

DATA SHEET

FNDX 5HS

**Automatic NDT Industrial
X-Ray Film Processor**



**NDT Film Processors type: *FNDX 5 HS*
to be used for sheet and roll film production**

Processing capacity : 33cm/min - 13 in/min at 8min Dry to Dry



07/2011 AN

FNDX 5HS

Automatic NDT Industrial X-Ray Film Processor

Technical Specifications

Processing applications: Rolls/Cut sheets of all common used industrial x-ray films

Film thickness: 0.10 mm (4mil) - 0.18mm (7mil)

Material width: min. 7.5 cm max. 43cm

Material length: min. 15 cm

Capacities for:	Time in Developer [sec]	Cycle Time (dry to dry) [min]	Intake speed [cm/min]
FNDX 5 HS	31 165	2 min 11min	131 23

additional, see the table on the next page

Tank capacity	Developer:	13.5L
	Fixer:	13.3L
	Wash water:	11.6L
	Cooling liquid	2.5L



**Microprocessor
controlled Display**

Solution heating (FIX and DEV): adjustable in a range of 18,0°C - 43,0°C
(separate inline 350W heaters)

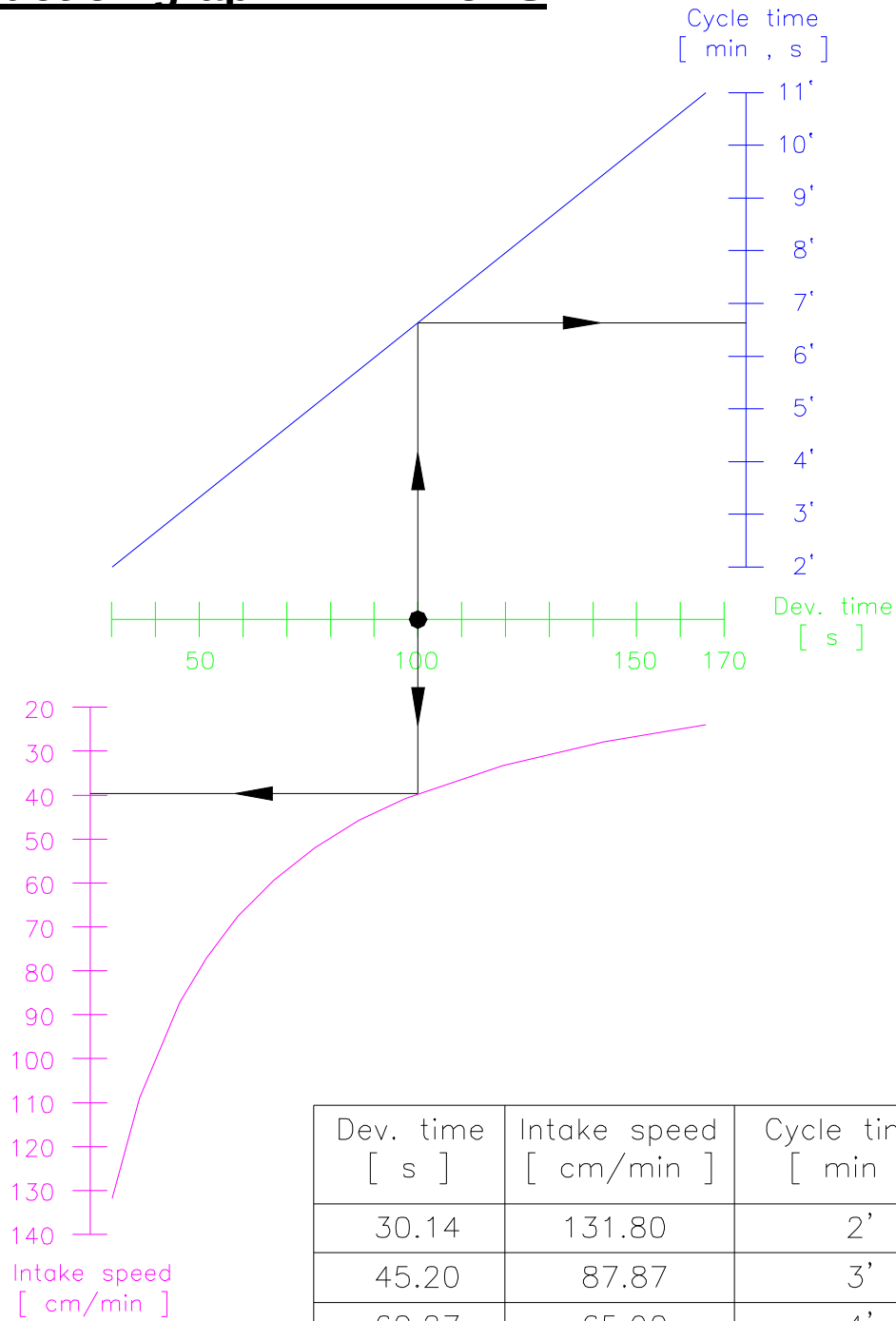
Cooling system (FIX and DEV): Integrated cooling system with chiller assy and cooling pump

