludging
- Long shelf life
- High capacity

DESCRIPTION:

Autex Manual Fixer and Replenisher is a one-part concentrate, all-liquid hardening fixer designed to provide superior fixing and hardening for all medical and industrial X-ray films.

Autex Manual Fixer and Replenisher is available in convenient 5, 20, and 250 gallon mixes.

Product	Catalog Number	Mix Size
Autex® Manual Fixer & Replenisher	23007	4 x 5 gallons (with reshipper cartons)
	23008	4 x 5 gallons (without reshipper cartons)
	23009	250 gallons

Autex[®] Manual Fixer

Fixing Time and Temperature:

Temperature °C °F	Medical Screen	<i>Film Type</i>		
		Cinefluorograph	Industrial	Dental
15-20 60 - 68	3 to 5 minutes	2 to 4 minutes	5 to 12 minutes	3 to 6 minutes
21 -27 70 - 80	2.5 to 4 minutes		3 to 8 minutes	2 to 4 minutes

Mixing Instructions:

Fixer Tank Solution

Concentrate	Water	Working Solution
1 gallon 4 gallons 50 gallons	4 gallons 16 gallons 200 gallons	5 gallons 20 gallons 250 gallons

Tank Solution Specifications:

pH at 70°F 4.95 to 5.00

Specific gravity at 70°F 1.055 to 1.070

Fixer Replenisher Solution

Concentrate	Water	Working Solution
1 gallon 4 gallons 50 gallons	3 gallons 12 gallons 150 gallons	4 gallons 16 gallons 200 gallons

Replenisher Specifications:

pH at 70°F 4.95 to 5.00

Specific gravity at 70°F 1.070 to 1.080



Autex®

Manual X-ray Developer & Replenisher

FEATURES:

- Suitable for all types and brands of X-ray films
- Low fog with balanced speed and contrast for maximum detail
- Formulated for long shelf life
- Clean working
- High capacity
- Minimum replenishment
- Consistent image quality
- Cost effective

DESCRIPTION:

Autex® Manual X-ray Developer is a one-part, concentrated liquid hand-tank formula. It is designed to ensure maximum life/stability, tank cleanliness, and optimal sensitometric film performance. Formulated for superior manual processing, this premium developer is suitable for use with all types and brands of medical, dental, industrial, and cinefluorograph films.

Available in convenient 5, 20, and 250 gallon mixes.

Product	Catalog Number	Mix Size
Autex® Manual X-ray Developer & Replenisher	23002	4 x 5 gallons (with reshipper cartons)
	23003	4 x 5 gallons (without reshipper cartons)
	23004	250 gallons

Autex[®] Manual X-ray Developer and Replenisher

Developer Time and Temperature:

Temperature		Medical Screen	Cinefluorograph	<i>Film Type</i>	
°C	°F			Industrial	Dental
18	65	4 to 6 minutes	2 to 4 minutes	6 to 10 minutes	6 to 10 minutes
20	68	3 to 5 minutes		5 to 8 minutes	5 to 8 minutes
22	72	2.5 to 4 minutes		4 to 6 minutes	4 to 6 minutes
24	75	2 to 3 minutes		3 to 5.5 minutes	3 to 5.5 minutes
26	80	1.5 to 2 minutes			

Mixing Instructions:

Developer Tank Solution

Concentrate	Water	Working Solution
1 gallon	4 gallons	5 gallons
4 gallons	16 gallons	20 gallons
50 gallons	200 gallons	250 gallons

Tank Solution Specifications:

pH at 70°F 10.50 to 10.60

Specific gravity at 70°F 1.045 to 1.055

Developer Replenisher Solution

Concentrate	Water	Working Solution
1 gallon	3 gallons	4 gallons
4 gallons	12 gallons	16 gallons
50 gallons	150 gallons	200 gallons

Replenisher Specifications:

pH at 70°F 10.50 to 10.60

Specific gravity at 70°F 1.060 to 1.070



Autex®

EcoFix™ Fixer & Replenisher

FEATURES:

- Exceptionally clean running
- Fast acting, highly buffered
- Environmentally friendly
- Low replenishment

DESCRIPTION:

Autex EcoFix Fixer and Replenisher can be introduced directly into a standard Autex fixer system, and reduces effluent up to 60%. When used with a closed-loop electrolytic silver recovery system, EcoFix provides enhanced environmental compliance without additional cost.

Product	Catalog Number	Mix Size
Autex® EcoFix™ Fixer & Replenisher	23216	2 x 5 gallons

MIXING INSTRUCTIONS:

Start with 2 gallons, 7 pints water at room temperature. While stirring, add the contents of the bottle Part A. Continue stirring and add the contents of the bottle Part B, and stir for 30 seconds. Makes 5 gallons. For easier mixing use our Autex Auto Mixer.

SPECIFICATIONS:

pH at 70°F 4.10 to 4.20
Specific gravity at 70°F 1.095 to 1.105



Autex® EcoFix™ Fixer & Replenisher

FEATURES:

- Exceptionally clean running
- * Fast acting, highly buffered
- Environmentally friendly
- Low replenishment

DESCRIPTION:

Autex EcoFix Fixer and Replenisher can be introduced directly into a standard Autex fixer system, and reduces effluent up to 60%. When used with a closed-loop electrolytic silver recovery system, EcoFix provides enhanced environmental compliance without additional cost.

Product	Catalog Number	Mix Size
Autex® EcoFix™ Fixer & Replenisher	23216	2 x 5 gallons

MIXING INSTRUCTIONS:

Start with 2 gallons, 7 pints water at room temperature. While stirring, add the contents of the bottle Part A. Continue stirring and add the contents of the bottle Part B, and stir for 30 seconds. Makes 5 gallons. For easier mixing use our Autex Auto Mixer.

SPECIFICATIONS:

pH at 70°F 4.10 to 4.20
Specific gravity at 70°F 1.095 to 1.105

MEDICAL IMAGING CHEMICALS

autex® Enviroclean™ Chromium Free Developer Systems Cleaner

Features:

- non-corrosive
- suitable for all brands of medical X-ray processors
- convenient mix size
- safe for discharge into municipal sewer systems
- 100% chromium free

Description:

Autex® Enviroclean™ Developer systems cleaner is a four-part concentrated cleaner recommended for use in medical X-ray film processors. Enviroclean™ is 100% “chromium free” making it safe to discharge into municipal sewer systems. Enviroclean™ is packaged to yield two 2 gallon mix sizes for added convenience.

Product	Catalog Number	Packaging	Container Volumes
autex® Enviroclean™ Developer Systems Cleaner	29000	Part A (2 each) Part B (2 each) Part C (2 each) Part D (2 each)	1 quart (946 ml) 8 ounces (236 ml) 1 quart (946 ml) 8 ounces (236 ml)

*Directions for cleaning a 2 gallon developer tank:

Drain the developer from the processor tank and rinse with water. Fill the developer tank halfway with water. Add 1 bottle of Enviroclean™ Part A. Add 1 bottle of Enviroclean™ Part B. Fill developer tank to overflow with water. Circulate the cleaner through the processor for 2 minutes. Add 1 bottle of Enviroclean™ Part C. Add 1 bottle of Enviroclean™ Part D. Circulate the cleaner through the processor for 2 minutes. Do not circulate cleaner through the processor for more than 5 minutes. Drain processor tank. Rinse the processor tank thoroughly with water. Fill processor tank with clean water and circulate through entire system. Drain processor tank. System is now ready for fresh chemistry.

* For best results, instructions must be followed carefully. Any variation in mix sizes or instructions may result in poor performance. Never add concentrates together without water.



