



# CRATE WASHERS

AUTOMATIC WASHING

EFFICIENT CLEANING

PROCESS OPTIMISATION

FEEL SAFE WITH US



**CHRISTEYNS**

FOOD HYGIENE



# CRATE WASHERS

## EFFICIENCY IN THE CLEANING PROCESS

The EKW washing machines are equipment for automating the cleaning of various types of crates. These machines are designed to ensure the best cleaning results in an efficient and simple way, reducing the consumption of water, energy and products by adjusting them to the size and quantity of the crates to be cleaned. water, energy and product consumption by adjusting them to the dimensions and quantity of crates to be cleaned.

### AREAS OF APPLICATION

- Food and beverage industries
- Cosmetics industries
- Livestock farms

### WASHING MACHINES INCLUDE:

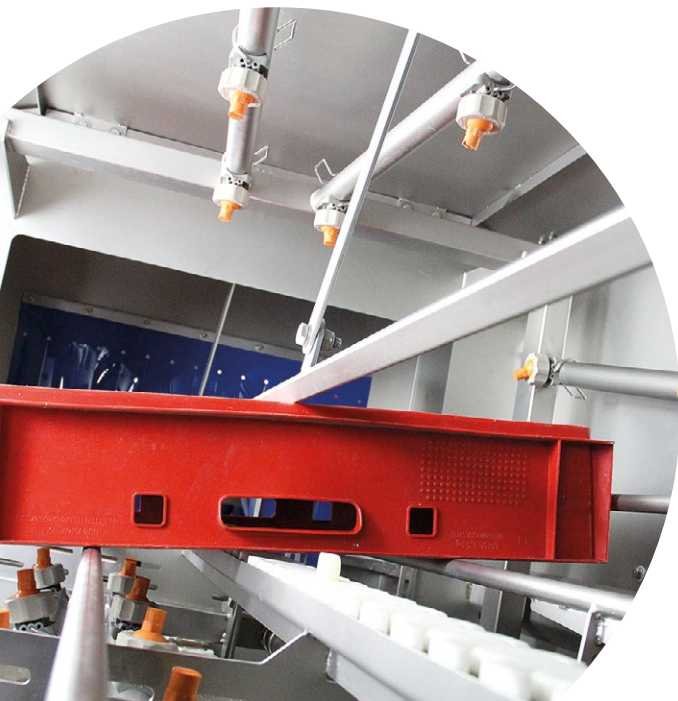
- **Stationary filter** for easy disassembly and cleaning to remove coarse debris from the water before it is returned to the tank.
- **Single-operator** option.
- **Synthetic chain** for the transport of crates.
- **Control panel**, easy access with emergency mushroom.
- **Easy access doors** to the inside of the machine and integrated safety sensors. They are made of stainless steel and mounted on adjustable feet.

### ADVANTAGES

**AUTOMATION** of the cleaning process.

**EFFICIENCY** in the use of water, energy and product.

Optional:  
**MAINTENANCE CONTRACT**  
with regular reviews  
1 year warranty



## AVAILABLE MODELS

### 2 STAGES: WASHING AND RINSING

#### EKW 1500, 2500 y 3500

EKW two-stage washers have the possibility to configure the system for a single operator, so that the input and output of the crates is done on one side. It has a tank equipped with a filter that is easy to remove and clean, sensors to prevent overflow and dry running.

\*An optional blow-drying zone (EAB-1-ST or EAB-2-ST) can be installed in the EKW2500 and EKW3500 models.

FROM UNTIL  
**170-500**  
crates/hour



**EKW 3500**  
Single operator option



**EKW 6000**

### 3 STAGES: PRE-WASH, WASH AND RINSE

#### EKW 5000, 6000 y 7000

In addition to the main wash and rinse areas, these models have an initial pre-wash area, which helps to soften and remove the most encrusted dirt. They incorporate: two independent tanks, equipped with filters that are easy to remove and clean. And sensors to prevent overflow and dry work.

\*Optionally a blow-drying zone (EAB-2-ST) with motors protected by a stainless steel casing.

FROM UNTIL  
**800-1120**  
crates/hour

## CLEANING PROCESS



### 1. PRE-WASH PHASE

EKW 5000, 6000 and 7000 have this initial phase. The operator inserts the crates into the washer, they receive a pre-rinse which removes a large amount of dirt. At this stage the water passes through a stationary filter which ensures that the water has been thoroughly filtered and is reused from the pre-wash tank.

### 2. MAIN WASHING PHASE

Phase of cleaning and thorough removal of dirt from the boxes. The detergent is added to the water which is supplied by means of a powerful and efficient pump; at this stage the water is also reused and passes through a stationary filter tray.

### 3. RINSING PHASE

After the main wash, the boxes are rinsed and any detergent residue is removed. any detergent residue is removed. For a better finish the rinse arch is connected directly to the water supply. At the end of this phase the crates come out of the machine clean and are picked up by the operator.

### \* BLOWING PHASE

All models except the EKW 1500 can be equipped with a blowing phase in which a large airflow is strategically directed at the crates to dry them and make them ready for use.

## ACCESSORIES

OPTIONAL ACCESSORIES	EKW 1500	EKW 2500	EKW 3500	EKW 5000	EKW 6000	EKW 7000
Product dispenser (main wash zone and rinse zone)	x	x	x	x	x	x
Mobile version	x	x	x			
A single operator	x	x	x			
Steam extractor		x	x	x	x	x
Increased box height to 400mm		x	x	x	x	x
Guides with plastic protection	x	x	x	x	x	x
Steam water heater		x	x	x	x	x
Electric water heater	x	x	x	x	x	x
Coil water heater		x	x	x	x	x
Variable speed drive		x	x	x	x	x
Digital thermometer		x	x	x	x	x
Increased blowing power		x	x			
Rotary filter		x	x	x	x	x
Input/output conveyor		x	x	x	x	x
Blow moulding module EAB-1-ST		x	x			
Blow moulding module EAB-2-ST		x	x	x	x	x



## TECHNICAL INFORMATION

	UNIT	2 STAGES			3 STAGES		
		EKW 1500	EKW 2500	EKW 3500	EKW 5000	EKW 6000	EKW 7000
<b>GENERAL</b>							
Electrical safety	A	3x25			3x32	3x32	3x63
Current		400 V-50Hz / 3 stages / ground					
Transport chain		Synthetic					
Power	Kw	0,18					
Water consumption	l/caja	0,3 - 0,5					
Dimensions (L x H x W)	mm	2462 x 1649 x 1184	3390 x 1600 x 1231	4389 x 1600 x 1231	5889 x 1600 x 1231	6888 x 1600 x 1616	7888 x 1600 x 1231
Max. box size	mm	600 x 400 x 410	600 x 400 x 300				
<b>MAIN WASH AND PRE-CLEANING AREA</b>							
Main length	mm	1500	2500	3500	2500	3500	3500
Pre-wash length	mm	-	-	-	2500		3500
Water tank capacity	l	180	350		2 x 350		
Power per pump/s	Kw	1 x 3,0	1 x 5,5	1 x 7,5	2 x 5,5	1 x 5,5 y 1 x 7,5	2 x 7,5
Pump/s capacity	m <sup>3</sup> /h	24	42	48	2 x 42	1 x 42 y 1 x 48	2 x 48
Nozzles		Stainless steel	Installation synthetics				
Standard filter		2 x Filtro de bandeja					
Water inlet connection	Pulgadas	3/4"	2 x 1/2"				
Overflow	Pulgadas	2"	2 1/2"		2 x 2 1/2"	2 x 3"	
Drainage	Pulgadas	3"					
<b>RINSING AREA</b>							
Length		Included in the length of the washing area					
Water inlet connection	Inches	1/2"					
<b>BLOW-DRYING AREA (optional)</b>							
Length	mm	-	2500 mm				
Capacity		-	1500 m <sup>3</sup> a 6000Pa (EAB-1-ST) 3000 m <sup>3</sup> a 6000Pa (EAB-2-ST)*		3000 m <sup>3</sup> a 6000Pa (EAB-2-ST)		
Drainage	Inches	-	1/2"				
Power per module	Kw	-	1 x 5,5 ó 2 x 5,5		2 x 5,5		



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ANY QUESTIONS OR DOUBTS?

Contact your local CHRISTEYNS technical manager and we will help you find the right solution for you.

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