data sheet

Colenta®

Colenta New Generation Film Processor

Film Processor

20 BW 31 - 7Tank ECO

Colenta®

QUALITY SYSTEM CERTIFICATION DNV·GL ISO 9001

Colenta FILM Processor - Type B&W for BW Camerafilm

05/2022 AN

Colenta® Film Processor
20 BW 31-7Tank ECO

Technical Specifications:

Processing applications: BW Camerafilm 135 120 220

Process width: **20cm / 3 tracks of 35/120/220 camera film**

Microprocessor Control:
6 pre-programmable processing cycles
1 over night (sleep program) incl "wake-up" feature

Processing capacity **31cm/min @ 90 sec DevTime**
(Dev time is pre-programmable)

Tank capacities: **20 BW 31-6Tank CFL**

Developer	**:**	**5,5 litre**
STOP	**:**	**5.5 litre**
Fix1	**:**	**7,6 litre**
Fix2	**:**	**7,6 litre**
Wash 1	**:**	**11,0 litre**
Wash 2	**:**	**11,0 litre**
WETTING	**:**	**5,0 litre**

All Colenta Film processor options are micro processor controlled and provide a fully automatic Dry to Dry service for both cut sheet and long roll through a well proven minimum contact hard roller transport system.

Replenishment:
- precisely controlled using opto-sensors to measure the area loading.
- activated after a pre-set film area is fed into the processor

High efficiency drying: via integrated warm air drying system supporting airknives

Temperatures: All solution temperatures are accurately controlled and monitored with automatic cold water cooling - chiller systems are optional vavailable.

Transport / Drive motor: precisely controlled by electronic feed-back to ensure consistant developer timing

Standard Accessories:-

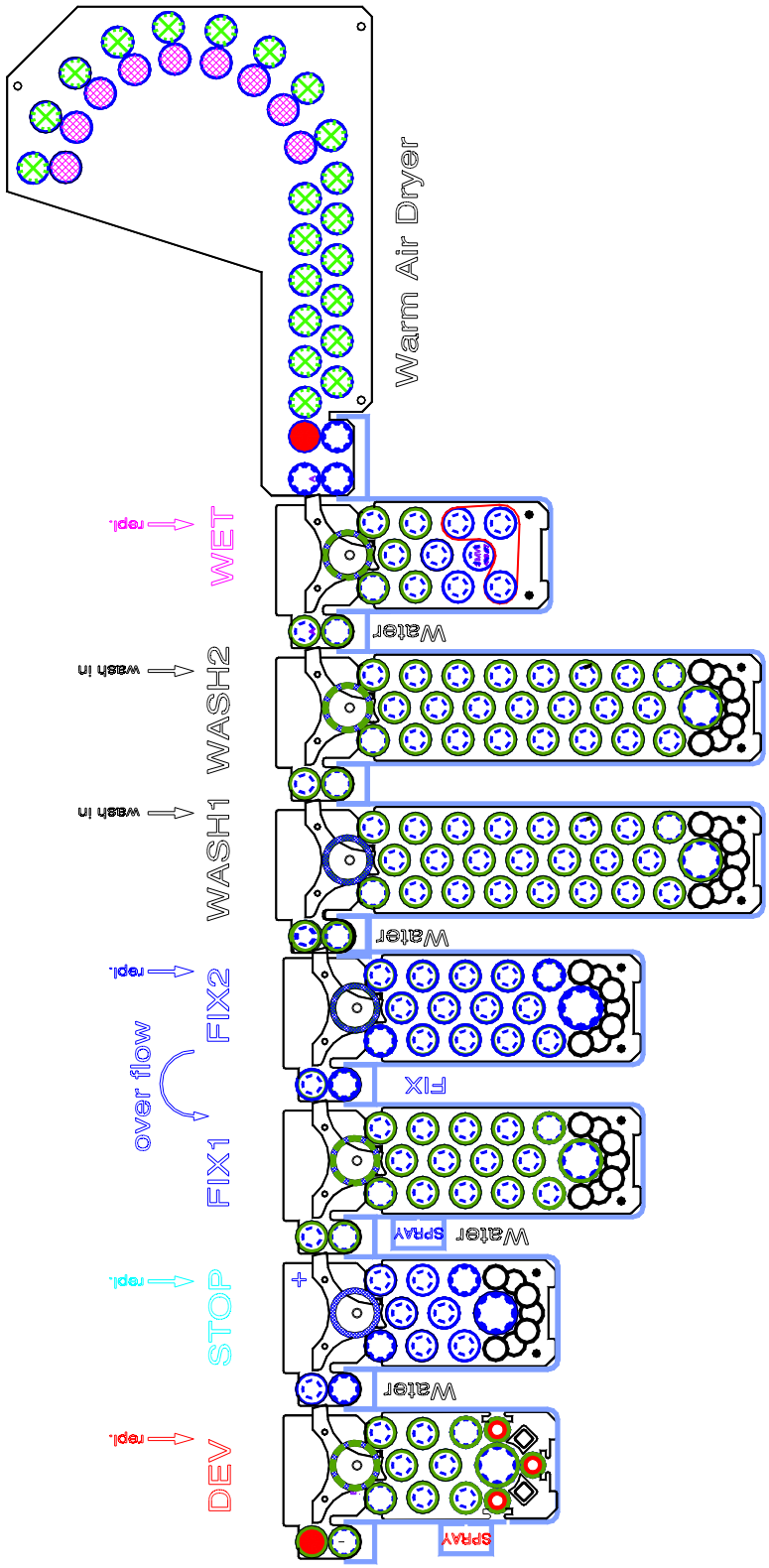
Level control for all Processing & Wash tanks
Rack Carrier/Drip Tray
30 litre Replenishment storage tanks
water supply / drain connectors
CE marking
user spare part kit