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Diagnostic Imaging Resources, Inc.
A CPAC Company

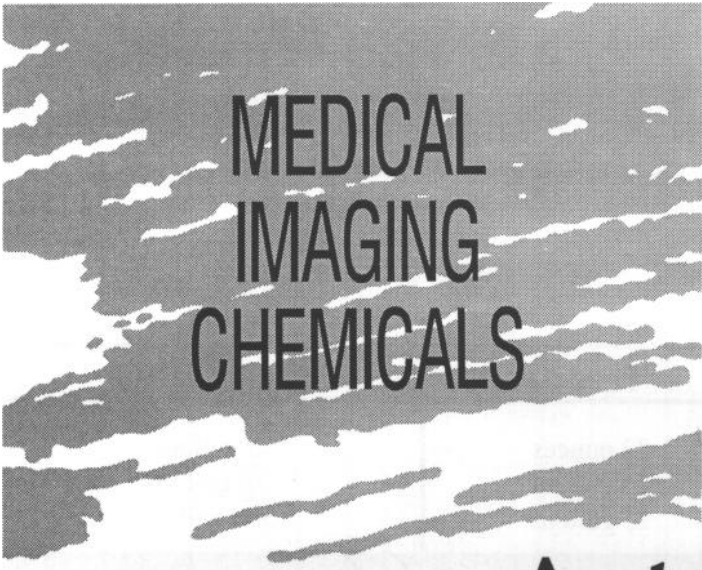
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MEDICAL IMAGING CHEMICALS

Autex® RP

Automatic Fixer and Replenisher

Features:

- Suitable for all types and brands of medical and industrial X-Ray film
- Designed for use with automatic mixers
- Clean working
- **BiPak** designed for high temperature automatic processing
- Non-sludging
- Improved for superior drying

Description:

Autex® RP Automatic Fixer and Replenisher is a two-part, all liquid hardening fixer designed to provide superior fixing and hardening for all medical and industrial X-ray films. It is specially formulated for high temperature automatic processors, but will perform equally well as a **handtank** fixer and is available in a convenient 10 gallon **BiPak®** as well as 300 gallon drum bulk kits.

Product	Catalog Number	Mix Size
Autex® RP Automatic Fixer and Replenisher	23016	BiPak® (2 x 5 gallons)
	23020	300 gallons

Autex®

Automatic Fixer and Replenisher

MIXING INSTRUCTIONS

Water	Part A	Part B	Final Volume
3 gallons + 112 ounces	1 gallon	32 ounces	5 gallons
7 gallons + 97 ounces	2 gallons	64 ounces	10 gallons
233 gallons	52 gallons	15 gallons	300 gallons

Specifications:

pH at 70°F Part A and B 4.10 to 4.20
Specific gravity at 70°F 1.080 to 1.090

Replenishment Rates*

Film Sizes Processed	Processor Usage	Average Sheets of Film per 8 hours		Replenishment Rate per 14 inches (35 cm)
		With Standby	No Standby	
Mixed	High	115	225	70 ml
Mixed	Medium	80	175	85 ml
Mixed	Low	40	115	100 ml
14 x 17	High	75	150	85 ml
14 x 17	Medium	50	110	100 ml
14 x 17	Low	25	75	120 ml

** Suggested starting replenishment rates may require adjustment based on processing conditions.*

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MEDICAL IMAGING CHEMICALS



BF-13TM (Bulk Converter Product) Fixer and Replenisher

Features:

- suitable for all types and brands of medical and industrial X-Ray films
- cost effective
- clean working
- formulated for large volume solution services

Description:

BF-13" Part A is a concentrated liquid fixer and replenisher available in 4,000 gallon tank trucks and 330 gallon disposable bulk liquid transport bins (ALLIED's exclusive Big Bin"). It is formulated to replace RP X-OMAT Fixer and is completely **compatible** with RP X-OMAT Fixer and Replenisher Part B.

BF-13" Part B is available in 5 gallon units to make 100 gallons and 40 gallon drums to make 1,000 gallons. Part B is designed for use with BF-13" Part A and RP X-OMAT Fixer and Replenisher Part A.

Product	Catalog Number	Contents
BF-13" Part A	2202	4,000 gallons*
BF-13" Part A	23330	330 gallons (Big Bin")
BF-13" Part B	2303 1	5 gallons

- 4,000 gallons of Part A requires 40 units of **Part B**.

BF-1 3TM

(Bulk Converter Product) Fixer and Replenisher

MIXING INSTRUCTIONS:

Water	Part A	Part B	Final Volume
3.5 gallons	1.25 gallons	32 ounces	5 gallons
7 gallons	2.5 gallons	64 ounces	10 gallons
35 gallons	12.5 gallons	2.5 gallons	50 gallons
140 gallons	50 gallons	10 gallons	200 gallons

1 Part A + 3 Parts Water + Part B = Final Volume

Specifications:

pH at 70°F Part A only 5.10 to 5.40

pH at 70°F Part A and B 4.10 to 4.20

Specific gravity at 70°F 1.108 to 1.118

Replenishment Rates*

Film Sizes Processed	Processor Usage	Average Sheets of Film per 8 hours		Replenishment Rate per 14 inches (35 cm)
		With Standby	No Standby	
Mixed	High	115	225	70 cc
Mixed	Medium	80	175	85 cc
Mixed	Low	40	115	100 cc
14 x 17	High	75	150	85 cc
14 x 17	Medium	50	110	100 cc
14 x 17	Low	25	75	120 cc



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A CPAC Company

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MEDICAL IMAGING CHEMICALS

XRF-1 5™ X-Ray Fixer and Replenisher

FEATURES:

- suitable for all types and brands of medical and industrial X-Ray films
- formulated to provide excellent fixing and drying
- clean working
- non-corrosive
- non-sludging
- variable dilution
- rapid processing
- stable, long lasting
- cost effective

DESCRIPTION:

XRF-15™ Part A is a liquid concentrate fixer and replenisher available in 50 gallon drums that can be diluted with the appropriate amount of hardener and water to make 250 to 300 gallons depending upon the specific gravity required. The resulting fixer can be used with all brands and types of medical and industrial X-Ray films.

The Hardener XRF-15™ Part B was formulated to complement XRF-15™ Part A to make a clean **sludge-free** fixer which can be tailored to your specific needs. Each 4.5 gallon package of Part B can make 150 gallons of fixer when combined with Part A.

Product	Catalog Number	Fill	Volume
XRF-1 5™ Fixer and Replenisher	23017	Part A Part B	50 gallons 2 x 4.5 gallons

XRF-15™ Fixer

MIXING INSTRUCTIONS:

Water	Part A	Part B	Final Volume
192.5 gallons	50 gallons	7.5 gallons	250 gallons
216.75 gallons	50 gallons	8.25 gallons	275 gallons
241 gallons	50 gallons	9 gallons	300 gallons

Specifications:

pH at 70° F Part A only 4.95 to 5.25

pH at 70° F Part A and B 4.10 to 4.25

Specific Gravity:

Dilution	Specific Gravity at 70° F
250 gallons	1.090 to 1.098
275 gallons	1.082 to 1.092
300 gallons	1.078 to 1.088

Replenishment Rates*

Film Sizes Processed	Processor Usage	Average Sheets of Film per 8 hours		Replenishment Rate per 14 inches (35 cm) film travel		
		With Standby	No Standby	250 Gal.	275 Gal.	300 Gal.
Mixed	High	115	225	70 cc	72 cc	75 cc
Mixed	Medium	80	175	85 cc	87 cc	90 cc
Mixed	Low	40	115	100 cc	102 cc	105 cc
14x17	High	75	150	85 cc	87 cc	90 cc
14x17	Medium	50	110	100 cc	102 cc	105 cc
14x17	Low	25	75	120cc	122cc	125 cc

*Suggested starting replenishment rates may require adjustment based on processing conditions.



Corporate Headquarters
5440 Oakbrook Parkway
Norcross, GA 30093
800-262-9333 In GA 404-448-0250
FAX: 800-24-AUTEX or 404-448-0257

Western Region
16018 Adelante St., Suite D
Adelante Industrial Park
Irwindale, CA 91702
818-334-3983 FAX: 818-969-5525



Printed on Recycled Paper



KE Developer & Replenisher

FEATURES:

- Sensitometrically equivalent to Kodak® RP X-Omat® brand developer
- Works with all brands and types of X-ray film, particularly Kodak and single emulsion films
- Can be mixed manually or with Allied Auto Mixers using Autex® developer templates
- A true “drop-in” value priced developer---no need to dump mixer/replenisher tank or processor to convert from Kodak

DESCRIPTION:

KE is an all liquid, three-part developer packaged in an “easy-to-use” 2 x 5 gallon BiPak® for manual mixing or automatic mixer use. Also available in 200 gallon bulk kits.

