

KOWOPRO K

KOWOPRO K

Manual Film Processing Units



Simple, manual
Developing of NDT X-ray films

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KOWOPRO K series Manual Film Processing Units for X-ray films

These processing units are designed for simple, manual developing of NDT X-ray films.

Complete unit is made of durable, grey PVC material and has four separate tanks. Three smaller tanks on the left for Developer, Rinse and Fixer are placed in the Heating Water Tank by which these tanks can be heated or cooled. The large tank on the right is for Final Wash of fixed films or additionally for cleaning of channel hanger and equipment after developing process.

All tanks can be closed with a cover even when channel hangers are hung in and tanks for Developer and Fixer can be taken out of the unit for cleaning or exchange.

Water Tanks and the Heating Water Tank, all equipped with a spillway, are filled and rinsed thru three separate taps. With the tap for Heating Water Tank the intake of cold water, for cooling Developer and Fixer, can be controlled.

The micro-processor controls temperature and monitors Min-level in Heating Water Tank and also can be used as darkroom timer (Count-Down-Timer).

For operation of the unit connections for electrical power, water and drain have to be provided.



Technical Data

Housing	PVC, grey, 7 mm thick
Water Taps	Heating Water Tank, Rinse – and Final Water Tank
Darkroom Timer	0 ... 60 min (preset to 5 min)
Temperature	15°C ... 25°C, controllable (preset to 20°C)
Heating Power	1.000 W - (K41- 2.000 W)
Connection Electrical Power	220 ... 240 V / 50 ... 60 Hz / 10 A, 3 m long
Connection Water	G3/4 in, 2 m long
Connection Drain	Ø 1 in / Ø 25/31 mm, 2 m long

KOWOPRO K21

Tank for Developer, Fixer - removeable	25 l	12x41x57 cm - (fill level 53 cm)
Rinse Water Tank - fix	25 l	12x41x57 cm - (fill level 53 cm)
Final Water Tank - fix	75 l	27,3x48x67 cm - (fill level 59 cm)
Dimensions (W x D x H)	85 x 71 x 93 cm	
Weight - empty (filled)	50 (ca. 200) kg	

Article No.: 12 30530

KOWOPRO K31

Tank for Developer, Fixer - removeable	25 l	12x41x57 cm - (fill level 53 cm)
Rinse Water Tank - fix	25 l	12x41x57 cm - (fill level 53 cm)
Final Water Tank - fix	110 l	39,3x48x67 cm - (fill level 59 cm)
Dimensions (W x D x H)	97 x 71 x 93 cm	
Weight - empty (filled)	55 (ca. 240) kg	

Article No.: 12 30540

KOWOPRO K41

Tank for Developer, Fixer - removeable	55 l	12x41x57 cm - (fill level 53 cm)
Rinse Water Tank - fix	55 l	12x41x57 cm - (fill level 53 cm)
Final Water Tank - fix	150 l	52x48x67 cm - (fill level 59 cm)
Dimensions (W x D x H)	148 x 71 x 93 cm	
Weight - empty (filled)	70 (ca. 320) kg	

Article No.: 12 30550



Scope of Delivery:

KOWOPRO K
complete with channel hanger insert for Final Water Tank, hoses, plugs, plug puller, spare parts kit

Accessories:

K21/ K31 Channel hanger stirrup for Tank, 25 l	Article No.: 12 30536
KOWOPUMP 230 Chemical transfer pump, 20 l/min, 100- 240 V AC	Article No.: 12 30675
KOWOPUMP 12 Chemical transfer pump, 20 l/min, 12 V DC	Article No.: 12 30676

