

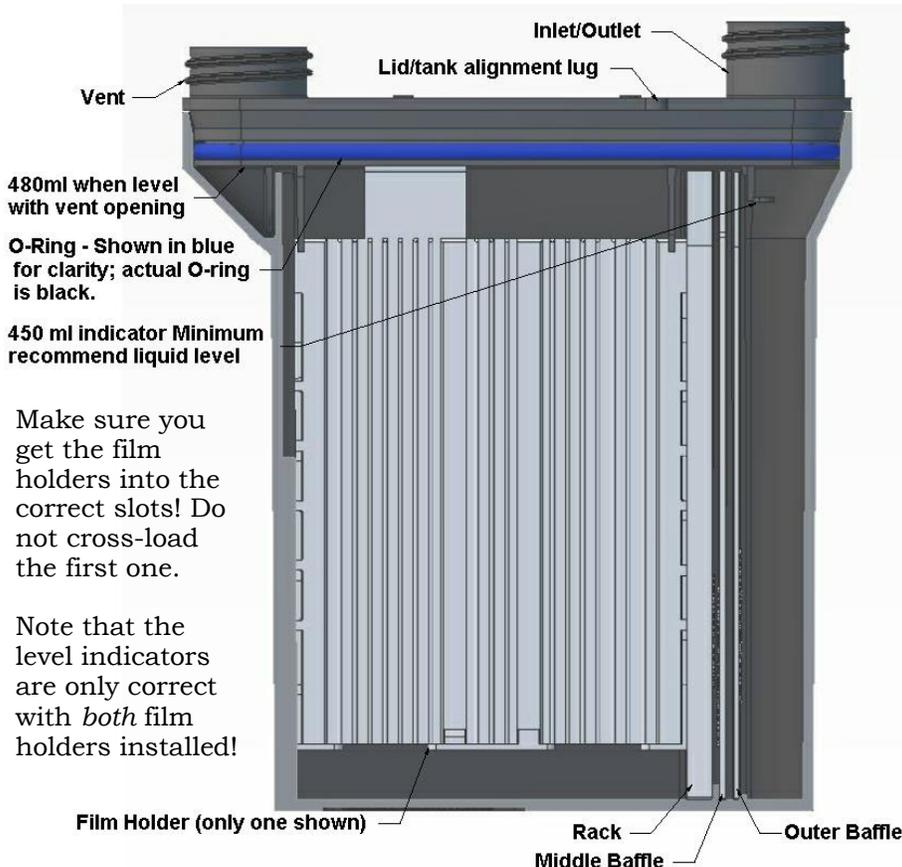
SP-445

4" x 5" Sheet Film Processing System



- Process up to four sheets of 4x5 film at a time.
- Uses only 16 oz (475ml) of solution.
- Easy to load: just like a film holder.
- Daylight safe.
- Fills and drains quickly.
- Inversion agitation for uniform development.
- Built-in liquid level indicators.
- Easy use of a thermometer during processing.
- Rugged ABS plastic.

Getting started checklist:



- Make sure the O-ring seal is properly seated in the groove in the lid.
- Check that the "Rack" is orientated with the slots for the film holders facing inside the tank.
- Confirm that the baffles are in the correct slots (see diagram).
- Check to make sure that the film holder's "fingers" are free from any molding "flash".
- Make sure the notches in the hold-down lugs allow the lid to close with the film holders in place.
- Wet the O-ring with water and seat the lid several times to make sure everything slides together easily. Use the alignment lugs to determine the orientation.
- Verify that the caps have seals in them and that they fit correctly on the lid. Don't over tighten.

We suggest that you practice loading the film holders in daylight with scrap film. You should also practice loading the film holder into the tank. Now do it with your eyes closed.

Introduction to the SP-445

Loading the tank:

Remove the lid and both film holders. Make sure rack and baffles are correctly installed.

You probably need to do the next steps in complete darkness.

Holding the film holder in one hand, carefully slide a sheet of film into place, emulsion side up.

Repeat for the other side.

Slide the film holder into the tank. *Be careful to get it in the corresponding slots.*

Load the other film holder and slide it into the tank.

Use the locator nubs to align the lid with the tank.

Press the lid into place.

Note: one port is marked Fill/Drain and the other is marked Vent.

Always fill and empty the tank using the Fill/Drain port.

Filling the tank:

1. Remove both caps.
2. Quickly fill the tank (via the *Fill/Drain Port.*)
3. Start your timer. (It is important to be consistent.)
4. Tap the tank firmly on the bench to dislodge any air bubbles
5. Install the *vent* cap.
6. While gently squeezing the tank, (you can see the liquid level in *Fill/Drain* outlet rise a bit), install the *Fill/Drain* cap.
7. Start agitation by inverting the tank, holding it inverted for 1 second, then turning it right side up for 1 second.

Agitation: Everyone one has their own technique, so you'll want to experiment. However, we've found that 4 inversion cycles every 30 seconds is a good place to start.

Emptying the tank: remove the "Vent" cap to allow air to enter the tank while pouring.

We like to hold the tank with the palm of our hand and wrap our thumb around the vent to ensure that the lid stays down while pouring.

Wash/rinse: our testing has shown that 7 to 10 minutes with slowly running water into the *Fill/Drain* port (with both caps removed) provides sufficient wash.

However, everyone's setup is unique, we recommend testing your wash procedure with a Residual Fixer Test kit.

Wetting Agents: Fill the tank with a wetting agent (we suggest our SP-H2O Flow), reinstall the caps and agitate for 45-60 seconds.

You don't need to get violent but we recommend continuous motion.

The film should now slide out of the holders with almost no resistance.

Replacement parts:

Contact us at info@stearmanpress.com if you need parts. Note:

plastic caps: 33/400 Phenolic /poly dome

O-ring: dash 242 .125 NBR

Both parts are off-the-shelf and available from numerous sources.

Warranty: Use at your own risk! The SP-445 is warranted to be free of manufacturing defects for 90 days. Warranty limited to refund or replacement. Under no circumstances is Stearman Press liable for any additional damages. Standard terms and conditions apply.

For more information visit our websites:

www.stearmanpress.com

<https://shop.stearmanpress.com>



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