

# data sheet

# MEDIPHOT

## MEDIPHOT 902/903

## X-Ray-Filmprocessor



**Colenta**<sup>®</sup>

COLENTA Medical X-Ray Film Processor:  
TYPE MP902 and MP903

For processing all type of standard X-Ray Films.

09/2004 AN

# Colenta<sup>®</sup> MEDIPHOT 902/903

## X-Ray-Filmprocessor

### Technical Specifications:

Processing applications:	Rolls/Cut sheets of all commonly used x-ray films
Film thickness:	up to 0,18 mm (7mil)
Material width:	min. 7,5 cm max. 43cm
Material length:	min. 10 cm
Time in Developer:	<b>MP 902</b> min. 16 sec - max. 90 sec <b>MP 903</b> min. 19 sec - max. 105 sec (other range of DEV-times on request)

Input speed <b>MP902</b>		Input speed <b>MP903</b>	
16 sec DEV-time	150 cm/min	19 sec DEV-time	180 cm/min
90 sec DEV-time	30 cm/min	105 sec DEV-time	33 cm/min
Films / hour 35x43cm (14x17")	255 pcs.	Films / hour 35x43cm (14x17")	308 pcs

		<b>MP 902</b>	<b>MP 903</b>
<b>Tank capacity -</b>	Developer:	8L	10L
	Fixer:	8L	10L
	Wash water:	8L	10L
Solution heating(Fix and DEV):		variable in a range of 18°C - 43°C (separate inline 350W/550W heaters)	
Dryer:		warm air variable in a range of 18°C - 55°C	
Replenishment:		Fully automatic - the replenishment is microprocessor controlled and calculated from the informations received from an <b>optical 6 sensor</b> scannerbar, located at the entrance of the processor right before the developer rack. This scannerbar (sensorbar) confirms the incoming width and length of the film, in this way the film surface is being calculated by the CPU - depending on that the needed replenishment amount is activated and spent.	
Wash water distribution:		built in 3-way magnetic valve	
Wash water flow rate:		1,5 - 2 ltr/min when film is processed	
Wash water supply pressure:		3 - 10 bar	
Wash water supply:		filtered at a temperature of 8°C - 15°C with 3/4" hose connection	
Wash water drain:		32mm (5/4inch) hose or tube	
<u>Weight:</u>		<b>MP 902</b>	<b>MP 903</b>
	Empty	132 kg	150 kg
	With solution	153 kg	180kg

Technical specification subject to change without notice.

1) Automatic Cooling: The processor electronics will automatically detect over temperature developer conditions and then activate a cold water cooling system. The temperature of the incoming cold water supply should be between 7 - 15 C in order for the system to operate efficiently. If not available and in cases where the processor is required to operate in warm ambient conditions a chiller system should be used on the developer tank solution. A chiller unit is available as an optional accessory from Colenta for either self installation or factory fitted if ordered with the processor.

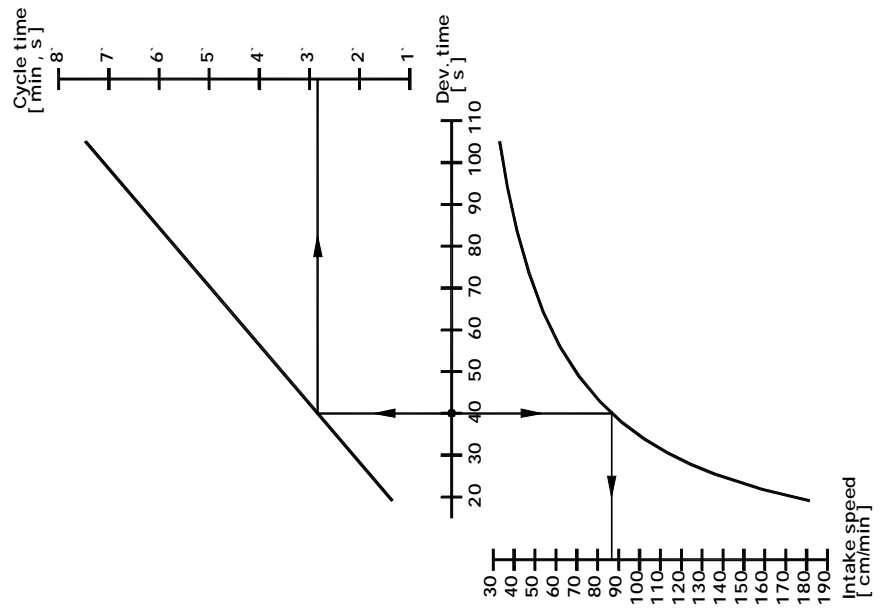
2) Processor ventilation: The MP902/903 is supplied with an exhaust port located at the feed end of the processor. During installation this port must be connected to an external ventilation system provided at the installation site (sufficient power to ventilate the warm exhaust air away and out of the processing area).