Dryer: warm air
adjustable in a range of 18°C - 60°C

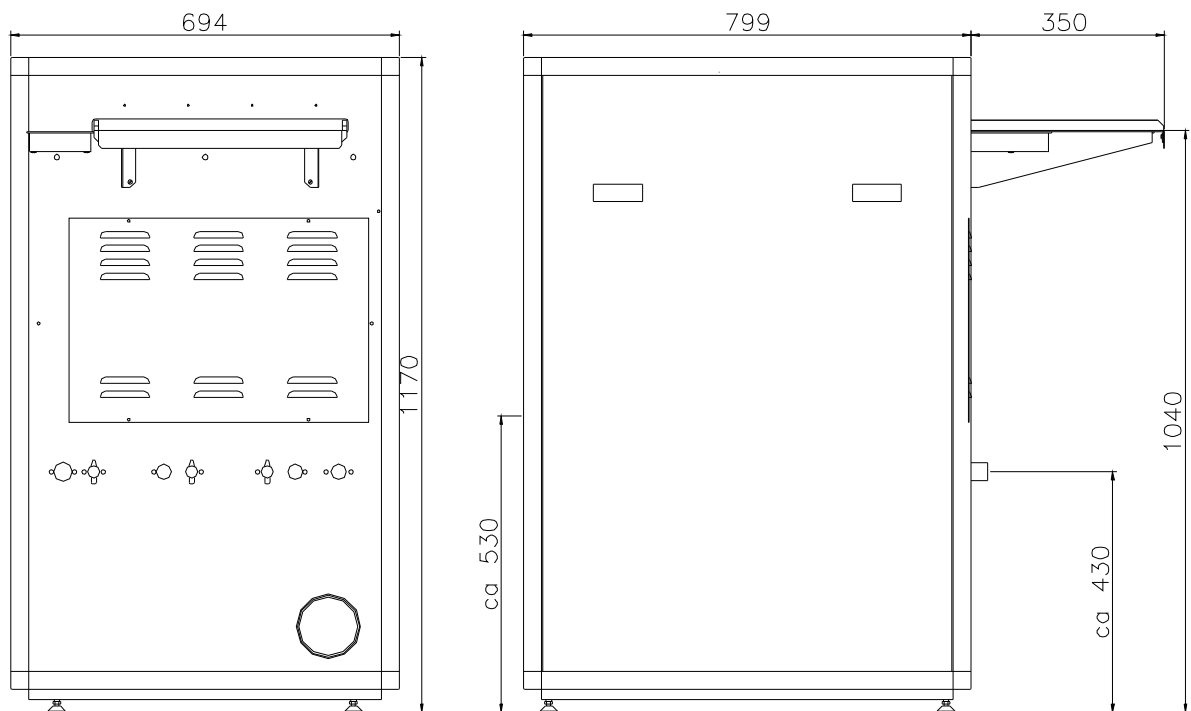
Replenishment: fully automatic
replenishment is microprocessor controlled and calculated from information received from sensors measuring the width and length of material entering the processor.
Replenishment cycles are adjustable.

Wash water distribution: built in 1-way magnetic valve
Wash water flow rate: 2.5 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 Ø (5/4inch) hose or tube

<u>Weight:</u>	Empty	177 kg
	With solution	215 kg

Production graph : FNDX 5HS

Dimensions : FNDX 5HS



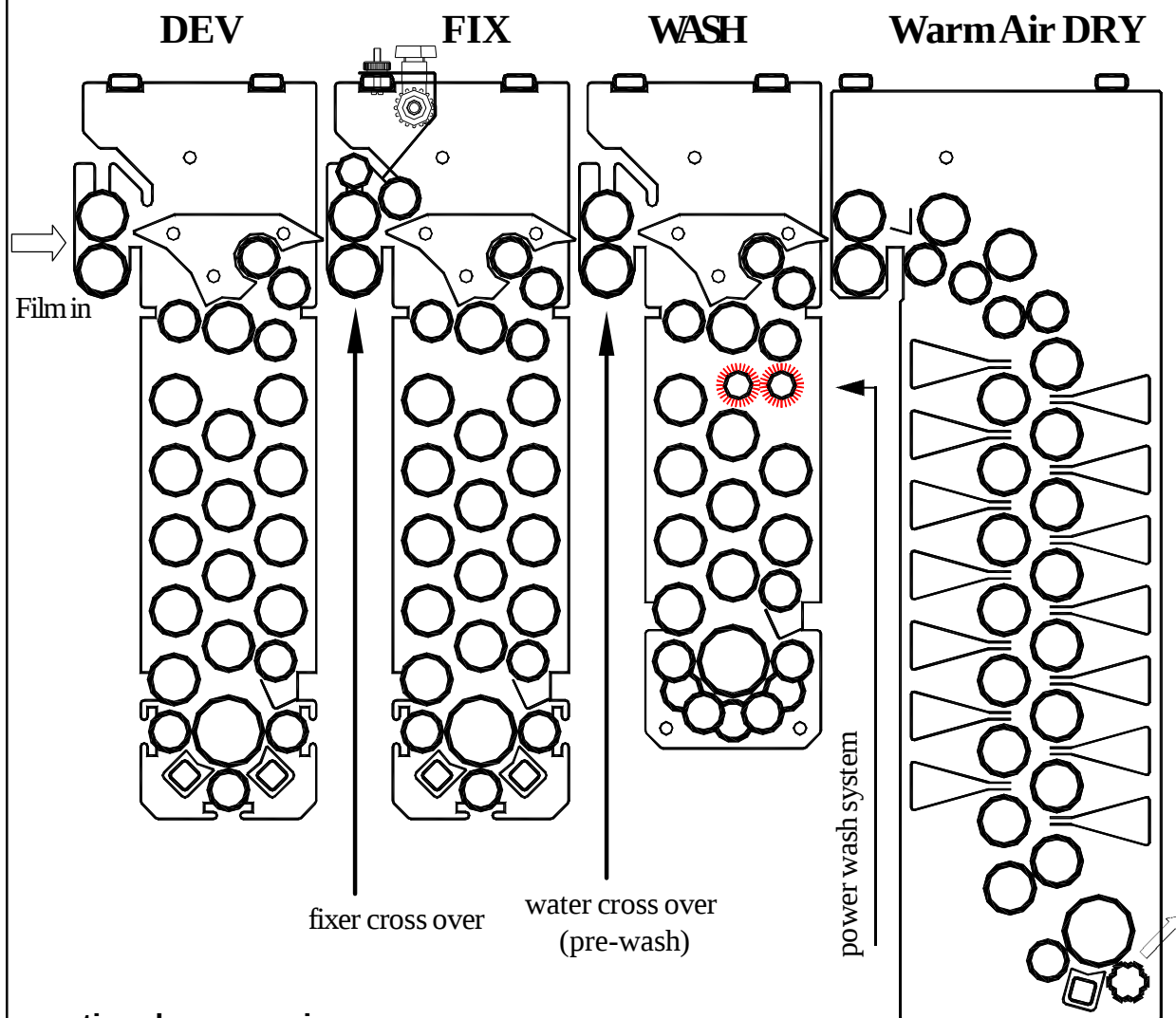
all dimensions are in mm

We recommend a minimum walking space of 50 cm around the processor.



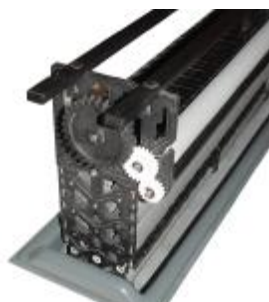
FNDX 5HS with optional external chiller

Transportsystem : *FNDX 5HS*



optional accessories:

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 system is available as an optional accessory from Colenta for either self installation or factory fitted if ordered with the processor.



rack carrier drip tray

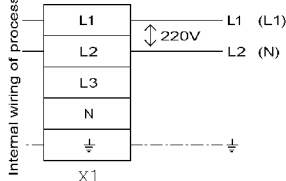


level control for replenisher tanks



external chiller unit

Electrical supply:

	single phase 230 V AC	
INDX 43 I	3,6 kW 16 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.

Details for shipment:

FNDX 5HS

packing dimensions:	1 wooden box on palette 120cm x 100cm x 175cm (L x W x H)
packing volume:	2,1 m ³
weight with packing:	320 kg

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.