



VK
PULL-THROUGH
CRATE WASHERS

KROMO
YOUR SMART WASH



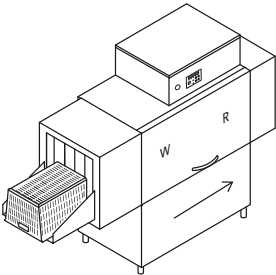
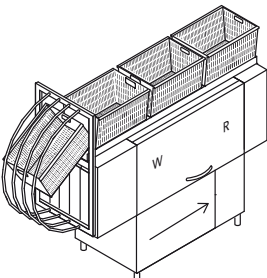
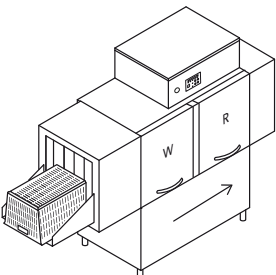
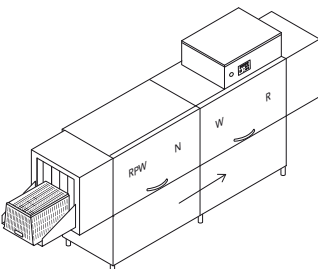
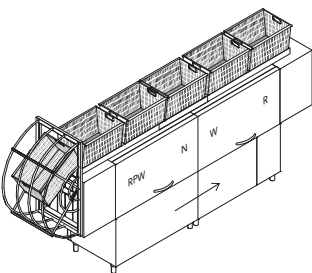
VK models are conceived to wash a large quantity of crates and containers of any kind. They represent the ideal solution for bakeries, pastries and for the general food industry, which require a seamless flow of clean containers. Thanks to all available versions and to the possibility to get personalized configurations, any kind of dirt can be removed. Several options are available, to provide the best fit into the wash area and minimize the need of efforts and labor.

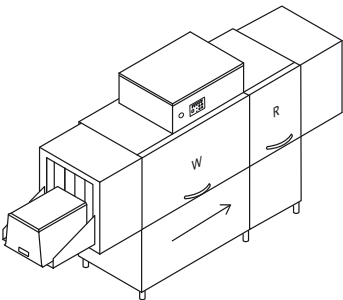
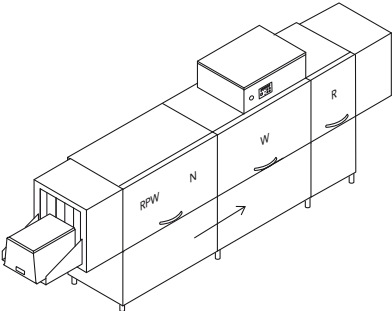
The VK line is designed to provide, mainly in the bakery sector, stunning results at low running costs, allowing remarkable savings under each aspect of its usage. The range is composed of 9 models, all suitable for the general food-industry who needs to wash and sanitize a large number of crates every day. Versatility is one of the most prominent advantages of this line, combined with easy operations and absolute cleanness, according to the strictest hygiene prescriptions.



FEATURES

- Electrical or steam-heated VK 2310, VK 3010 and VK 4010
- Middle-rail system, perfect to wash crates of any width. In addition, our VK 2310 + KP23, VK 3010 + KP23 and VK 4010 + KP23 models are equipped with an innovative top-down loading system allowing a "one-person-only" operation
- Two operating speeds
- Double-wall body in stainless steel AISI 304
- ACID PROOF radial wash tanks and boilers in s/s AISI 316; fully insulated boilers to minimize thermal loss
- Self-cleaning vertical wash pumps, protected from electrical overloads
- Double-skin doors with THERMO BARRIER device, insulated and counterbalanced, equipped with anti-fall safety device.
- CLEAN+ surface filters in stainless steel
- Easily removable wash and rinse arms in stainless steel
- S/S adjustable feet
- Inlet chute and splash-guard modules at both ends
- Anti-contamination curtains
- Consumptions economizers
- Electronic panel with IPX5 membrane keyboard, ensuring a constant monitoring of operating parameters
- Autotimer, switching off the rack conveyor motor and all electrical devices after a pre-set lapse of inactivity
- Centralized drain 1-DRAIN for VK 2310 and VK 2810 models