Where the processor is installed in a „through wall“ location whereby a feed table is positioned in a darkroom and the main body of the processor is in daylight, it is important that the darkroom is pressurised to ensure a positive airflow from feed to dryer thus avoiding condensation related problems.

# Productiongraph: MP 902

DEV-Time 16sec to 90 sec  
 Cycle Time 80 sec 440 sec  
 Intake Speed 150 cm/min to 30 cm/min

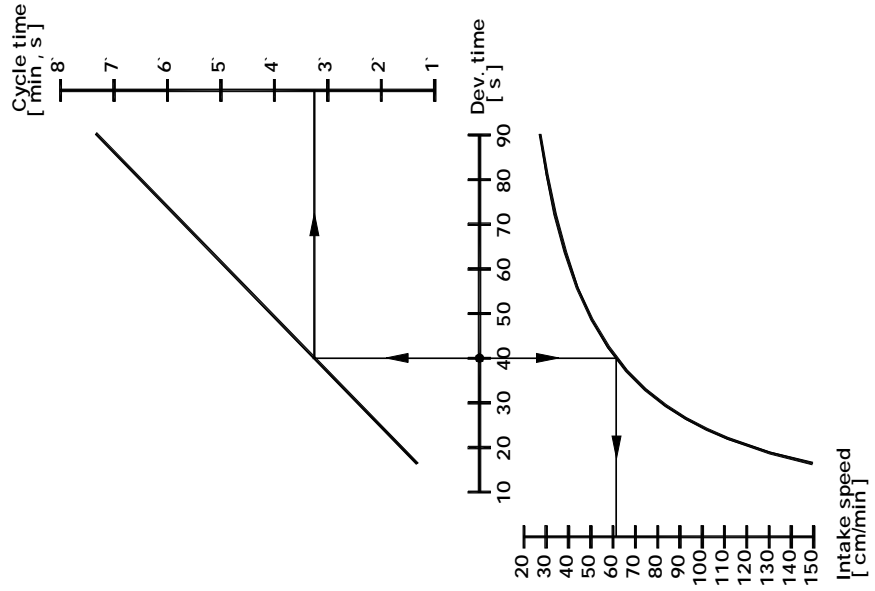
**MP 902**  
 (max 43cm)