Optional Accessories:

Inbuild Roll feed unit to include into the light tight feed box and long roll feed cradle with spool bobbins
Motorised Roll Take-Up
extra spool bobbins
UPS battery back up
chiller unit
water supply panel
2 position chemical mixing concole (2x40L / 2x80L)

Technical specification subject to change without notice.

Transport system: Colenta® 20 BW 31 7Tank ECO

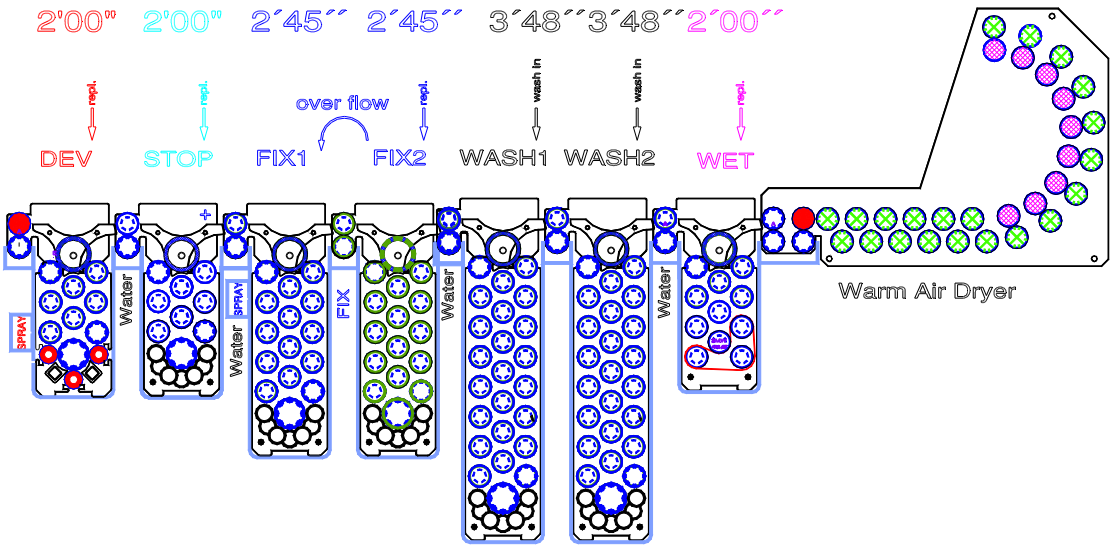


All transport modules (racks) and tanks are designed to reduce chemical oxidation to an absolute minimum. This together with our accurate replenishment, temperature control and constant circulation ensures all processing parameters are maintained within pre-set programmable limits.

