

data sheet



Colenta

INDX 43/55

High Capacity

NDT - Filmprocessor

Processing capacity : @ 8min Dry to Dry : 54cm/min (21 in/min)



**COLENTA NDT Film Processors type:
INDX 43/55**

to be used to process all standard NDT Films.



07/2013 TK

Colenta[®] INDX 43 / 55

NDT - Filmprocessor

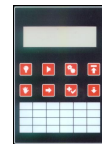
Technical Specifications

Processing applications: Rolls/Cut sheets of industrial x-ray films
 Film thickness: 0,10mm (4mil) - 0,18mm (7mil)
 Material width: min. 7,5 cm max. 43cm
 Material length: min. 10 cm

Capacities for:	Time in Developer [sec]	Cycle Time (dry to dry) [min]	Intake speed [cm/min]
INDX 43/55	50	3.37	109
	250	16,87	21

additional, see the table on following page.

Tank capacity -	Developer:	20 L	(incl Filter)
	Fixer:	23 L	(incl Filter)
	Wash water:	20 L	



Microprocessor controlled Display

Solution heating (DEV and FIX): adjustable in a range of 18°C - 43°C via Microcontroller (separate inline 800W heaters)

Wash Water heating: adjustable in a range of 18°C - 43°C via thermostat (separate inline 800W heaters)

Dryer: warm air - adjustable in a range of 18°C - 55°C

Replenishment: fully automatic - replenishment is microprocessor controlled and calculated from information received from sensors measuring the width and length of material entering the processor. Replenishment cycles are adjustable.

Water supply: 2 magnet valves:
 - 1 x 2way valve (warm or cold water supply) for Wash
 - 1 x single valve (cold water) for cooling

required water pressure: 3 - 10 bar

Wash water supply: filtered at a temperature of 8°C - 12°C with 3/4" hose connection