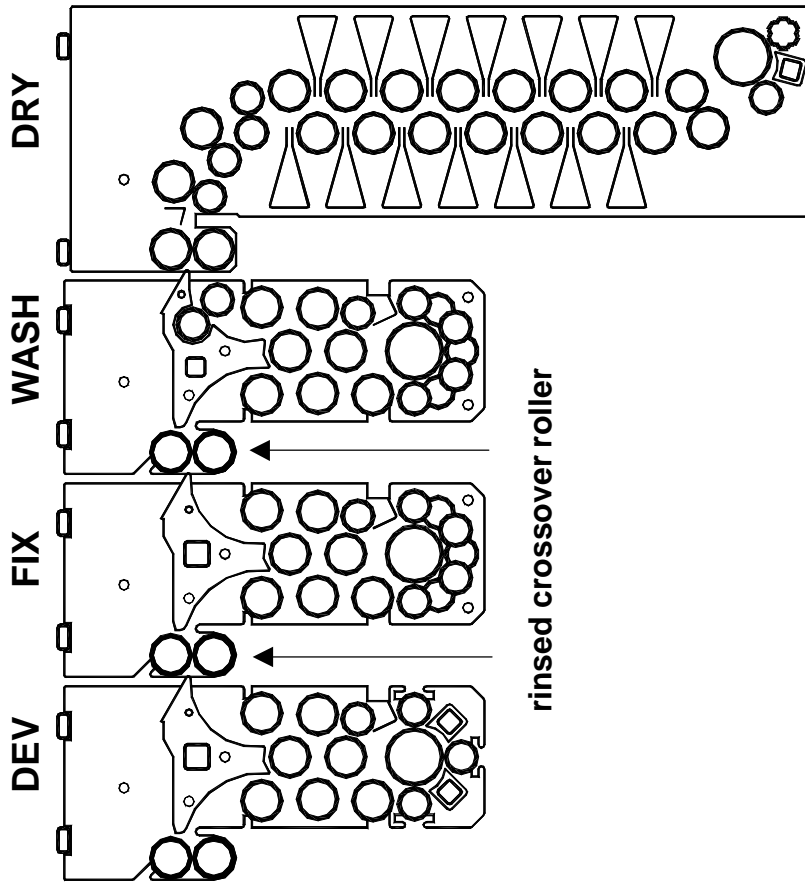
# Productiongraph: MP 903

DEV-Time 19sec to 105 sec  
 Cycle Time 81 sec 450 sec  
 Intake Speed 180 cm/min to 33 cm/min

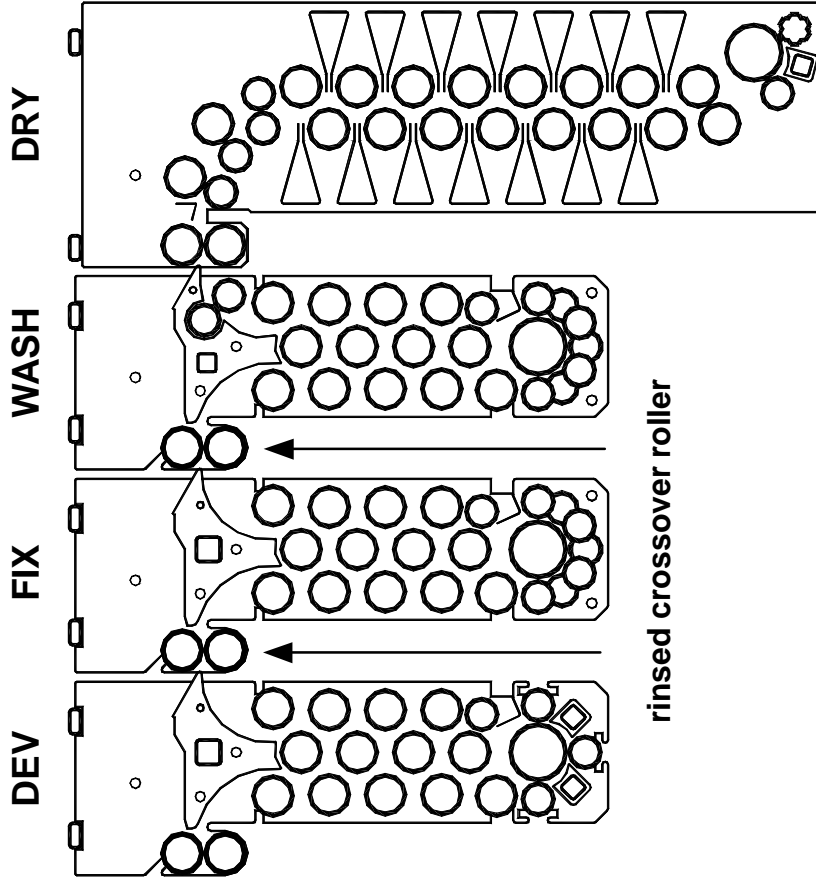
**MP 903**  
 (max 43cm)