Timings & Ratios: Colenta® 20 BW 31-7Tank ECO

20 BW 31-7Tank Wash Eco

DEV	STOP	FIX1	FIX2	WASH1	WASH2	WET
1'00"	1'00"	1´23´´	1´23´´	1´54´´	1´54´´	1´00´´
1'30"	1'30"	2´04"	2´04"	2´52´´	2´52´´	1´30´´
2'00"	2'00"	2´45´´	2´45´´	3´48´´	3´48´´	2´00´´

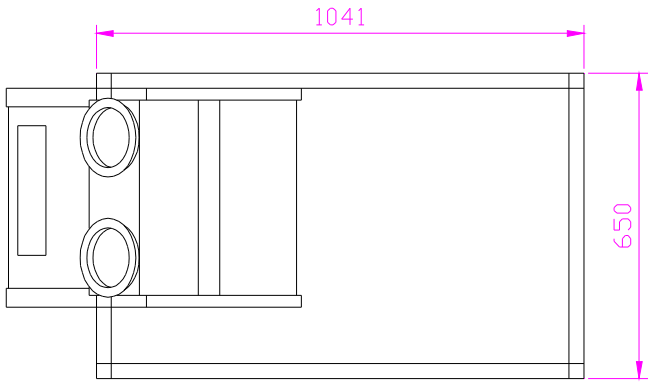


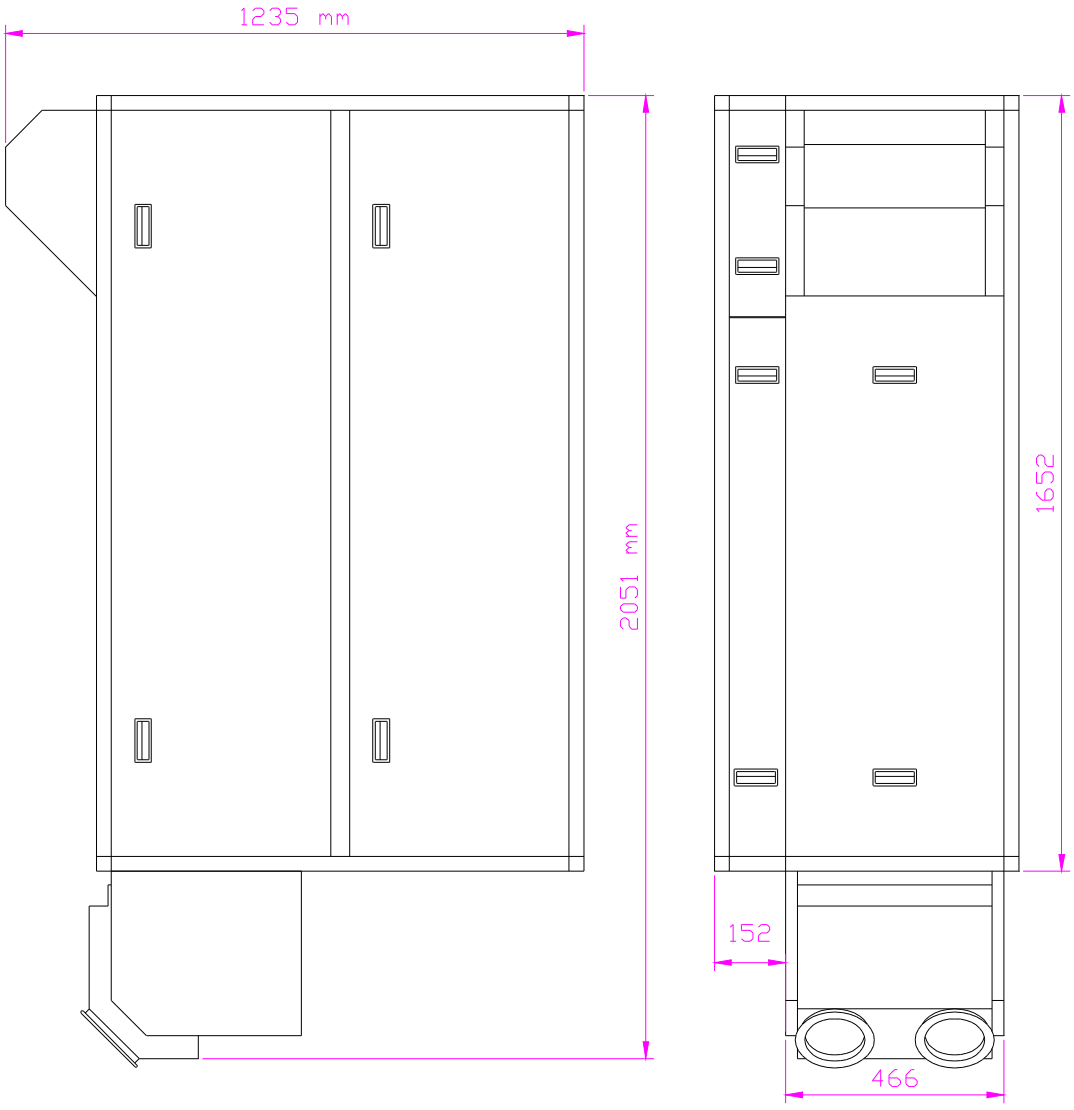
speed @ 1'00" Dev time = 46,5cm/min
speed @ 1'30" Dev time = 31cm/min
speed @ 2'00" Dev time = 23,2cm/min

