

Crate washer

EKW-1500



Overview

- Suitable for crates with maximum dimensions of 600 x 400 mm (based on E-crates).
- The capacity of this unit is a maximum of 170 crates per hour with a staying time of 45 seconds.
- The crates are passed through the unit with a track width of 600 mm.
- The maximum crate height is 410 mm.

Safety

- Emergency stop on control panel.
- Water level switch in wash tank to prevent the pumps from running dry.
- Protective cap over rotating parts.

Versions:

- ▶ EKW-1500
Main wash & rinse zone
Article number:
83101125

Case study

and technical information



The EKW-1500, with optional one-person operation.

General

Voltage	400V - 50Hz / 3 phase / earth
Fuse / A	3 x 25 (from)
Transport chain	Plastic
Drive / kW	0.18
Water consumption/ ltr / crate	0.3 - 0.5
Length / mm	2462
Width / mm	1184
Height / mm	1649

Per zone

Length / mm	1500
Tank capacity / ltr	180
Output per pump / kW	1x 3.0
Pump capacity / m3 / hour	24
Nozzles	Stainless steel
Filter	Filter tray
Water connection	3/4"
Overflow	2"
Drain	3"

Main wash zone

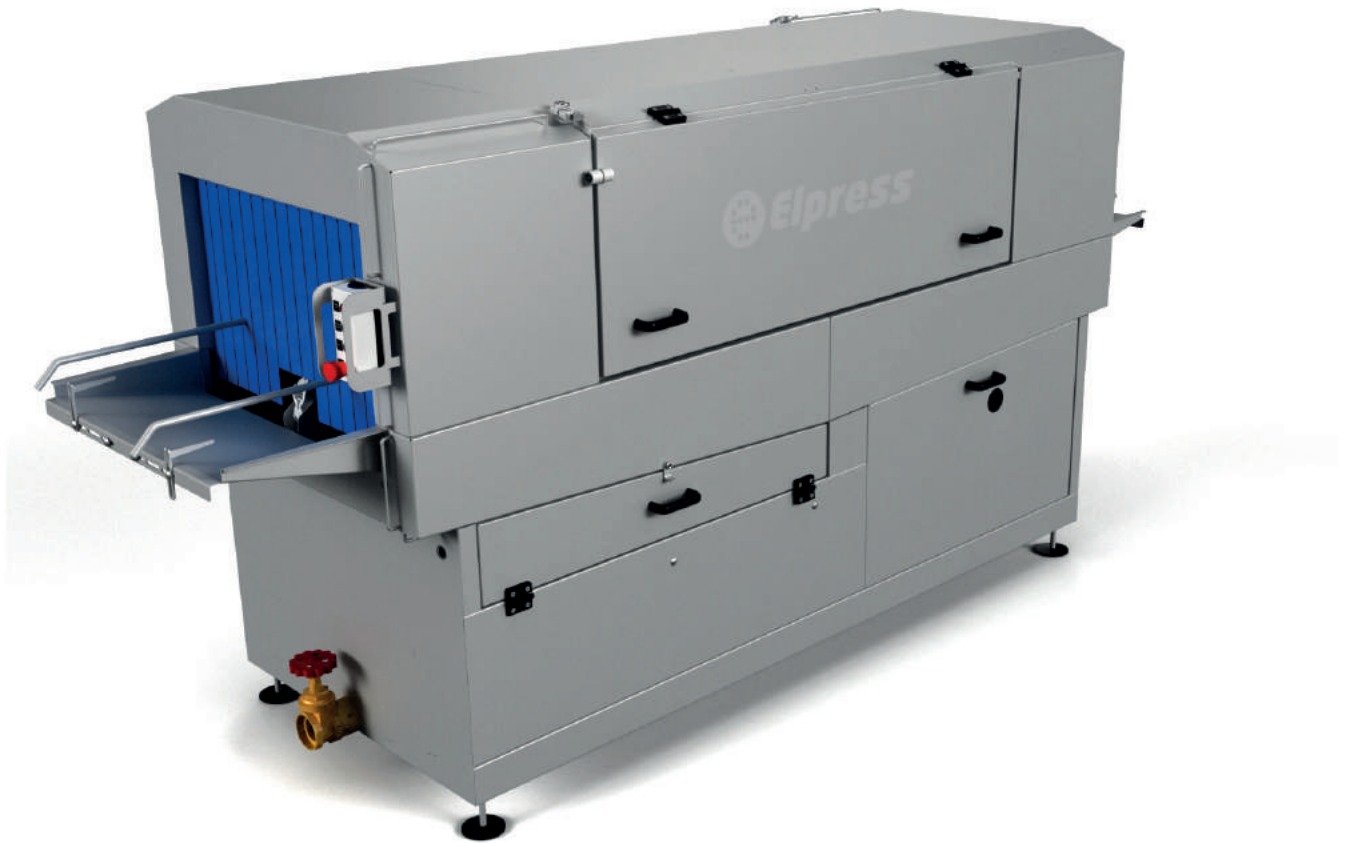
Length / mm	1500
Tank capacity / ltr	180
Output per pump / kW	1x 3.0
Pump capacity / m3 / hour	24
Nozzles	Stainless steel
Filter	Filter tray
Water connection	3/4"
Overflow	2"
Drain	3"

Rinse zone

Length / mm	Integrated
Tank capacity / ltr	-
Output per pump / kW	-
Pump capacity / m3 / hour	-
Nozzles	-
Filter	-
Water connection	1/2"
Overflow	-
Drain	-

Crate washer

EKW-2500



Overview

- Suitable for crates with maximum dimensions of 600 x 400 mm (based on E-crates).
- The capacity of this unit is a maximum of 400 crates per hour with a staying time of 45 seconds.
- The crates are passed through the unit with a track width of 400 or 600 mm.
- The maximum crate height is 300 mm.

Safety

- Emergency stop on control panel.
- Water level switch in wash tank to prevent the pumps from running dry.
- Protective cap over rotating parts.

Versions:

- ▶ EKW-2500
Main wash & rinse zone
Article number:
83101150
- ▶ EKW-2500 + EAB-1-ST
Main wash, rinse
& blow-off zone
Article number:
83101151

Case study

and technical information



The EKW-2500.

General	EKW-2500	EKW-2500 + EAB-1-ST	
Voltage	400V - 50Hz / 3 phase / earth	400V - 50Hz / 3 phase / earth	
Fuse / A	3 x 25 (from)	3 x 25 (from)	
Transport chain	Plastic	Plastic	
Drive / kW	0.18	0.18	
Water consumption/ ltr / crate	0.3 - 0.5	0.3 - 0.5	
Length / mm	3390	5907	
Width / mm	1231	1616	
Height / mm	1600	1600	
Per zone	Main wash zone	Rinse zone	Blow-off zone
Length / mm	2500	Integrated	2500
Tank capacity / ltr	350	-	-
Power per pump / kW	1 x 5.5	-	-
Capacity / m ³ / hour	42	-	1500 m ³ at 6000 Pa
Nozzles	Plastic click-nozzles	-	-
Filter	Filter tray	-	-
Water connection	1/2"	1/2"	-
Overflow	2 1/2"	-	-
Drain	3"	-	1/2"
Power per fan			1 x 5,5

Crate washer

EKW-3500



Overview

- Suitable for crates with maximum dimensions of 600 x 400 mm (based on E-crates).
- The capacity of this unit is a maximum of 560 crates per hour with a staying time of 45 seconds.
- The crates are passed through the unit with a track width of 400 or 600 mm.
- The maximum crate height is 300 mm.

Safety

- Emergency stop on control panel.
- Water level switch in wash tank to prevent the pumps from running dry.
- Protective cap over rotating parts.

Versions:

- ▶ EKW-3500
Main wash & rinse zone
Article number:
83101350
- ▶ EKW-3500 + EAB-1-ST
Main wash, rinse
& blow-off zone
Article number:
83101351

Case study

and technical information

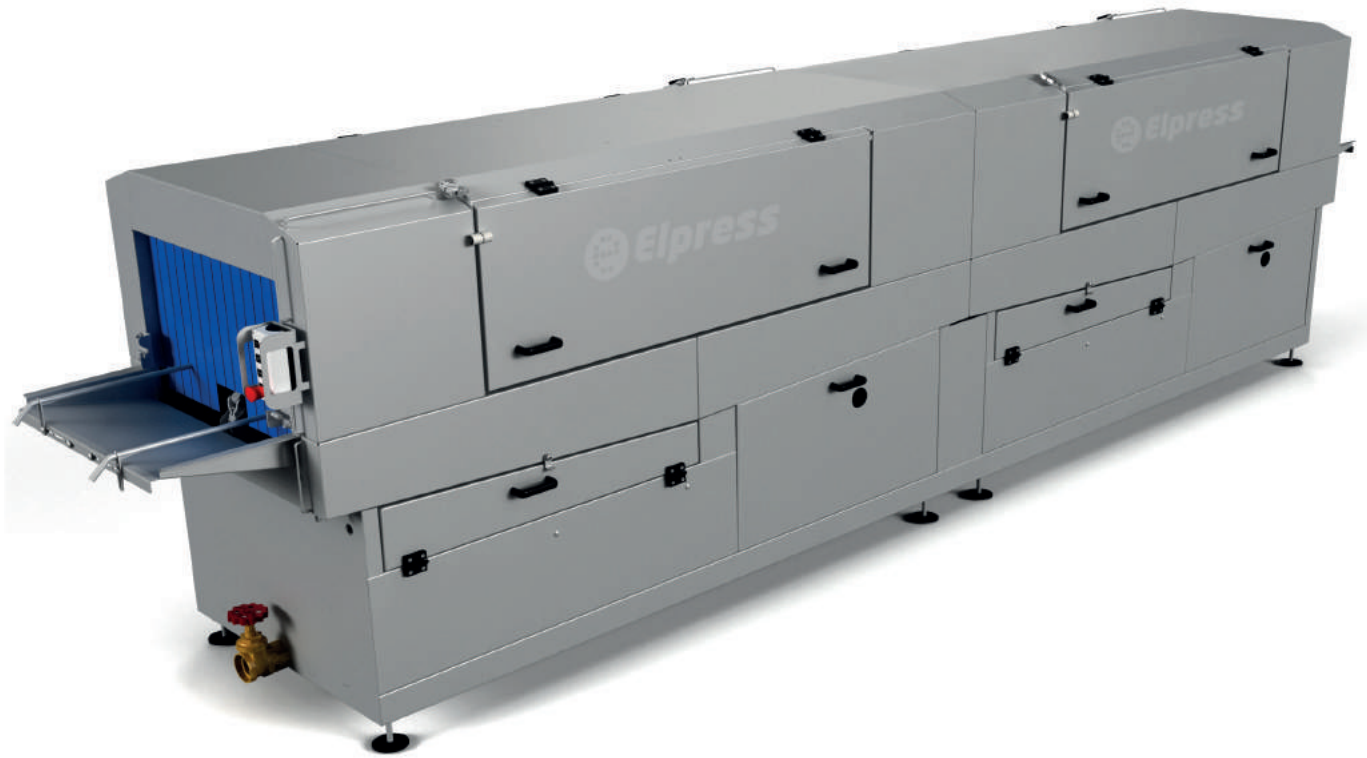


The EKW-3500, with optional one-person operation.

General	EKW-3500	EKW-3500 + EAB-1-ST	
Voltage	400V - 50Hz / 3 phase / earth	400V - 50Hz / 3 phase / earth	
Fuse / A	3 x 25 (from)	3 x 25 (from)	
Transport chain	Plastic	Plastic	
Drive / kW	0.18	0.18	
Water consumption/ ltr / crate	0.3 - 0.5	0.3 - 0.5	
Length / mm	4389	6888	
Width / mm	1231	1616	
Height / mm	1600	1600	
Per zone	Main wash zone	Rinse zone	Blow-off zone
Length / mm	3500	Integrated	2500
Tank capacity / ltr	350	-	-
Power per pump / kW	1 x 7.5	-	-
Capacity / m3 / hour	48	-	1500 m3 at 6000 Pa
Nozzles	Plastic click-nozzles	-	-
Filter	Filter tray	-	-
Water connection	1/2"	1/2"	-
Overflow	2 1/2"	-	-
Drain	3"	-	1/2"
Power per fan			1 x 5.5

Crate washer

EKW-5000



Overview

- Suitable for crates with maximum dimensions of 600 x 400 mm (based on E-crates).
- The capacity of this unit is a maximum of 800 crates per hour with a staying time of 45 seconds.
- The crates are passed through the unit with a track width of 400 or 600 mm.
- The maximum crate height is 300 mm.

Safety

- Emergency stop on control panel.
- Water level switch in wash tank to prevent the pumps from running dry.
- Protective cap over rotating parts.

Versions:

- ▶ EKW-5000
Pre-wash, main wash & rinse zone
Article number:
83101650
- ▶ EKW-5000 + EAB-2-ST
Pre-wash, main wash, rinse & blow-off zone
Article number:
83101651

Case study

and technical information



The EKW-5000, easy adjustment and replacement of nozzles.

General

	EKW-5000	EKW-5000 + EAB-2-ST
Voltage	400V - 50Hz / 3 phase / earth	400V - 50Hz / 3 phase / earth
Fuse / A	3 x 32 (from)	3 x 50 (from)
Transport chain	Plastic	Plastic
Drive / kW	0.18	0.18
Water consumption/ ltr / crate	0.3 - 0.5	0.3 - 0.5
Length / mm	5889	8389
Width / mm	1231	1616
Height / mm	1600	1600

Per zone

	Pre-wash zone	Main wash zone	Rinse zone	Blow-off zone
Length / mm	2500	2500	Integrated	2500
Tank capacity / ltr	350	350	-	-
Power per pump / kW	1 x 5.5	1 x 5.5	-	-
Capacity / m3 / hour	42	42	-	3000 m3 at 6000 Pa
Nozzles	Plastic click-nozzles	Plastic click-nozzles	-	-
Filter	Filter tray	Filter tray	-	-
Water connection	1/2"	1/2"	1/2"	-
Overflow	2 1/2"	2 1/2"	-	-
Waste	3"	3"	-	1/2"
Power per fan	-	-	-	2 x 5,5

Crate washer

EKW-6000



Overview

- Suitable for crates with maximum dimensions of 600 x 400 mm (based on E-crates).
- The capacity of this unit is a maximum of 960 crates per hour with a staying time of 45 seconds.
- The crates are passed through the unit with a track width of 400 or 600 mm.
- The maximum crate height is 300 mm.

Safety

- Emergency stop on control panel.
- Water level switch in wash tank to prevent the pumps from running dry.
- Protective cap over rotating parts.

Versions:

- ▶ EKW-6000
Pre-wash, main wash & rinse zone
Article number:
83101750
- ▶ EKW-6000 + EAB-2-ST
Pre-wash, main wash, rinse & blow-off zone
Article number:
83101751

Case study

and technical information



The EKW-6000, the filter tray is easy to take out.

General

Voltage	EKW-6000 400V - 50Hz / 3 phase / earth	EKW-6000 + EAB-2-ST 400V - 50Hz / 3 phase / earth
Fuse / A	3 x 32 (from)	3 x 63 (from)
Transport chain	Plastic	Plastic
Drive / kW	0.18	0.18
Water consumption/ ltr / crate	0.3 - 0.5	0.3 - 0.5
Length / mm	6888	9388
Width / mm	1231	1616
Height / mm	1600	1600

Per zone

	Pre-wash zone	Main wash zone	Rinse zone	Blow-off zone
Length / mm	2500	3500	Integrated	2500
Tank capacity / ltr	350	350	-	-
Power per pump / kW	1 x 5.5	1 x 7.5	-	-
Capacity / m3 / hour	42	48	-	3000 m3 at 6000 Pa
Nozzles	Plastic click-nozzles	Plastic click-nozzles	-	-
Filter	Filter tray	Filter tray	-	-
Water connection	1/2"	1/2"	1/2"	-
Overflow	3"	3"	-	-
Waste	3"	3"	-	1/2"
Power per fan	-	-	-	2 x 5,5

Crate washer

EKW-7000



Overview

- Suitable for crates with maximum dimensions of 600 x 400 mm (based on E-crates).
- The capacity of this unit is a maximum of 1120 crates per hour with a staying time of 45 seconds.
- The crates are passed through the unit with a track width of 400 or 600 mm.
- The maximum crate height is 300 mm.

Safety

- Emergency stop on control panel.
- Water level switch in wash tank to prevent the pumps from running dry.
- Protective cap over rotating parts.

Versions:

- ▶ EKW-7000
Pre-wash, main wash & rinse zone
Article number:
83101850
- ▶ EKW-7000 + EAB-2-ST
Pre-wash, main wash, rinse & blow-off zone
Article number:
83101851

Case study

and technical information



The EKW-7000, close-up of the control panel.

General

	EKW-7000	EKW-7000 + EAB-1-ST
Voltage	400V - 50Hz / 3 phase / earth	400V - 50Hz / 3 phase / earth
Fuse / A	3 x 40 (from)	3 x 63 (from)
Transport chain	Plastic	Plastic
Drive / kW	0.18	0.18
Water consumption/ ltr / crate	0.3 - 0.5	0.3 - 0.5
Length / mm	7888	10388
Width / mm	1231	1616
Height / mm	1600	1600

Per zone

	Pre-wash zone	Main wash zone	Rinse zone	Blow-off zone
Length / mm	3500	3500	Integrated	2500
Tank capacity / ltr	350	350	-	-
Power per pump / kW	1 x 7.5	1 x 7.5	-	-
Capacity / m3 / hour	48	48	-	3000 m3 at 6000 Pa
Nozzles	Plastic click-nozzles	Plastic click-nozzles	-	-
Filter	Filter tray	Filter tray	-	-
Water connection	1/2"	1/2"	1/2"	-
Overflow	3"	3"	-	-
Waste	3"	3"	-	1/2"
Power per fan	-	-	-	2 x 5,5

Blow off units

EAB-ST



Overview

- The air blades produce a powerful 'cutting' air flow that blows excess water off the crates.
- The EAB-ST can be used as a modular option after a standard EKW crate washer.
- The blower units contain powerful 5.5 kW motors with a capacity of 1500 m³ at 6000 Pa.
- The motors are safely hidden away in the stainless steel enclosure.

Versions:

- ▶ EAB-1-ST*
1 fan
Article number: 83107010
- ▶ EAB-2-ST*
2 fans
Article number: 83107020

** Also available as an execution with thermocell housing.*

Case study

and technical information



The inner workings of the EAB-1-ST, the air blades 'cut' the residual water from the crate.

General

Voltage
Fuse / A
Transport chain
Drive / kW
Length / mm
Width / mm
Height / mm
Number of fans
Power per pump / kW
Capacity / m³ / hour
Drain

EAB-1-ST

400V - 50Hz / 3 phase / earth
Dependent on EKW
Plastic
0.18
2500
1231
1600
1
5.5
1500 m³ at 6000 Pa
1/2"

EAB-2-ST

400V - 50Hz / 3 phase / earth
Dependent on EKW
Plastic
0.18
2500
1231
1600
2
5.5
3000 m³ at 6000 Pa
1/2"

Options and accessories

EKW serie



Dosing pump for cleaning or rinsing agent



Vapour extraction



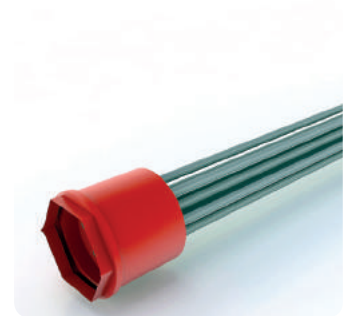
Adjustable speed of transport chain through frequency controller



Steam injection



Hot water coil



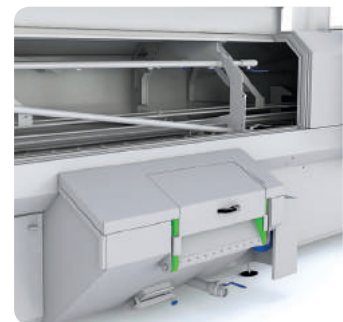
Electrical element



One-person operation



Infeed and outfeed conveyor



Rotating wedge-wire filter



Increased crate height crates up to 400 mm



Mobile version



Digital thermometer

Options and accessories

EKW serie

Article number	Description	Model					
		1500	2500	3500	5000	6000	7000
83109110	Dosing pump for cleaning agent	✓	✓	✓	✓	✓	✓
83109120	Dosing pump for rinse agent	✓	✓	✓	✓	✓	✓
83109021	Vapour extraction		✓	✓	✓	✓	✓
83109002	Heating by steam injection - max. 8 bar		✓	✓	✓	✓	✓
83109005	Heating by hot water coil		✓	✓	✓	✓	✓
83109012	Heating by electrical element - 12 kW	✓					
83109015	Heating by electrical element - 20 kW		✓	✓	✓	✓	✓
83109020	Heating by electrical element - 30 kW		✓	✓	✓	✓	✓
83109150	Mobile version	✓	✓	✓			
83108025	Adjustable speed of transport chain - frequency controller - 20 - 70 Hz		✓	✓	✓	✓	✓
83109050	Digital thermometer		✓	✓	✓	✓	✓
83101049	One-person operation EKW-1500	✓					
83101050	One-person operation EKW-2500		✓				
83101051	One-person operation EKW-3500			✓			
83108000	Infeed conveyor with transport rollers - 1 metre		✓	✓	✓	✓	✓
83108010	Outfeed conveyor with transport rollers - 1 metre		✓	✓	✓	✓	✓
78800255	Plastic crate guides EKW-1500	✓					
78800254	Plastic crate guides EKW-2500/3500		✓	✓			
78800248	Plastic crate guides EKW-5000/6000/7000				✓	✓	✓
83108080	Rotating wedge-wire filter		✓	✓	✓	✓	✓
83108081	Wedge-wire filter tray		✓	✓	✓	✓	✓
83108055	Increased crate height: crates up to 400 mm EKW-2500/3500		✓	✓			
83108065	Increased crate height: crates up to 400 mm EKW-5000/6000/7000				✓	✓	✓
83107005	Upgrade from EAB-1-ST to EAB-2-ST blower unit		✓	✓			



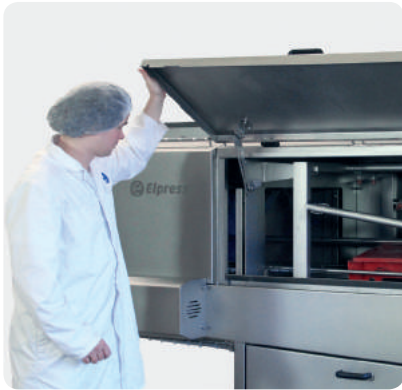
Plastic crate guides

Case studies

EKW series



◀ One-person operation



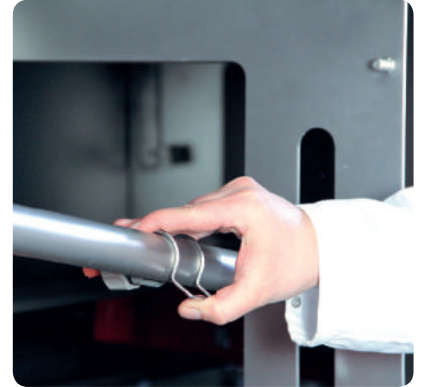
◀ Practical wing doors



◀ Solid plastic chain



◀ Accessible filter tray



Click-nozzles ▶
Step 1



Click-nozzles ▶
Step 2



Click-nozzles ▶
Step 3



Click-nozzles ▶
Step 4

Case studies

EKW series



◀ One-person operation;
adjustable and removable

Inserting crates during ▶
one-person operation



◀ Vapour extraction

One-person operation ▶



◀ EKW-3500 in practice

EKW interior ▶



◀ EKW 2500 with vapour extraction

EKW 3500 with one-person operation ▶