Model	Voltage	Capacity	Dimensions	Code
VK 2310				
	400 V 3N ~ 50 Hz 30 kW	 510x500 H	2600x805x1830/2120 H 270 kg	VK 2310
	400 V 3N ~ 50 Hz 2,4 kW 45 kg/h	1,5-2,0 m/min		VK 2310 V
VK 2310 + KP23 Upper loading system				
	400 V 3N ~ 50 Hz 30 kW	 510x500 H 1,5-2,0 m/min	2710x805x2075/2120 H 280 kg	VK 2310 + KP23
VK 2810				
	400 V 3N ~ 50 Hz 33 kW	 510x800 H 1,5-2,0 m/min	2800x805x2130/2720 H 310 kg	VK 2810
VK 3010 - VK 4010				
	400 V 3N ~ 50 Hz 37 kW 3,7 kW - 54 kg/h	 510x500 H	4100x805x1830/2120 H 455 kg	VK 3010
	400 V 3N ~ 50 Hz 41 kW 4,6 kW - 59 kg/h	2,0-2,6 m/min (VK 3010)		VK 3010 V
		2,6-4,0 m/min (VK 4010)		VK 4010
				VK 4010 V
VK 3010 + KP23 - VK 4010 + KP23 Upper loading system				
	400 V 3N ~ 50 Hz 37 kW	 510x500 H	4210x805x2075/2120 H 505 kg	VK 3010 + KP23
	400 V 3N ~ 50 Hz 41 kW	2,0-2,6 m/min (VK 3010) 2,6-4,0 m/min (VK 4010)		VK 4010 + KP23

Model	Voltage	Capacity	Dimensions	Code
VK 2510 For non-perforated crates				
	400 V 3N ~ 50 Hz 30 kW	 510x500 H	3200x805x1830/2120 H 270 kg	VK 2510
		1,5-2,0 m/min		
VK 3510 For non-perforated crates				
	400 V 3N ~ 50 Hz 37 kW	 510x500 H	4700x805x1830/2120 H 455 kg	VK 3510
		2,0-2,6 m/min		

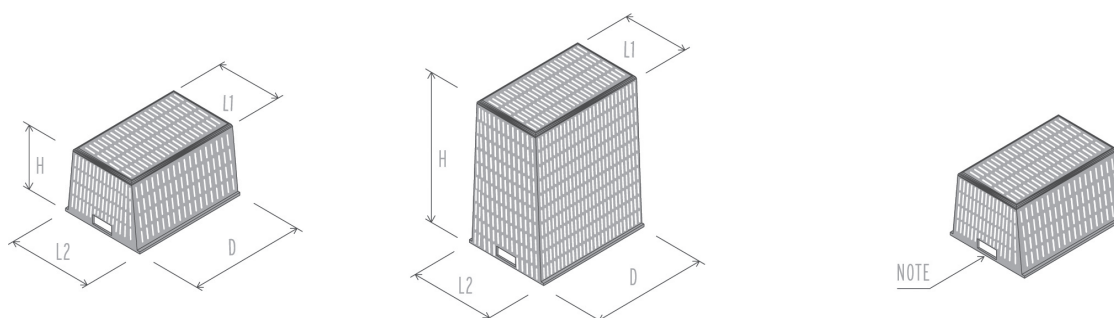
- W** Wash
- R** Rinse
- N** Neutral zone
- RPW** Reinforced prewash
- V** Steam heated

EAC label upon request

Option compatibility to be confirmed by the manufacturer after verification

	H max	min < L1 < max	min < L2 < max	Depth max
VK 2310 - VK 3010 - VK 4010	500	400< L1 <510	400*< L2 <510	600
VK 3010 - VK 4010 + DRYER	500	400< L1 <510	400*< L2 <510	600
VK 2810	800	400< L1 <510	400*< L2 <510	600
VK 2310 + KP23 - VK 3010 + KP23 - VK 4010 + KP23	500	400< L1 <470	400*< L2 <510	600
VK 2510 - VK 351	500	400< L1 <510	400*< L2 <510	600