Replenishment rates per Kodak RP X-Omat specifications.

Product	Catalog Number	Mix Size	Makes
KE Developer Concentrate	23514	BiPak® (2 x 5 gallons)	10 gallons ready-to-use
KE Developer Concentrate	23513	Bulk Kit	200 gallons ready-to-use
KE Starter	29015	4 x 1/2 gallon	2 gallons

MIXING INSTRUCTIONS:

To make 5 gallons:

Add 1 bottle Part A to 3 gallons, 5 pints of water and stir. Add contents of 1 bottle Part B, stir. Add 1 bottle Part C and mix thoroughly.*

To make 200 gallons:

Add Part A drum to 146.25 gallons of water, stir. Add contents of both bottles of Part B, stir. Add both bottles Part C and thoroughly mix.*

**Never mix concentrates together without wafer.*

SPECIFICATIONS:

pH 10.30 - 10.40
Specific Gravity 1.075 - 1.085

Kodak and RP X-Omat are registered trademarks of Eastman Kodak Company



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818-334-3983 Fax: 818-969-5525



Autex® SE

Developer & Replenisher

FEATURES:

- Cost effective
- Enhanced diagnostic images
- Clean working
- Designed for use with automatic processors
- Convenient mix size
- Excellent development latitude
- Long shelf life
- Maintains low base/fog at higher temperatures

DESCRIPTION:

Autex SE Developer and Replenisher three-part liquid concentrate is designed to meet the demands for higher incremental contrast, higher speed factors, and provides more useful diagnostic information. It is formulated to enhance diagnostic images in single emulsion applications such as mammography, CT and Ultrasound. Autex SE also provides greater development latitude on standard dual-coated medical films. It processes all types and brands of medical X-ray film in automatic roller transport processors with processing cycles of 90 seconds, to over 3 minutes, 30 seconds.

Product	Catalog Number	Mix Size
Autex® SE Developer & Replenisher	23015	BiPak® (2 x 5 gallons)
	23035	Bulk Kit (200 gallons)

Autex® SE Developer & Replenisher

Developer Replenisher Solution

Water	Part A	Part B	Part C	Final Volume
3 gallons + 82 ounces	1 bottle	1 bottle	1 bottle	5 gallons
7 gallons + 36 ounces	2 bottles	2 bottles	2 bottles	10 gallons
146 gallons	50 gallons	2 bottles	2 bottles	200 gallons

Replenisher Specifications:

pH at 70°F 10.45 to 10.55

Specific gravity at 70°F 1.075 ± 0.005

Developer Working Tank Solution

Replenisher	Starter
1 gallon	3 ounces
5 gallons	15 ounces
10 gallons	30 ounces

Working Tank Specifications:

pH at 70°F 10.20 to 10.30

Specific gravity at 70°F 1.075 ± 0.005

Replenishment Rates*

Film Sizes Processed	Processor Usage	Average Sheets of Film (per 8 hours)		Replenishment Rate per 14 Inches (35cm)
		With Standby	No Standby	
Mixed	High	115	225	65 ml
Mixed	Medium	80	175	80 ml
Mixed	Low	40	115	90 ml
14x17	High	75	150	65 ml
14x17	Medium	50	110	80 ml

**Suggested starting replenishment rates---may require adjustment based on processing conditions.*

MEDICAL CHEMISTRY

autex® LPM-400

X-Ray Developer and Replenisher

Features:

- cost effective
- suitable for all brands and types of X-Ray films
- clean working
- designed for use with automatic processors
- low fog with balanced speed and contrast for maximum detail
- excellent resistance to oxidation
- consistent quality
- high capacity

Description:

Autex® LPM-400 is a four-part, high quality liquid and powder bulk mix concentrate designed to provide convenient mixing of either 200 or 400 gallon batches at economical prices. LPM-400 is a clean working developer with excellent resistance to oxidation which compliments its superior sensitometry.

Although LPM-400 requires more handling to mix than all liquid bulk concentrates, you can save money and still enjoy all the benefits of **autex®** quality.

Product	Catalog Number	Part	Fill
autex® LPM-400 X-Ray Developer and Replenisher	23040	Part I Part II Part IV	50 gallons 2 cartons (powder) 2 x 1 gallon
Hydroquinone	74201	Part III	55 pounds powder

autex®

LPM-400 X-Ray Developer and Replenisher

MIXING INSTRUCTIONS

Developer Replenisher Solution:

Water	Part I	Part II	Part III (Hydroquinone)	Part IV	Final Volume
150 gallons 300 gallons	25 gallons 1 drum	1 carton (57.6 pounds) 2 cartons (115.2 pounds)	27.5 pounds 55 pounds	1 gallon 2 gallon	200 gallons 400 gallons

Replenisher Specifications:

pH at 70°F 10.50 to 10.60

Specific gravity at 70°F 1.068 to 1.078

Developer Working Tank Solution:

Replenisher	Starter
1 gallon	3 ounces
5 gallons	15 ounces
10 gallons	30 ounces
20 gallons	60 ounces

Working Tank Specifications:

pH at 70°F 10.20 to 10.30

Specific gravity at 70°F 1.068 to 1.078

Replenishment Rates*

Film Sizes Processed	Processor Usage	Average Sheets of Film per 8 hours		Replenishment Rate per 14 inches (35 cm)
		With Standby	No Standby	
Mixed	High	115	225	50 ml
Mixed	Medium	80	175	65 ml
Mixed	Low	40	115	80 ml
14 x 17	High	75	150	80 ml
14 x 17	Medium	50	110	80 ml
14 x 17	Low	25	75	90 ml

*Suggested staffing replenishment rates may require adjustment based on processing conditions.



ALLIED

Diagnostic Imaging Resources, inc.
A CPAC Company

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Los Angeles Manufacturing Facility:

16018 Adelante St., Suite D
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Irwindale, CA 91702
(818) 334-3983; FAX: (818) 989-5525

Lit . No. MC0012-00 10/94



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Autex® RP

Developer & Replenisher

FEATURES:

- Suitable for all brands of medical X-ray film
- Clean working
- Cost effective
- Designed for use with automatic mixers
- Balanced to provide low fog, high speed and good toe contrast
- Excellent latitude
- Long shelf life
- High D-Max

DESCRIPTION:

Autex RP Developer and Replenisher is a three-part liquid concentrate. It processes all types and brands of medical X-ray film in automatic roller transport processors with processing cycles of 90 seconds, to over 3 minutes, 30 seconds.

Autex RP is available in convenient 2 x 5 gallon BiPak® and economical 200 gallon bulk kits.

Product	Catalog Number	Mix Size
Autex® RP Automatic Developer & Replenisher	23014	BiPak® (2 x 5 gallons)
	23013	Bulk Kit (200 gallons)

Autex® RP Automatic Developer & Replenisher

Developer Replenisher Solution

Water	Pat-t A	Part B	Part C	Final Volume
3 gallons + 82 ounces	1 bottle	1 bottle	1 bottle	5 gallons
7 gallons + 38 ounces	2 bottles	2 bottles	2 bottles	10 gallons
145.5 gallons	50 gallons	2.5 gallons	2 bottles	200 gallons

Replenisher Specifications:

pH at 70°F 10.45 to 10.55

Specific gravity at 70°F 1.070 to 1.080

Developer Working Tank Solution

Replenisher	Starter
1 gallon	3 ounces
5 gallons	15 ounces
10 gallons	30 ounces
20 gallons	60 ounces

Working Tank Specifications:

pH at 70°F 10.20 to 10.30

Specific gravity at 70°F 1.070 to 1.080

Replenishment Rates*

Film Sizes Processed	Processor Usage	Average Sheets of Film (per 8 hours)		Replenishment Rate per 14 Inches (35cm)
		With Standby	No Standby	
Mixed	High	115	225	50 ml
Mixed	Medium	80	175	65 ml
Mixed	Low	40	115	80 ml
14x17	High	75	150	80 ml
14x17	Medium	50	110	80 ml
14x17	Low	25	75	90 ml

*Suggested starting replenishment rates---may require adjustment based on processing conditions.