Wash water drain: 32mm (5/4inch) hose or tube

	INDX 43/55
Weight:	
	Empty 290 kg
	with solution 353 kg
	with packing 406 kg

external filter for DEV and FIX

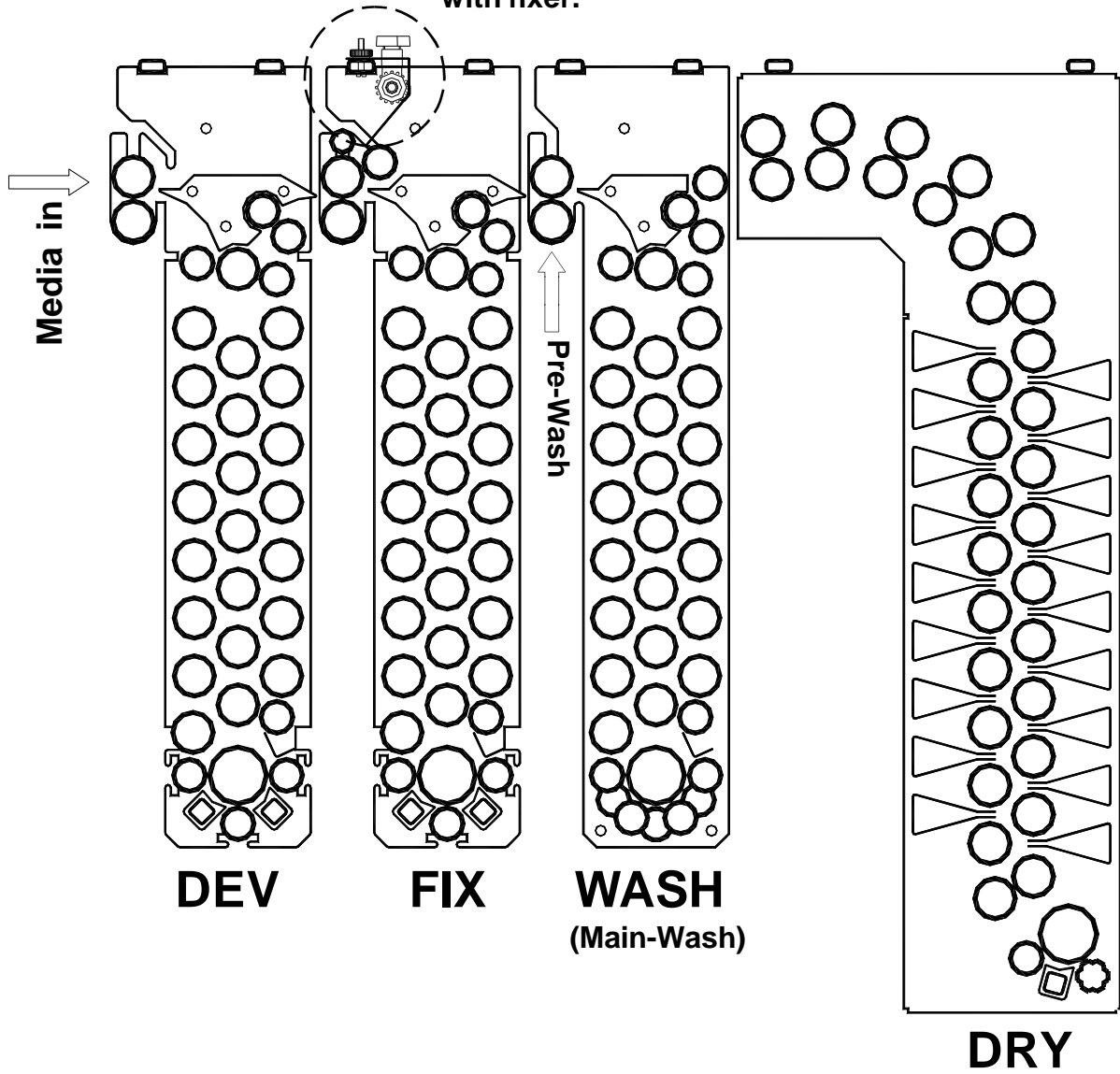


Technical specification subject to change without notice.