* Verify with the manufacturer



NOTE: Should you need to wash baskets with non-standard handles or dimensions, please contact our technical department

OPTIONS

			XP	DDE-GROUP	PI	DRIVE	AUTOTIMER
Model	220-240 V 3 50 Hz	60 Hz	Extra Power	Dispensers kit	S/S pumps	Smart drive	Autotimer
VK 2310	€	+ 3%	€	€	€	€	●
VK 2310 V	€	+ 3%	----	€	€	€	●
VK 2310 + KP23	€	+ 3%	€	€	€	€	●
VK 2810	€	+ 3%	€	€	€	€	●
VK 3010	€	+ 3%	€	€	€	€	●
VK 3010 V	€	+ 3%	----	€	€	€	●
VK 3010 + KP23	€	+ 3%	€	€	€	€	●
VK 4010	€	+ 3%	€	€	€	€	●
VK 4010 V	€	+ 3%	----	€	€	€	●
VK 4010 + KP23	€	+ 3%	€	€	€	€	●
VK 2510	€	+ 3%	€	€	€	€	●
VK 3510	€	+ 3%	€	€	€	€	●

● Standard

---- Not available

DDE-GROUP Both detergent (with probe) and rinse-aid dispensers included

PI Available with 50 Hz frequency only

DRIVE Check voltage compatibility

Warm water supply 55 °C

We recommend to install the machine in a well ventilated room, with a properly sized steam exhausting system

Option compatibility to be confirmed by the manufacturer after verification

	DOS/S	PAP	DIV	1-DRAIN	DWI	BT	DVGW
Model	Dispenser with probe	Booster pump	Price per division	Centralized drain	Thermoacoustic insulation	Break Tank	DVGW
VK 2310	€	€	€	●	€	€	€
VK 2310 V	€	€	€	●	€	€	€
VK 2310 + KP23	€	€	€	●	€	€	€
VK 2810	€	€	€	●	€	€	€
VK 3010	€	€	€	€	€	€	€
VK 3010 V	€	€	€	€	€	€	€
VK 3010 + KP23	€	€	€	€	€	€	€
VK 4010	€	€	€	€	€	€	€
VK 4010 V	€	€	€	€	€	€	€
VK 4010 + KP23	€	€	€	€	€	€	€
VK 2510	€	€	€	●	€	€	€
VK 3510	€	€	€	€	€	€	€

DOS/S For detergent dispenser only

DWI Insulation option for the tunnel only, dryer excluded. Recommended with KHR10 – KHR20 – KHRP40

BT Booster pump included

DVGW Not available with heat recovery and steam condenser
Components prescribed by DVGW on request (check option compatibility with the manufacturer)

+ KP23 Upper sliding support for crates with maximum width 475 mm

OPTIONS

	KDR94	KDR99	KDR9V	KTB94	KTB99	KTB9V
Model	Dryer + 700 mm / 4,5 kW	Dryer + 700 mm / 9 kW	Steam dryer + 700 mm	Dryer on module with blowers	Dryer on module with blowers	Steam dryer on module with blowers
VK 2310	€	€	----	€	€	----
VK 2310 V	----	----	€	----	----	€
VK 2310 + KP23	----	----	----	----	----	----
VK 2810	----	----	----	----	----	----
VK 3010	€	€	----	€	€	----
VK 3010 V	----	----	€	----	----	€
VK 3010 + KP23	----	----	----	----	----	----
VK 4010	€	€	----	€	€	----
VK 4010 V	----	----	€	----	----	€
VK 4010 + KP23	----	----	----	----	----	----
VK 2510	€	€	----	€	€	----
VK 3510	€	€	----	€	€	----

● Standard

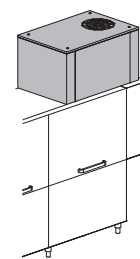
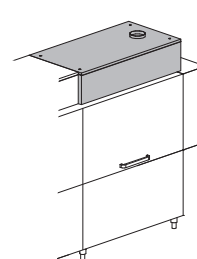
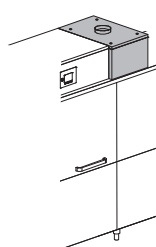
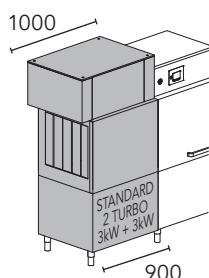
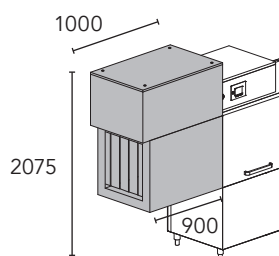
---- Not available