MEDICAL IMAGING CHEMICALS

autex® UV Automatic Developer and Replenisher *For Du Pont Ultra-Vision® Film*

Features:

- formulated for use with Du Pont Ultra-Vision® medical X-Ray film
- works well with all other DuPont films
- clean working
- cost effective
- designed for use with automatic mixers
- balanced to provide low fog, **high-speed** and good toe contrast
- excellent latitude
- long shelf-life
- convenient mix sizes
- high D-Max

Description:

Autex® UV Automatic Developer and Replenisher is a liquid three-part concentrate designed for optimum processing of Du Pont **Ultra-Vision™** film in conventional 90 second roller transport processors. **Autex®** UV is designed to maintain low base + fog while yielding a high D-Max with good toe contrast. It can also be used for processing most other types and brands of medical X-Ray film in automatic roller transport processors with processing cycles of 90 seconds and **longerto** over 3 minutes, 30 seconds. It is available as a 2 x 5 gallon **BiPak®** and a 200 gallon bulk mix.

Product	Catalog Number	Mix Size	Fill
autex® UV Automatic Developer and Replenisher	23014-W	BiPak® (2 x 5 gallons)	2 x 1.25 gallons Part A 2 x 8 ounces Part B 2x 160 cc Part C
	23013-W	200 gallons	1 x 50 gallons Part A 2 x 1.25 gallons Part B 2 x 1.25 gallons Part C

autex[®] UV

Automatic Developer and Replenisher

MIXING INSTRUCTIONS:

Developer Replenisher Solution:

Water	Part A	Part B	Part C	Final Volume
3 gallons + 82 ounces	1 bottle	1 bottle	1 bottle	5 gallons
7 gallons + 38 ounces	2 bottles	2 bottles	2 bottles	10 gallons
14 gallons + 75 ounces	4 bottles	4 bottles	4 bottles	20 gallons
145 gallons	50 gallons	2.5 gallons	2.5 gallons	200 gallons

Replenisher Specifications:

pH at 70°F 10.45 to 10.55

Specific gravity at 70°F 1.070 to 1.080

Developer Working Tank Solution:

Replenisher	Starter
1 gallon	3 ounces
5 gallons	15 ounces
10 gallons	30 ounces
20 gallons	60 ounces

Working Tank Specifications:

pH at 70°F 10.20 to 10.30

Replenishment Rates*

Film Sizes Processed	Processor Usage	Average Sheets of Film per 8 hours		Replenishment Rate per 14 inches (35 cm)
		With Standby	No Standby	
Mixed	High	115	225	50 ml
Mixed	Medium	80	175	65 ml
Mixed	Low	40	115	80 ml
14 x 17	High	75	150	80 ml
14 x 17	Medium	50	110	80 ml
14 x 17	Low	25	75	90 ml

* Suggested starting replenishment rates, may require adjustment based on processing conditions.



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Use of Fixer Svstems Cleaner

This product is specifically formulated to speed removal of deposits, including metallic silver, from fixer racks in automatic medical x-ray processors when used as follows:

1. In a plastic pail or other suitable container, dilute the contents of this bottle with water to make 1 gallon of working strength cleaner.
2. Soak the fixer rack for ten to fifteen minutes in the cleaning solution. Wearing rubber gloves, rotate the rollers periodically to ensure that all of the roller surfaces are cleaned.
3. Chemical deposits may be removed with a soft brush or lint-free cloth.
4. Thoroughly rinse the rack under warm running water while rotating the rollers.
5. Allow excess water to drain and return rack to fixer section of processor.



Preferred Silver Refining Rates for Autex Dealers

1. Electrolytic Flake:

Refining Charge:	\$0.23 per net troy ounce received
Metal Accountability:	100%
Market Accountability:	Full Handy & Harman (100%)
Settlement Time:	10 business days after receipt of flake
Insurance:	Paid by Allied
Assay Charge:	None
Individual Lot Refining:	No Charge
Choice of Payment:	Check, silver bars, rounds or our free, secure silver banking service

2. Cartridge/Sludge:

Refining Charge:	10%
Minimum Charge:	\$35.00 per lot *
Metal Accountability:	100%
Market Accountability:	Full Handy & Harman (100%)
Settlement Time:	10 business days after receipt of cartridges
Insurance:	Paid by Allied
Assay Charge:	None
Choice of Payment:	Check, silver bars, rounds, or our free, secure silver banking service

*Lot Size: 3 five gallon (or smaller) cartridges, 1 fifteen gallon cartridge, 10 mini cartridges.
Each item will be refined as an individual lot unless otherwise indicated on the packing slip.

Ship to:

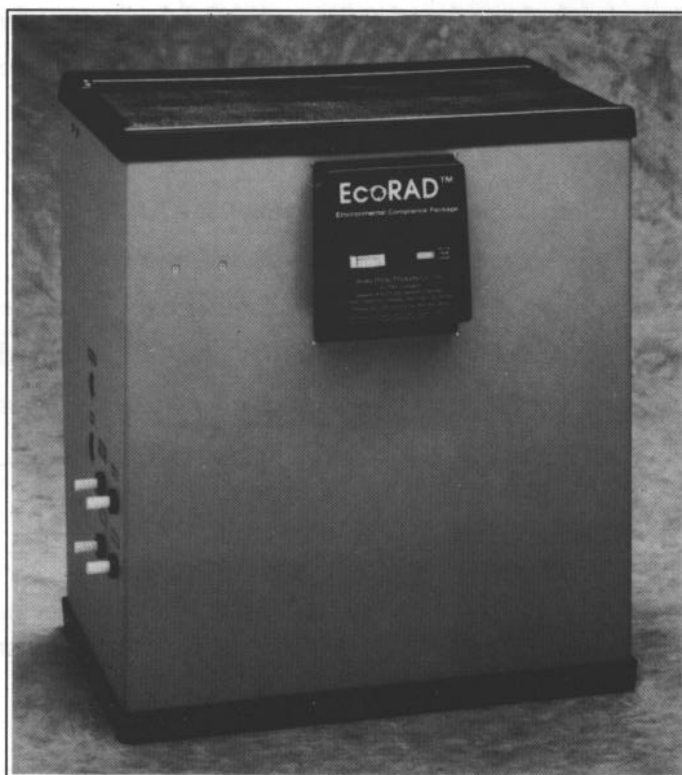
Autex Refining Services
1520 Pioneer Road
Salt Lake City, UT 84104
800-934-9234

With increasingly more stringent environmental impact regulations and tougher enforcement, X-Ray film processing facilities are turning to ALLIED Diagnostic Imaging Resources, Inc. for help.

The autex® *Environmental Compliance Package* (ECP) was designed specifically for X-Ray applications as part of ALLIED's unique national EcoRAD™ program.*

This preplumbed, easy-to-install system provides 3-step treatment of X-Ray film processing chemical effluent to ensure compliance with environmental impact regulations.

**NOTE: Purchase of an ECP system does not constitute enrollment in the EcoRAD™ program*



ECP cabinet style. Wall mount and low volume models are also available.

autex®

*Environmental
Compliance
Package™
(ECP)*

*A simple 3-step
system to treat
film processing
effluent in X-Ray
facilities*

From the makers of autex® chemistry

*The ECP is
available in three
configurations
to fit easily near
any film processor,
even where space
is limited.*

How the ECP works:

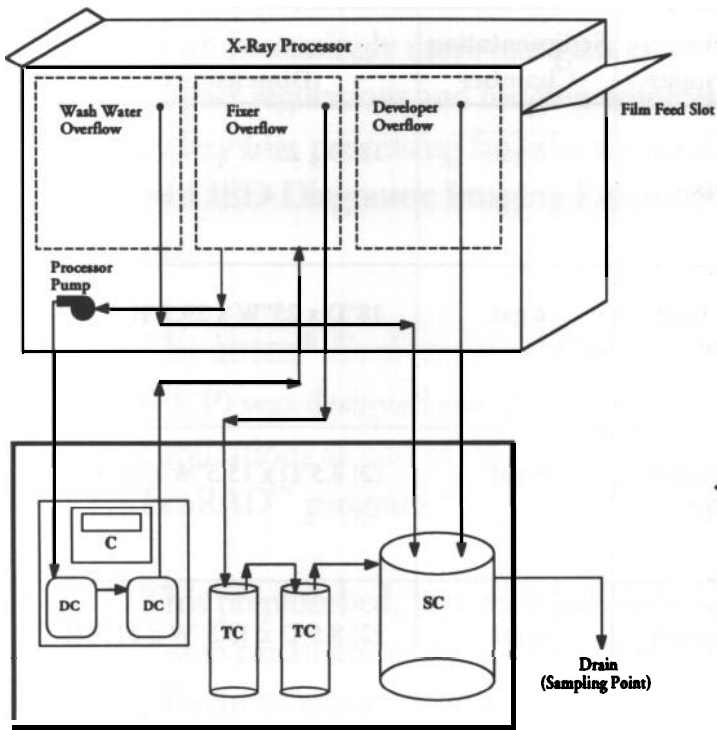
Step 1 An on-line closed-loop automatically controlled electrolytic system continuously removes silver **from** the **fixer** bath. This **minimizes** the carry-out of silver to the wash bath. Silver is recovered in a replaceable plastic **container** (cathode) which is easily removed by hand for shipment to ALLIED's silver **recycling facility**.