# Transport System: MP 902

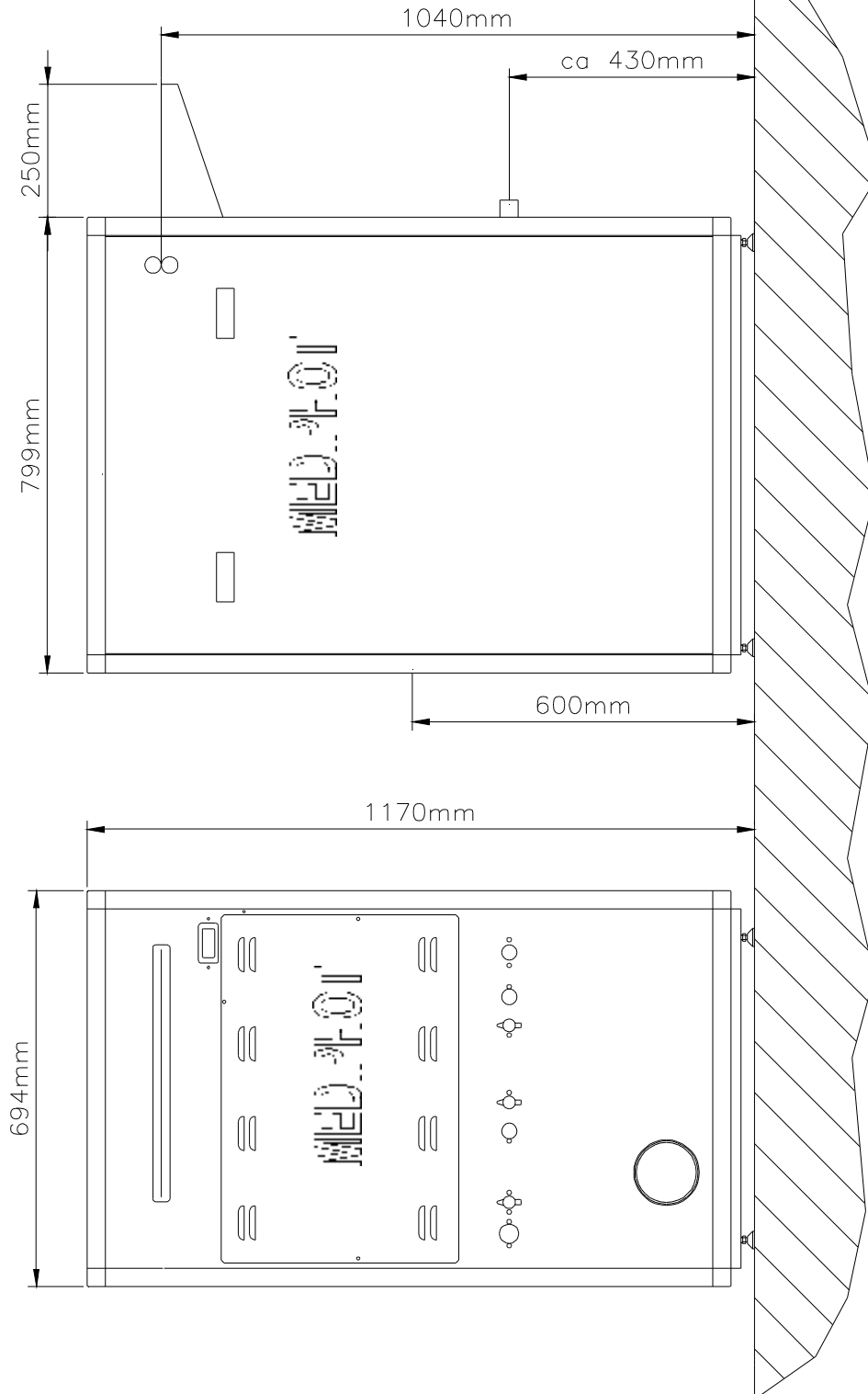


# Transport System: MP 903



Dimensions of MEDIPHOT X-Ray Filmprocessor :

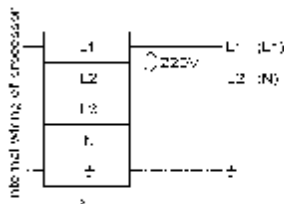
# MP902 / MP903



# Electrical supply:

	230V~ 50/60Hz	3N~ 400/230V 50/60Hz
<b>MP 902</b>	3,6 kW 16 A	-----
<b>MP 903</b>	-----	5,5 kW 13 A

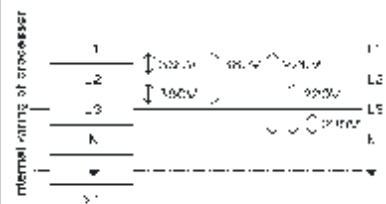
ATTENTION:  
PROCESSOR TO BE CONNECTED TO  
SUPPLY NET: 220V 50/60Hz



In case the above voltages are not available at site, please contact your local dealer or the factory for rewiring advice.

**MP 902**

ATTENTION:  
PROCESSOR TO BE CONNECTED TO  
SUPPLY NET: 3N-380/220V 50/60Hz



In case the above voltages are not available at site, please contact your local dealer or the factory for rewiring advice.

**MP 903**

# Details for shipment:

## MP 902

packing dimensions: 1 carton box on palette  
125cm x 90cm x 140cm (L x W x H)  
packing volume: 1,575 m<sup>3</sup>  
weight with packing: 170 kg

## MP 903

packing dimensions: 1 carton box on palette  
125cm x 90cm x 140cm (L x W x H)  
packing volume: 1,575 m<sup>3</sup>  
weight with packing: 205 kg