Transport System

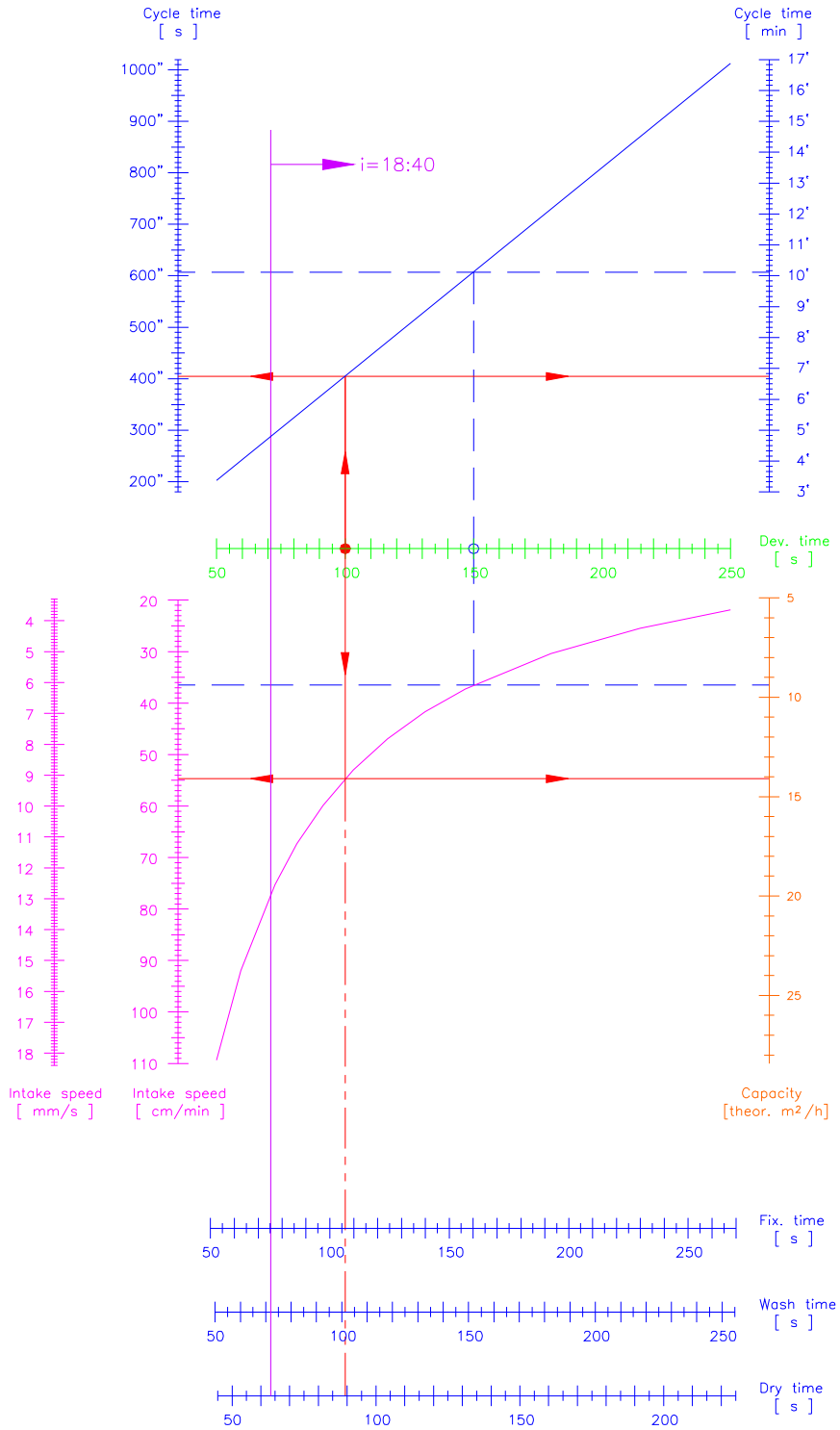
Colenta[®] *INDX 43/55*

Anti run-back system
with fixer.



Production Graph

Colenta® *INDX 43/55*



Production Graph

Colenta[®]

INDX 43/55



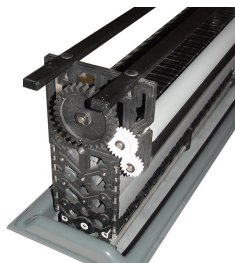
Dev. time [s]	Intake speed [cm/min]	Cycle time [min]
50	109.37	3.37
60	91.14	4.05
70	78.12	4.72
80	68.35	5.40
90	60.76	6.07
100	54.68	6.75
110	49.71	7.42
120	45.57	8.10
130	42.06	8.77
140	39.06	9.45
150	36.46	10.12
160	34.18	10.79
170	32.17	11.69
180	30.38	12.14
190	28.78	12.82
200	27.34	13.49
210	26.04	14.17
220	24.86	14.84
230	23.76	15.53
240	22.78	16.20
250	21.87	16.87

Automatic Cooling: The processor electronics will automatically detect over temperature developer / fixer conditions and then activate a cold water cooling system. The temperature of the incoming cold water supply should be between 8 - 12 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.



external chiller unit

other optional accessories:



rack carrier drip tray



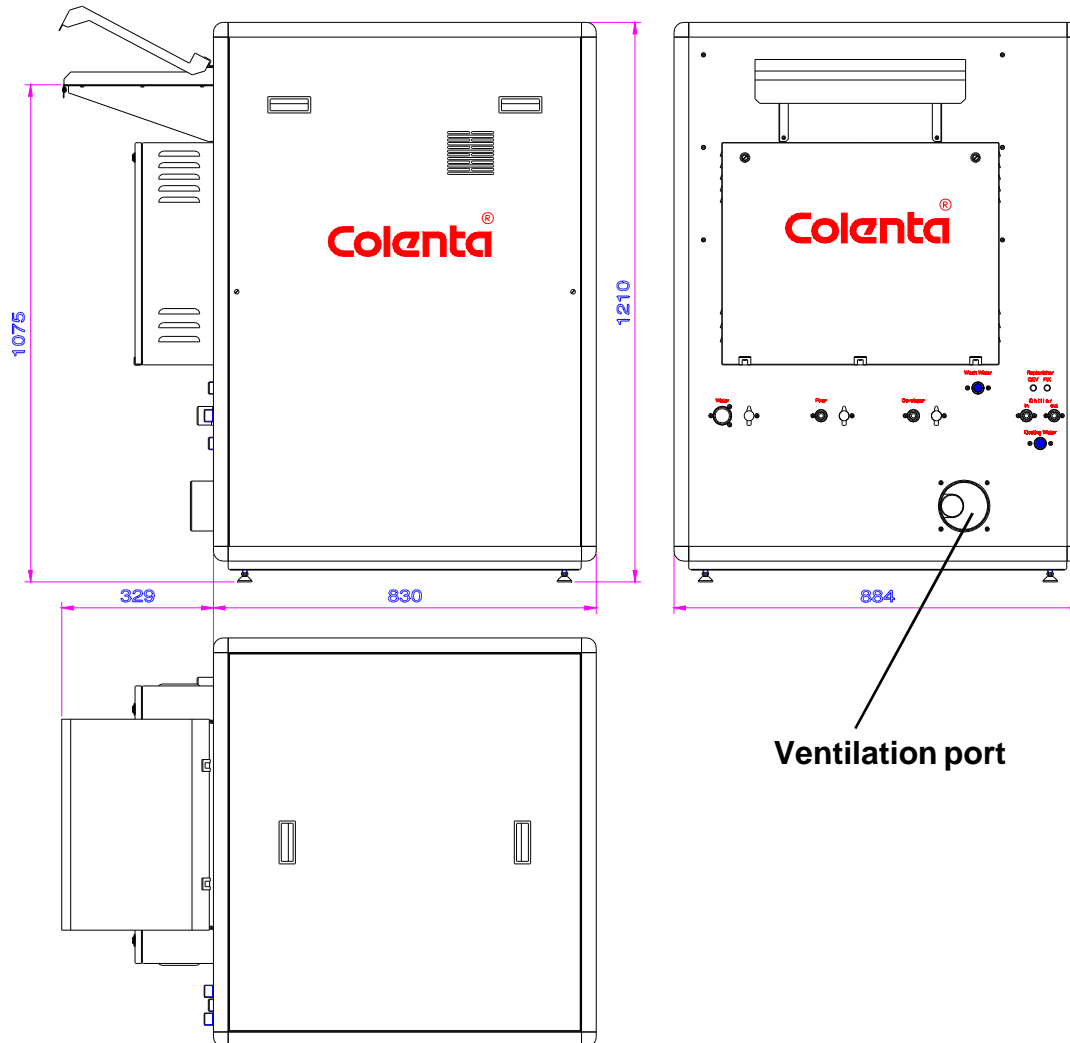
level control for replenisher tanks



silver recovery unit

Dimensions:

Colenta[®] INDX 43/55



All dimensions are in mm.

We recommend to keep a minimum walking space of 600mm around the processor.

Processor ventilation: The 43/55 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 an auto feeder or 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.

Electrical supply:

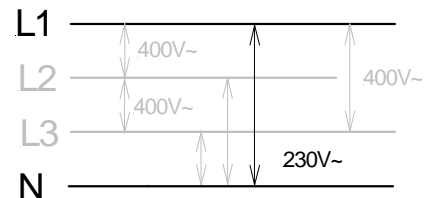
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INDX 43/55

total power consumption 6,9 kW

- 1) 230VAC+N 50/60Hz
fuse to be used 32A
- 2) 3x220VAC 50/60Hz
fuses to be used 25A
- 3) 400/230VAC+N 50/60Hz
fuse to be used 20A

1) 230VAC+N 50/60Hz

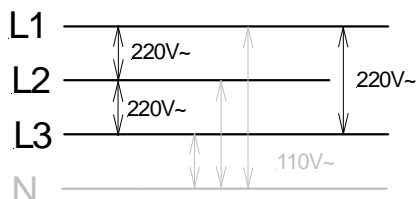


PE —————

Attention:

Line voltage 400V in respect to other lines.
Line voltage 230V in respect to neutral.
Only L1-N = 1 x 230V is connected
In case the above voltages are not available at site, please contact your local dealer or the factory for rewiring advice.

2) 3x220VAC 50/60Hz

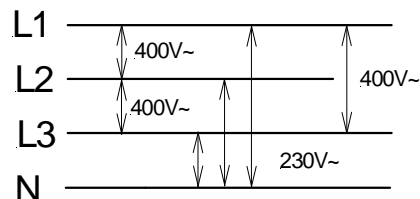


PE —————

Attention:

Line voltage 220V in respect to other lines.
Line voltage 110V in respect to neutral.
Neutral is not used
In case the above voltages are not available at site, please contact your local dealer or the factory for rewiring advice.

3) 400/230VAC+N 50/60Hz



PE —————

Attention:

Line voltage 400V in respect to other lines.
Line voltage 230V in respect to neutral.
In case the above voltages are not available at site, please contact your local dealer or the factory for rewiring advice.

details for shipment:

INDX 43/55

- | | |
|----------------------|--|
| packing dimensions: | 1 wodden box on palette
132cm x 101cm x 139cm (L x W x H) |
| weight with packing: | 280 kg |
| packing dimensions: | 1 wodden box on palette
81cm x 65cm x 145cm (L x W x H) |
| weight with packing: | 126 kg |