Recommended Developer time range 55sec to 120sec subject to processing chemicals in use!

Water rinsed cross over rollers are in place in order to minimize the chemical carry over from one tank to the next as well to keep the cross over section clean and free from any chemical deposits.

Dimensions: Colenta® 20 BW 31-7Tank ECO

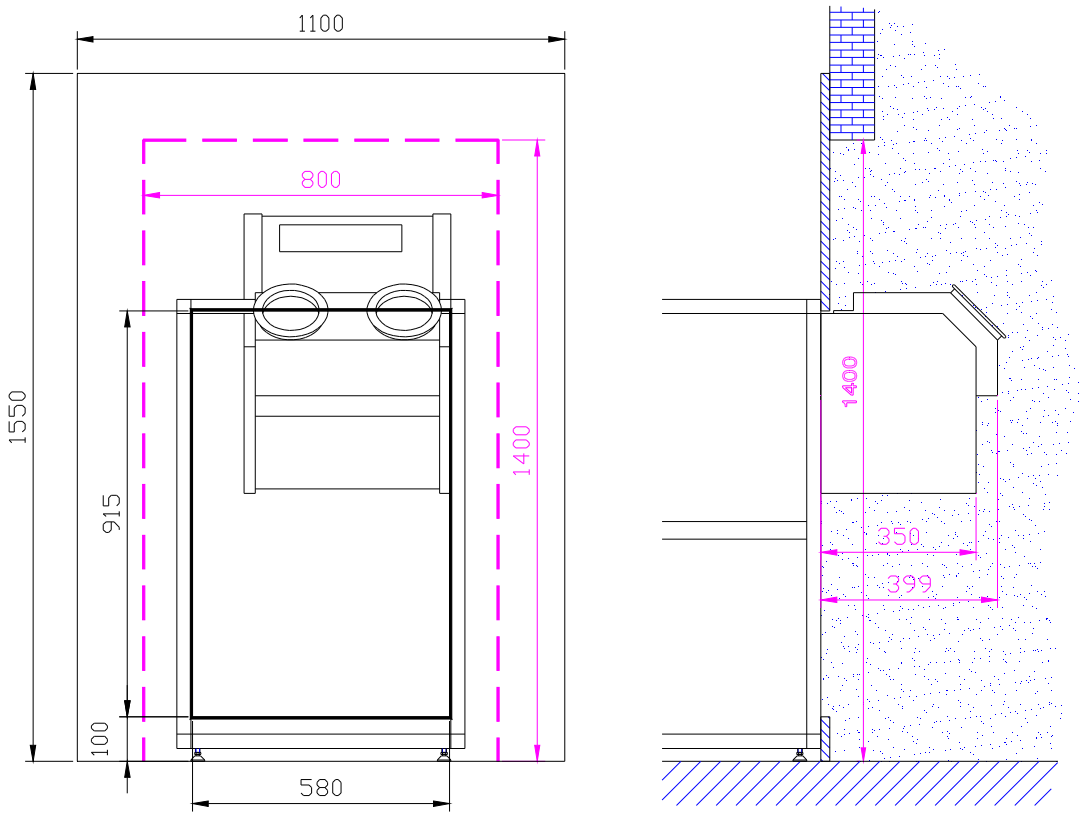




We recommend a minimum walking space of 60cm around the processor.