Step 2 Even though the **fixer** is **continuously** recirculated, some will overflow the loop as **fresh** fixer is replenished. This overflow fixer contains 300 to 500 parts per million (ppm) of silver. A unique extended life wire mesh metallic replacement cell is used to further reduce the silver content of the fixer overflow to approximately 5 ppm. These cylindrical wire mesh cores are easily removed for transportation and **recycling**.

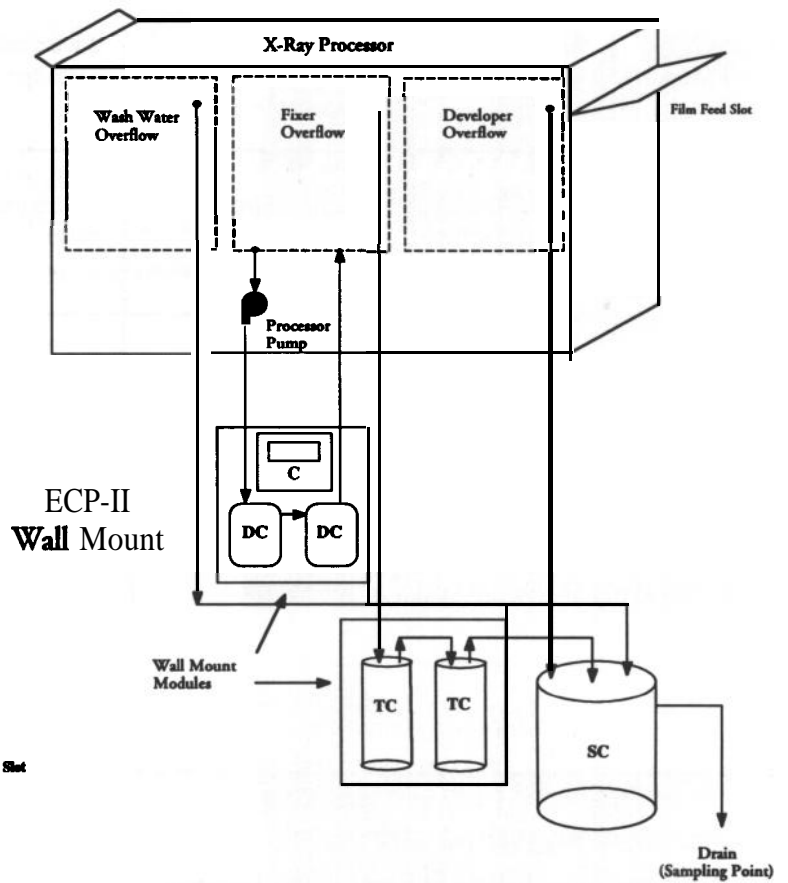
Step 3 An **effluent** sedimentation and **neutralization** tank combines **desilvered** fixer, spent developer and wash water overflow. A single **discharge** line to the drain allows for easy environmental compliance sampling. The **pH neutralized effluent from** this sampling point will normally have a silver concentration of less than 2 ppm and as low as 0.05 ppm, Biological Oxygen Demand (**BOD**) value of 220 **mg/l**, and **pH** value of 7.2.

NOTE: A *specific silver concentration guarantee can not be given due to the wide variation in processor types and operation (e.g. replenishment rates), chemical formulations, and film types commonly used*

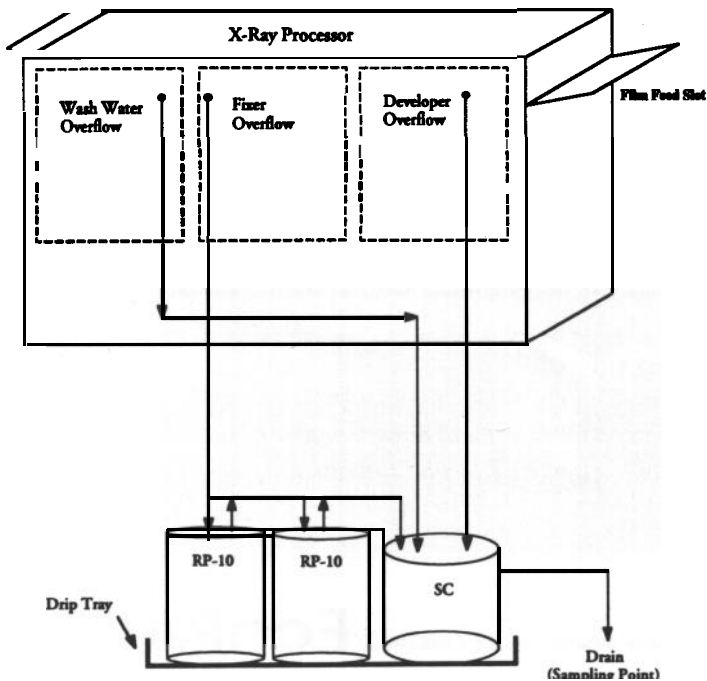
Flow Diagrams



ECP-II Cabinet



ECP-II
Wall Mount



ECP-LV Low Volume

Abbreviation Key

- TC = Tailing Cartridge
- SC = Sedimentation Chamber
- DC = Disposable Cartridge
- C = Controller
- RP-10 = RePAC™ - 10 metallic exchange cartridge

Environmental Compliance Packages

Model	Capacity	Electrolytic Cell	Tailing Cartridges	Sedimentation Chamber	Dimensions
ECP-I Cabinet	up to 7.0 gal. fixer/day	Auto Controller with single 1/2 gal. disposable cathode	2 wire mesh cartridges	6 gal.	18"D x 25"W x 29.5"H
ECP-II Cabinet	up to 12.0 gal. fixer/day	Auto Controller with two 1/2 gal. disposable cathodes	2 wire mesh cartridges	6 gal.	18"D x 25"W x 29.5"H
ECP-I Wall Mount	up to 7.0 gal. fixer/day	Auto Controller with single 1/2 gal. disposable cathode	2 wire mesh cartridges	6 gal.	(2) 8.5"D x 15.5"W x 22.5"H
ECP-II Wall Mount	up to 12.0 gal. fixer/day	Auto Controller with two 1/2 gal. disposable cathodes	2 wire mesh cartridges	6 gal.	(2) 8.5"D x 15.5"W x 22.5"H
ECP-LV Low-volume	up to 2 gal. fixer/day	N/A	2 RePAC™ -10 wire mesh cartridges	3.5 gal.	16"D x 28W" x 25"H

Technical Data/Application Notes

Electrical: 115 **Volt AC, 60 Hz**
(N/A on ECP-LV)

Materials of Construction: Corrosion-proof ABS plastic and high density polyethylene

Cabinet and Wall Mount model can be upgraded in the field from an ECP-I (single cathode) to ECP-II (dual cathode) configuration. Both systems come plumbed with additional hardware and tubing for easy installation.

'Silver Recycling Made Easy

Exhausted, silver-bearing cathodes, metallic replacement cartridges and cores, plus sedimentation canisters should be sent to an environmentally **secure** silver **recycler**. ALLIED offers this service: please call 800-262-9333 for a free brochure on autex® silver recycling services including guidelines on meeting RCRA and DOT shipping regulations.

Environmental Impart Audits

For assistance in determining your local silver limit and how to select the autex® ECP that is right for your facility -- call 800-262-9333. Prepaid chemical sample kits are available to give you highly accurate atomic absorption analysis of your film processing effluent.

*To order contact your local **autex®** dealer or call for the **autex®** authorized ECP dealer nearest you.*



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Lit. No. **MC0003-01 5/94**

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EcoRAD™



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Autex®

AutoMixer

General Information

Autex AutoMixer mixes concentrate developer and fixer with water to meet precise specific gravity specifications. The user simply uncaps the concentrate bottles, places them in proper order in the bottle wells, and pushes down to start the automatic mixing sequence. Bottle punches are stationary and recessed-no danger from moving knife-like piercing systems. Water jets thoroughly mix the chemistry with no adjustments needed. Autex AutoMixer introduces the correct amount of water based on desired specific gravity of the completed mixture. The processor replenishment pumps draw chemistry from the mixer tanks as required.

Versatile 5 & 10 Gallon Mix

Autex AutoMixer accurately mixes 5 and 10 gallons of working solution. After the first five gallons are added, an additional five gallons may be mixed, allowing a larger volume of working solution to be available when needed.

Low & High Level Warning

Audible and visual signals alert personnel for easy mixing of fresh Autex chemistries. The alarm will be activated if either tank senses a low level, and an LED will illuminate when there is enough room in the tank to mix another five gallon batch.

Specific Gravity Floats

Precisely machined plastic floats shut off the flow of incoming water when a batch of developer or fixer has been mixed to the proper specific gravity. Unlike unsophisticated "volumetric" mixers, Autex AutoMixer delivers properly mixed chemicals, batch after batch.

Two Sizes Available



Clean Work Area

Compact Autex AutoMixer eliminates the need for large bulky storage tanks and needless spills and splashes.

Simplified Maintenance and Safety

All internal electrical circuitry operates at 24 volts, and is simplified for easy maintenance. The electrical connections are under one housing in the center of the unit.

Autex® *Automatic Chemical Mixer Specifications*

	Autex AutoMixer	Space Saver
Electrical Wall Outlet	External Transformer 115VAC, 50/60 Hz, 36W 24 VAC	External Transformer 115VAC, 50/60 Hz, 36W 24 VAC
Tank Capacity	12.5 gallons each 47 liters each	7.5 gallons each 28 liters each
Dimensions	16" D x 23 3/4" W x 32 1/2" H 41 cm. x 60 cm. x 83 cm.	16" D x 23 3/4" W x 22" H 41 cm. x 60 cm. x 56 cm.
Materials	Polyethylene & Corrosion Proof ABS	Polyethylene & Corrosion Proof ABS
Water Supply Fittings	Std. Female 3/4" (2cm.) Washing Machine Hose Fitting 20 to 120 psi	Std. Female 3/4" (2cm.) Washing Machine Hose Fitting 20 to 120 psi
Tubing	Not Supplied	Not Supplied
Net Weight	34 lbs. 15 kg	26 lbs. 12 kg
Shipping Weight	44 lbs. 20 kg	34 lbs. 15 kg
U.L. Listing	E64395	E64395

Your local authorized Autex dealer:

@ALLIED
DIAGNOSTIC IMAGING RESOURCES, INC.

5440 Oakbrook Parkway, Norcross, Georgia 30093
Toll Free (800) 262-9333 • Local (770) 448-0250 • FAX (770) 448-0257

Closed-Loop Fixer and Wash Water Recirculation For Graphic Arts and Medical X-ray Processes

Accu-Fix™



Simple and reliable closed-loop fixer recirculation is possible with this innovative electrolytic silver recovery unit. **Accu-Fix** reduces fixer consumption by 50-70%, depending on the type of chemistry used. In addition, Accu-Fix desilters to less than 1 .0 part per million (ppm) when used in conjunction with new Accu-Wash water recycling unit.

Features and Benefits:

- Reliable automatic silver and film sensing circuit
- Plating time indicator
- Film counter
- Amperage, time and set point adjustment switches
- Digital and sequence status display
- Disposable cathodes for more convenient silver harvesting

Accu-Wash™



New Accu-Wash automatic recirculation system reduces wash water consumption up to 95%. Its microprocessor controls allow the operator to choose either five or ten gallon recirculation volume. With a unique two-tank design, including tailing cartridge, Accu-Wash automatically refills with recycled wash water after treatment. When used to treat wash water only, this unit desilters to less than 0.25 ppm. When used to treat combined wash water and fixer overflow, silver-to-drain results are less than 1.0 ppm.

Features and Benefits:

- Programmable cycle timer allows for cycle setting
- Separate recirculating and discharge pumps
- Cartridge change indicator and timer
- Digital display indicates cycle times
- Biocide feed system prevents biological growth
- Computer controlled for automatic and easy operation
- Automatic filling and discharging of wash water

Manufactured by

CPAC Equipment Division

2364 Leicester Rd., P.O. Box 175 • Leicester, New York 14481 • Telephone (716) 382-3223 • Fax (716) 382-9481

Specifications

Accu-Fix

Recovery Rate: 0.5 T.O./hour
Plating Current: 0-4Amps
Electrical: 115 VAC/ 60 Hz or
230 VAC/ 50 Hz
Application Range: 0 - 8 gallons (0-30ℓ) per day
System Dimensions: 11" W x 9"D x 32"H
Shipping Weight: 40 lbs. (18 kilograms)

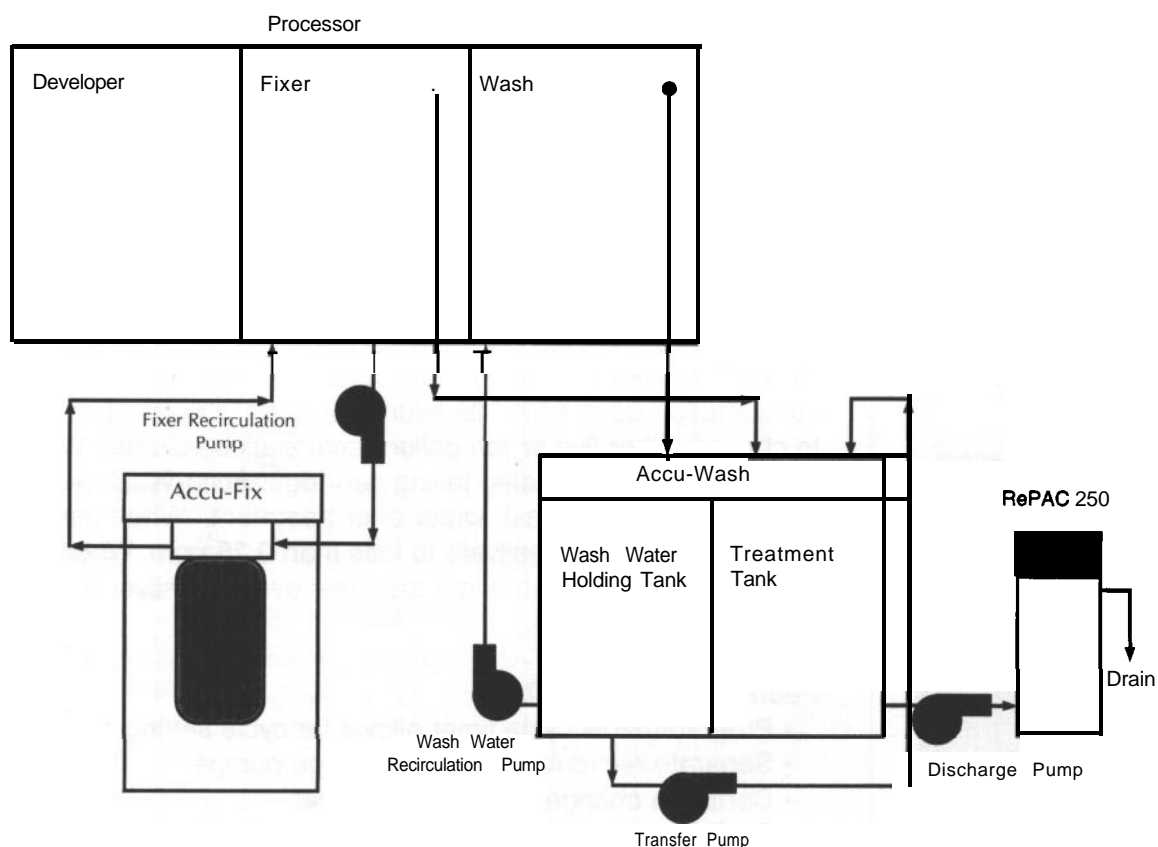
Materials of Construction:
Frame: Plastic
Electrical Enclosure: Fiberglass

Accu-Wash

Batch Size: 5 or 10 gallons (19 or 38ℓ)
Holding Tank: 12 gallons (45ℓ)
Treatment Tank: 12 gallons (45ℓ)
Electrical: 115 VAC/ 60 Hz or
230 VAC/ 50 Hz
Batch Timer Range: 0 - 280 hours
System Dimensions: 24" W x 20"D x 30"H
Shipping Weight: 60 lbs. (27 kilograms)

Materials of Construction:
Frame and Tanks: Plastic
Electrical Enclosure: Fiberglass

Typical Installation



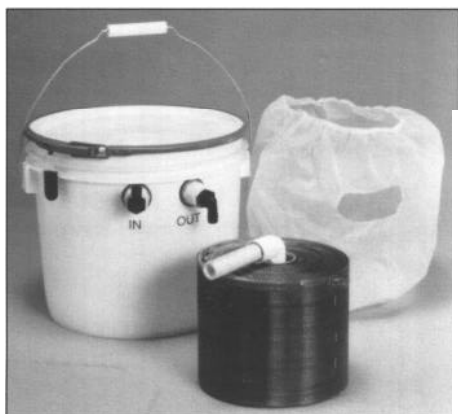
CPAC Equipment Division
2364 Leicester Road P. O. Box 175 . Leicester, New York 14481
Telephone (716) 382-3223 . Fax (716) 382-9481



Autex®

Silver Recovery Systems and Silver Refining Services

RePAC-10



RePAC-10 silver recovery cartridge desilters to extremely low silver levels when used as a primary or tailing unit. The system features a replaceable 10 pound iron core enclosed in a mesh bag for easy cleaning, removal and replacement.

<u>Cat. No.</u>	<u>Product Description</u>
RePAC-10 System	3.5 gallon Reusable Canister with 10 lb. Iron Mesh Core
RePAC-10 Core	10 lb. Iron Mesh Core Only

Note: Contact our Refining Specialist at 800-934-9234 for instructions on washing and transportation of silver-laden mesh cartridges and cores.

Replacement Cores

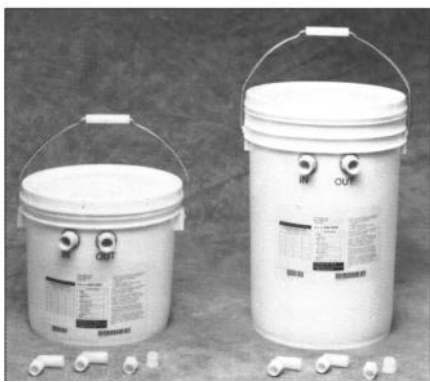


Iron mesh replacement cores for the Tandem™ 100 and 200 systems.

<u>Cat. No.</u>	<u>Product Description</u>
Core-T 200*	Tandem 200 Replacement Core, 6 lb. Iron Mesh
Core-T 100*	Tandem 100 Replacement Core, 4 lb. Iron Mesh

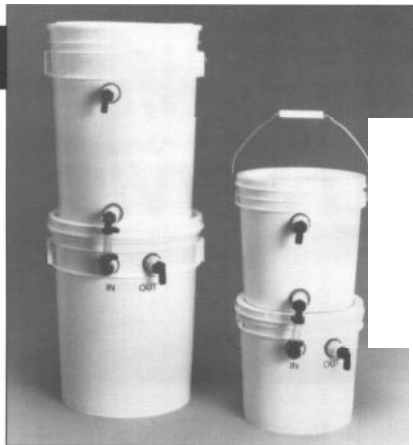
* Does not include canister.

Steel Wool Cartridges



These spun steel wool cartridges can be used for primary recovery or as a tailing unit with electrolytic systems. Using a side port design, these stackable cartridges maximize recovery efficiency and minimize environmental impact.

<u>Cat. No.</u>	<u>Product Description</u>
c-2s	Autex Steel Wool Cartridge, 2 gallon
c-5s	Autex Steel Wool Cartridge, 5 gallon



Trickle Tank™

Trickle Tank is an effective and inexpensive way for low volume X-ray users to desilver to 5 ppm or less. Installation is easy...simply place Trickle Tank on top of a side port silver recovery cartridge and connect with the tubing and clamps provided. Available in 2 and 5 gallon sizes.

Cat. No.

TT-5*

TT-2*

Product Description

Trickle Tank 5 gallon

Trickle Tank 2 gallon

*Does not include metallic replacement cartridge.

MDSM7 Cartridge

This unique metallic exchange cartridge was developed especially for "low clearance" processors (installed without a base stand). It's ideal for primary or secondary recovery, and specially designed to fit Kodak M7 and DuPont QC series processors. MDSM7 works well with processors mounted in line with a film transport/imaging

system, e.g. Alphatek AX700, AFP 14X, Fisher OU. After rinsing, the entire core can be shipped to a refinery as "non-hazardous" material.

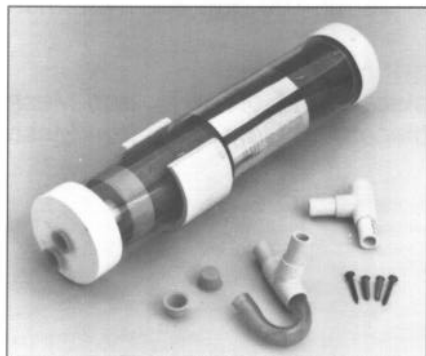
Cat No.

MDSM7

Product Description

MDSM7 Metallic Exchange Cartridge

Mini Cartridge



The Mini cartridge is designed for low volume fixer applications, including X-ray facilities, dental offices, and vet clinics. This highly efficient, compact 3/4 gallon cartridge has a patented copper-coated iron mesh core that prevents clogging. Available with or without mounting hardware.

Cat. No.

MC-W

MC-WO

Product Description

Mini Cartridge with Hardware

Mini Cartridge without Hardware

Autex Refining Services

Autex Refining Services reduces your environmental and financial risk:

1. We minimize your cradle-to-grave liability. All material you send for refining is converted into usable product -- no waste is generated.
2. Your shipment is fully insured from the time it leaves your hands until you receive payment, and legal title remains with you. We settle within 10 business days based on the Handy & Harman market. Flexible payment options -- cash, bullion and banking (at no cost). There are no "hidden" charges.

For information on Autex Refining Services call our Refining Specialist at 800-934-9234.



Autex

Refining Services

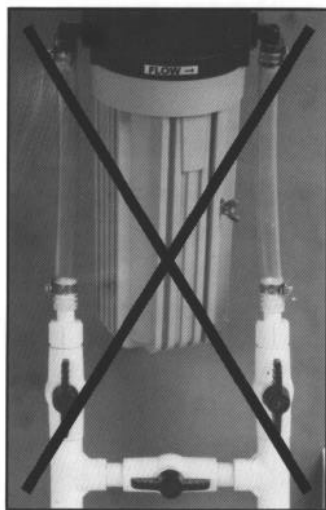
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*Eliminate pounding and
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recovered silver!*

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- Adaptor instantly converts a water filter-type electrolytic unit to convenient, clear plastic disposable collection cell technology.
- Larger cathode area for a lower current density, better operation, and less frequent harvesting.
- Direct cathode electrical contact improves reliability and performance.
- All the silver remains in the cathode for easy handling -- simply remove and drain, rinse, replace the cap, and ship for refining.
- Refining services available with an introductory rebate.
- Silver recovery becomes fast, simple and cost effective!