ALL DRYERS Ask the producer for effectiveness on drying results according to the basket to wash. The insulation of the dryers is not available

KDR94 With VK 3010, VK 4010 and VK 3510 HD, optional not ideal, verify with manufacturer

With osmotic water supply and electrical conductivity lower than 200 microsiemens, it is mandatory to install a stainless steel heat exchanger

Option compatibility to be confirmed by the manufacturer after verification



KDR94 4,5 kW

KDR99 9 kW

Dryer

KDR9V

Steam heated dryer

KTB94 11,6 kW

KTB99 16,1 kW

Dryer on module with blowers

KTB9V 7,1 Kw

Steam heated dryer on module with blowers

KSC10

Steam condenser

KHR10

Compact heat recovery

KHR20

Heat recovery

KHRP40

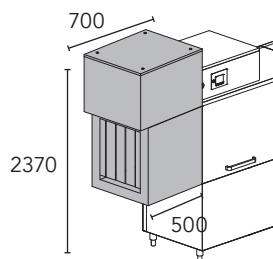
Heat recovery with heat pump

	KDR54	KDR59	KSC10	KHR10	KHR20	KHRP40
Model	Dryer 4,5 kW	Dryer 9 kW	Steam Condenser	Heat Recovery	Heat Recovery	Heat Recovery
VK 2310	----	----	€	€	----	----
VK 2310 V	----	----	€	€	----	----
VK 2310 + KP23	----	----	----	----	----	----
VK 2810	€	€	€	€	----	----
VK 3010	----	----	€	€	€	€
VK 3010 V	----	----	€	€	€	€
VK 3010 + KP23	----	----	----	----	----	----
VK 4010	----	----	€	€	€	€
VK 4010 V	----	----	€	€	€	€
VK 4010 + KP23	----	----	----	----	----	----
VK 2510	----	----	€	€	----	----
VK 3510	----	----	€	€	€	€

**KHR10 - KHR20 -
KHRP40
XP**

In case of cold water supply for rinse (8-15 °C), we recommend to install the heat recovery system option
In case of cold water supply for rinse (8-55 °C) and without any heat recovery, the extra power option is mandatory. In case of cold water supply for rinse (8-15 °C), we recommend the heat recovery option.

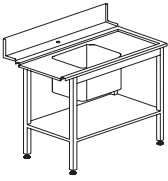
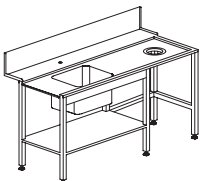
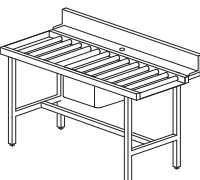
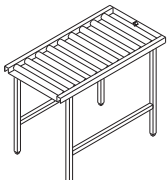
We strongly recommend the presence of a roller table with end microswitch at the exit of our rack conveyor machines for a correct operation



KDR54 4,5 kW

KDR59 9 kW

Dryer

	Description	Capacity	Dimensions	Code	
	TABLE + SINK	Sink 500x400x270 H	1200x730x860 H	K 55	
	TABLE + SINK	Sink 500x400x270 H	1500x730x860 H	K 8	
		Standard rubber ring	1800x730x860 H	K 9	
	ROLLER TABLE + SINK right or left version	Sink 500x400x270 H	1600x730x860 H	K 195	
	LINEAR ROLLER TABLE WITH TANK		1100x650x860 H	K 19*	
			1600x650x860 H	K 19/B*	
			2100x650x860 H	K 19/C*	
		Option end microswitch		K 18	

* Wooden cage +2% minimum + €

Special dimensions for tables upon request

We strongly recommend the presence of a roller table with end microswitch at the exit of our rack conveyor machines for a correct operation



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