Film Developing Tank

Models & working volumes

Model	Min. rotary fill	2502 reels at 35mm	Full-tank hand fill*
2520	280 mL	2	1,600 mL
2530	400 mL	3	2,000 mL
2550	650 mL	5	2,800 mL

Formats: 35mm, 120, and 4×5 sheet film. Use the appropriate reels; counts shown are for 35mm only.

Hand processing

* Full-tank fills without a spacer. Fit the supplied sealing plug before agitating.

Flat-lid models only: Briefly open the plug after each round of agitation to vent pressure.

Working solution & care

Use the greater of the rotary minimum and the working volume your chemistry requires for the film load. The rotary minimum is for film coverage only.

Example: If your developer needs 275 mL for one roll, use 280 mL in the 2520. Too little solution can cause uneven development. Count every roll on multi-roll reels.

Keep the tank level. Rotary minimums assume level rotation. Adjust the processor feet or tank supports as needed.

Avoid drops and knocks. Drain tank and reels completely and store away from light.

Rotary processing

0 Get the tank, reels, and processor ready

Start with a dry tank and reels. Damp reels can hinder loading and affect processing. Use air no hotter than **45°C (113°F)** for drying. Heat the water bath to your process temperature.

1 Load the film and lock the lid

In a changing bag or darkroom, load the reels. Slide them onto the center column; they should grip without slipping. Place the assembly in the tank and feel around the rim to check that the lid sits evenly.

Fit the locking ring. Press the lid down as you turn the ring **clockwise**. The lid must sit flush and not wobble or lift out. If needed, finish tightening with the handle in room light only after the tank is secure and light-tight.

2 Prewarm the tank

Start the processor with the tank mounted. Check that the tank turns level, then prewarm it for **10 minutes**.

3 Process the film

Add working solutions at the times and temperatures specified for your process.

4 Open and clean the tank

Turn the locking ring **counterclockwise**; use the handle if needed. Remove the reels, clean the tank and accessories, and air-dry at room temperature in the shade.