CA-1 Adaptor



DC 90 Cathode
Standard 90 oz. size
for use with thinner
or thicker anode
rod type units.
200 Troy oz. capacity.

or



DC 128 Cathode
Jumbo 128 oz. size
for use with thicker
anode rod type units.
400 Troy oz. capacity.



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SpillPAC II Spill Containment

To absorb chemical spills fast, Allied offers a convenient assortment of **Hazorb®** brand highly absorbent 'socks' and 'pillows' packaged in a resealable 6 gallon plastic pail. Each **SpillPAC** safely picks up 4.5 gallons of chemicals. Kit includes: 4 ea. 48" long tubular sorbent 'socks', 2 ea. 8 1/2" x 17" sorbent pillows, 4 ea. 4" x 11" sorbent 'pint size' pillows, and 1 ea. EPA hazardous waste ID label. Packaged and shipped in a D.O.T. approved container.

Note: Once the pillows are utilized for a chemical spill, contact a licensed waste hauling company for appropriate disposal according to Haz Mat regulations.

Cat. No. 774160

Price 99.00

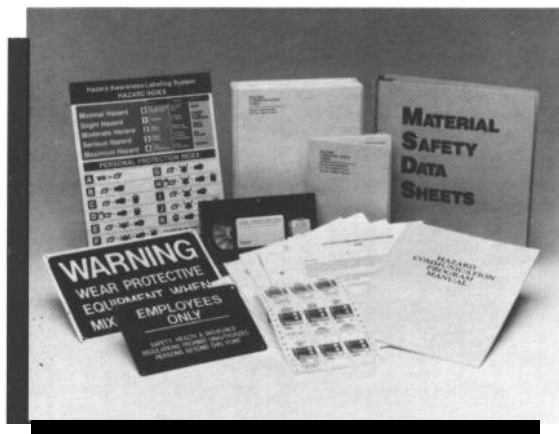
OPTI-KLENS™ OK-II Eye/Face Wash

Although goggles should be worn when handling chemistry, accidents do happen. If an employee gets chemistry in his eyes, OK-II provides immediate first aid to effectively flush the eyes in accordance with OSHA regulations. OK-II meets ANSI standard Z 358.1, and installs in minutes on any sink-no special plumbing required.

Note: For cold water connection only. Do not install on sinks with a hot water feed line.

Cat. No. 770057

Price 99.00



OSHA Haz Comm Training Kits

Allied's Haz Comm Training Kit assists X-Ray facilities in meeting OSHA's Hazardous Communication Standard, also known as the employee **Right-To-Know** law. Under this law OSHA requires all employers who use chemicals in the workplace to provide employee training and information on the hazards of these chemicals. Each kit contains a trainer Haz Comm guide, warning signs, Haz Comm manual, **HMIS** sign and labels, and employee training certificates. Available with or without 20 minute training video.

Cat. No. 774063 (with Video)

Price 289.00

Cat. No. 774064 (without Video)

Price 99.00

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The best cleaner for Film Processor Drains is also the easiest to use.



Fotex Drain Clear was the first drain cleaner specially formulated for film processor drains.

And now Fotex is available in new "single-Shot" pre-measured plastic packets that are easier to use, take the guesswork out of dosage and retain chemical freshness till opened.

Just snip off the corner of a Fotex packet, pour and you'll gain these Fotex advantages:

- Fotex dissolves and removes chemical deposits that organic cleaners can't budge.

- Fotex reduces drain repair and replacement.
- Fotex reduces costly processor downtime.
- Fotex reduces flooding and shock hazards.
- Fotex can eliminate OSHA violations due to recurring hazardous conditions.

Fotex is available 12 packets per box, 3 boxes per carton from dealers throughout the U.S., Canada and Europe. Call or write for current pricing.

USI Ltd., Box 835, West Bend, WI 53095
414-334-3000 FAX 414-334-6222



- Dissolves and removes chemical deposits that organic cleaners can't budge
- Eliminates drain repair and replacement
- Reduces costly downtime
- Removes flooding and shock hazards
- Can eliminate OSHA violations due to recurring hazardous conditions

Fotex Drain Clear is especially compounded to react with and dissolve chemical residue deposits, commonly found in PHOTOGRAPHIC and X-RAY PROCESSOR DRAINS.

Ordinary drain cleaners are designed to dissolve foreign matter accumulated in drain traps. This foreign matter must be organic in nature in order for most commercial drain cleaners to be effective. Ordinary drain cleaners will, therefore, not effectively remove chemical deposits. Chemical residue deposits found in processor drains gradually build up along the entire inside surface area of the drain pipe. Inevitably these deposits will completely restrict the flow of effluent through them, causing drain backup and resulting in flooding conditions. When the drains reach this restricted condition, they must often be replaced or mechanically cleaned out if possible.

Fotex Drain Clear will dissolve these deposits, but severely restricted drains may require initial mechanical cleaning. Fotex Drain Clear is an extremely efficient preventative, maintenance product. Regular and consistent use will discourage the chemical deposits from accumulating within the drain system.

When initially using Fotex Drain Clear, it will be beneficial to use more than the recommended amount, more frequently, to help remove previously deposited material from the drain systems.

Fotex Drain Clear is a safe, easy, clean, inexpensive method to reduce your maintenance costs, protect your equipment and insure the safety of your personnel.

Fotex industrial cleaner is a product of...



SPECIALLY FORMULATED TO DISSOLVE AND REMOVE CHEMICAL DEPOSITS FROM

**X-RAY & PHOTOGRAPHIC
PROCESSOR DRAINS**

• FAST ACTING • PREVENTS COSTLY REPAIRS



an environmental
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CAUTION-READ INSTRUCTIONS BEFORE USING

**CONVENIENT
SINGLE
TREATMENT
PACKETS**

Distributed By:

Autex Refining Services, a CPAC, Inc. company, makes your environmental and financial concerns its top priority. We're in the business of providing the most environmentally sound, cost effective, and technically efficient refining services in the industry.

How does Autex Refining reduce environmental risk?

By "recycling" your silver, we eliminate your cradle-to-grave liability. We operate at zero discharge — our refining process does not produce any waste to a landfill, sewage treatment plant, or disposal facility for which you, as the generator, are ultimately responsible. **All** silver-bearing material you send is converted into two products, high grade bullion and silver bearing slag. The bullion is marketed to silver consuming industries. The slag, even though it passes toxicity tests for disposal, is **not** deposited in a landfill. It is our policy for both environmental and economic reasons to sell the slag to a low grade smelter, who performs the final silver extraction. The material left over from this process can be used in a variety of ways, such as in paving and construction.

How is financial risk minimized?

Autex Refining has had a financially sound record for decades — no competitors can match our record for financial reliability, even during the silver crisis in the early 80's. We guarantee payment on all the silver you ship to us for refining. Your shipment is fully insured from the time it leaves your hands until you receive payment. The title to your silver remains with you until you receive payment.. it's always in **your** name. We settle your return quickly and efficiently, within 10 business days based on the

Handy & Harman market. What's more, there are no "hidden costs" with Autex Refining -what we quote you up front is what you pay. Unlike other refiners, we won't offer you a seemingly low refining rate and then tack on "extra" charges to your settlement.

Flexible payment options

- **Cash** — If you elect cash payment, your check will be mailed two days after settlement.
- **Wire Transfer** — We will wire transfer your settlement check directly to your bank.
- **Silver Return** — **You** can have your scrap silver converted to 99.9% pure bullion silver bars or rounds.
- **Consignment/Pool Account** — Your precious metal is held, ready to sell, in an internationally known silver storage vault. This option lets you watch the market and sell your silver by calling the refinery at 801-263-2863 between 10:00 a.m. and 11:00 a.m. EST.

How else can I benefit?

In addition to silver refining services, the CPAC family of companies provides a full range of processing products, including premium grade chemistry, silver recovery equipment, environmental and OSHA supplies and assistance, automatic mixers, and quality control and maintenance products. We can help you maintain an efficient, profitable chemical management and compliance program.

For more information on how Autex Refining can reduce your environmental and financial risk, call our Silver Specialist at 800-934-9234.