Specifications for wall-opening if the processor has to be installed that way:

Colenta® 20 BW 31-7Tank ECO



dim. of required wall opening	**approx. 1400x800mm**
dim. of required wall panel	**approx. 1550x1100x20mm**
dim. of clearance wall panel	**approx. 915x580mm**

In case the thickness of the wall is more than 2cm, a wall panel panel has to be installed, this to be able to operate the cover lid of the film loading box.

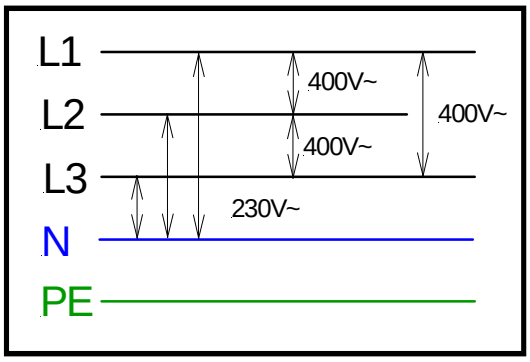
Electrical supply:

Colenta®

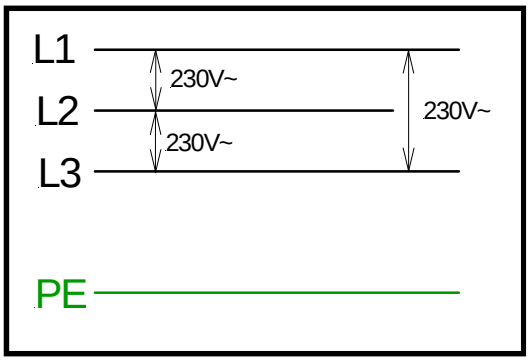
Standard, when 3N~400/230V, 50/60 Hz supply available

Total power consumption:	
20 BW 31-7Tank ECO	..... 5,8 kW

Standard supply net:
3N-400/230 VAC 50/60Hz



Alternatively:
3x230V 50/60 Hz



Single phase connection (230VAC - 50/60Hz) on request only.

The required power supply is to be indicated and confirmed when ordering!

Details for shipment:

Colenta®

20 BW 31-7Tank ECO

230 x 82 x 151cm 400 kg

All dimensions & weights are subject to finial confirmation.

Colenta® *20 BW 31-7Tank ECO : accessories included:*

rack drip tray

loading guide for 35mm / 120 film / 220

10 pcs film leaders & punch tool

30 litre capacity replenisher tanks incl cover for each chemical tank

anti oxidation cover for wet section

small user parts kit

basic plumbing connectors for water supply and drain

Colenta® 20 BW 31-6Tank CFL : optional accessories:

Colenta®
Water Supply Panel assy
(see extra documentation)

Colenta®
external chiller unit

day-light
loading option

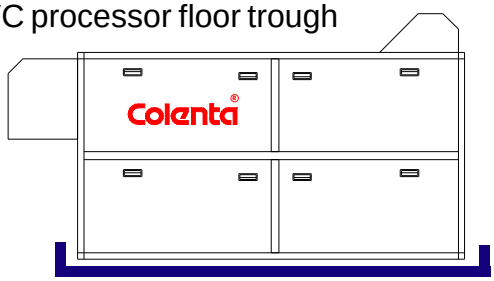
external 10 or 20 litre
chemical waste
container incl high
level monitoring

low level control for external
replenisher tanks

sleep mode / over night
program incl "auto wake-up" function

Colenta®
2x40L / 2x80L Mixing Concole
(see extra documentation)

PVC processor floor trough



UPS Battery power supply back
up system

NOTES: