

**VX**

PULL-THROUGH  
CRATE WASHERS

**DIHR**  
we mean clean



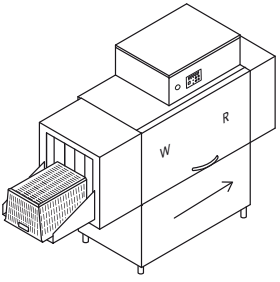

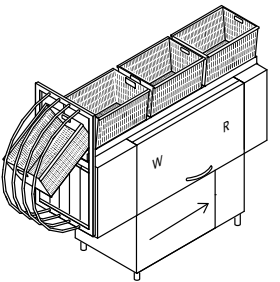

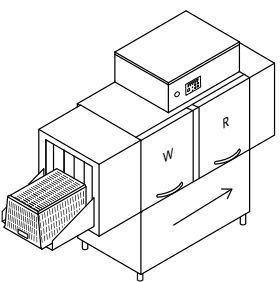

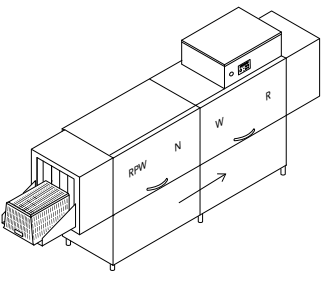

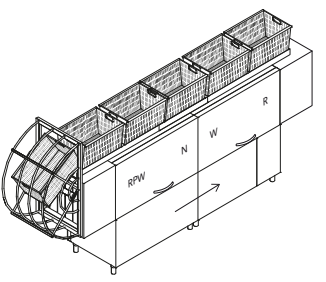

VX models are conceived to wash a large quantity of crates and containers of any kind. They represent the ideal solution for bakeries, pastries and for the general food industry, which require a seamless flow of clean containers. Thanks to all available versions and to the possibility to get personalized 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.

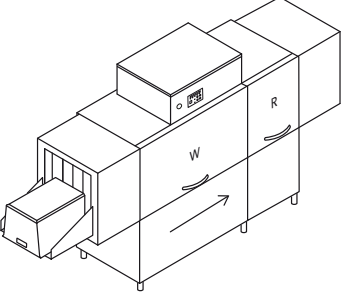
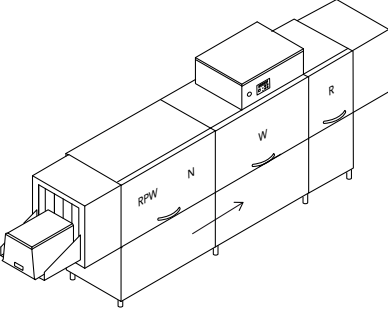
The VX line is designed to provide, mainly in the bakery sector, stunning results at low running costs, allowing remarkable savings under each aspect of its usage. The range is composed of 9 models, all suitable for the general food-industry who needs to wash and sanitize a large number of crates every 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 VX 231, VX 301 and VX 401
- Middle-rail system, perfect to wash crates of any width. In addition, our VX 231 SPECIAL, VX 301 SPECIAL and VX 401
- SPECIAL 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 VX 231 and VX 281 models

Model	Voltage	Capacity	Dimensions	Code
<b>VX 231</b>				
	400 V 3N ~ 50 Hz 30 kW	 510x500 H	2600x805x1830/2120 H 270 kg	<b>VX 231</b>
	400 V 3N ~ 50 Hz 2,4 kW 45 kg/h	1,5-2,0 m/min		<b>VX 231 V</b>
<b>VX 231 SPECIAL</b>				
Upper loading system				
	400 V 3N ~ 50 Hz 30 kW	 510x500 H 1,5-2,0 m/min	2710x805x2075/2120 H 280 kg	<b>VX 231 SPECIAL</b>
<b>VX 281</b>				
	400 V 3N ~ 50 Hz 33 kW	 510x800 H 1,5-2,0 m/min	2800x805x2130/2720 H 310 kg	<b>VX 281</b>
<b>VX 301 - VX 401</b>				
	400 V 3N ~ 50 Hz 37 kW 3,7 kW - 54 kg/h	 510x500 H 2,0-2,6 m/min (VX 301) 2,6-4,0 m/min (VX 401)	4100x805x1830/2120 H 455 kg	<b>VX 301</b>
				<b>VX 301 V</b>
	400 V 3N ~ 50 Hz 41 kW 4,6 kW - 59 kg/h			<b>VX 401</b>
				<b>VX 401 V</b>
<b>VX 301 SPECIAL - VX 401 SPECIAL</b>				
Upper loading system				
	400 V 3N ~ 50 Hz 37 kW	 510x500 H 2,0-2,6 m/min (VX 301) 2,6-4,0 m/min (VX 401)	4210x805x2075/2120 H 505 kg	<b>VX 301 SPECIAL</b>
	400 V 3N ~ 50 Hz 41 kW			<b>VX 401 SPECIAL</b>

Model	Voltage	Capacity	Dimensions	Code	Code
<b>VX 251</b>	For non-perforated crates				
	400 V 3N ~ 50 Hz 30 kW	510x500 H 1,5-2,0 m/min	3200x805x1830/2120 H 270 kg	<b>VX 251</b>	
<b>VX 351</b>	For non-perforated crates				
	400 V 3N ~ 50 Hz 37 kW	510x500 H 2,0-2,6 m/min	4700x805x1830/2120 H 455 kg	<b>VX 351</b>	

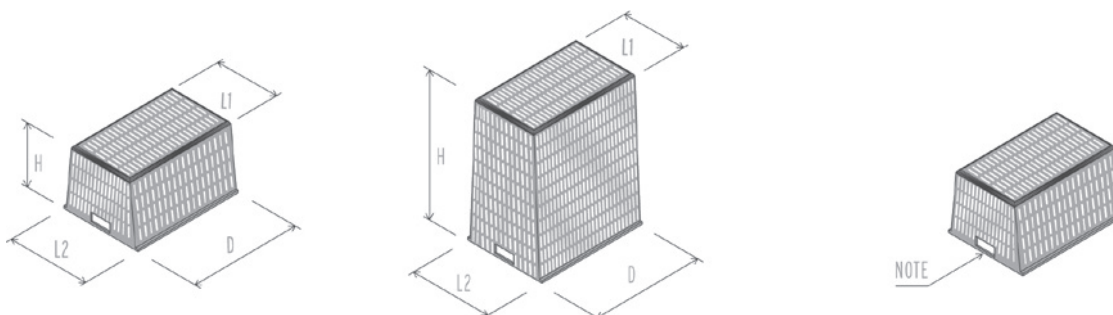
- W** Wash
- R** Rinse
- N** Neutral zone
- RPW** Reinforced prewash
- V** Steam heated

EAC label upon request

Option compatibility to be confirmed by the manufacturer after verification

	H max	min < L1 < max	min < L2 < max	Depth max
<b>VX 231 - VX 301 - VX 401</b>	500	400 < L1 < 510	400* < L2 < 510	600
<b>VX 301 - VX 401 + DRYER</b>	500	400 < L1 < 510	400* < L2 < 510	600
<b>VX 281</b>	800	400 < L1 < 510	400* < L2 < 510	600
<b>VX 231 SPECIAL - VX 301 SPECIAL - VX 401 SPECIAL</b>	500	400 < L1 < 470	400* < L2 < 510	600
<b>VX 251 - VX 351</b>	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
<b>VX 231</b>	€	+ 3%	€	€	€	€	●
<b>VX 231 V</b>	€	+ 3%	----	€	€	€	●
<b>VX 231 SPECIAL</b>	€	+ 3%	€	€	€	€	●
<b>VX 281</b>	€	+ 3%	€	€	€	€	●
<b>VX 301</b>	€	+ 3%	€	€	€	€	●
<b>VX 301 V</b>	€	+ 3%	----	€	€	€	●
<b>VX 301 SPECIAL</b>	€	+ 3%	€	€	€	€	●
<b>VX 401</b>	€	+ 3%	€	€	€	€	●
<b>VX 401 V</b>	€	+ 3%	----	€	€	€	●
<b>VX 401 SPECIAL</b>	€	+ 3%	€	€	€	€	●
<b>VX 251</b>	€	+ 3%	€	€	€	€	●
<b>VX 351</b>	€	+ 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
<b>VX 231</b>	€	€	€	●	€	€	€
<b>VX 231 V</b>	€	€	€	●	€	€	€
<b>VX 231 SPECIAL</b>	€	€	€	●	€	€	€
<b>VX 281</b>	€	€	€	●	€	€	€
<b>VX 301</b>	€	€	€	€	€	€	€
<b>VX 301 V</b>	€	€	€	€	€	€	€
<b>VX 301 SPECIAL</b>	€	€	€	€	€	€	€
<b>VX 401</b>	€	€	€	€	€	€	€
<b>VX 401 V</b>	€	€	€	€	€	€	€
<b>VX 401 SPECIAL</b>	€	€	€	€	€	€	€
<b>VX 251</b>	€	€	€	●	€	€	€
<b>VX 351</b>	€	€	€	€	€	€	€

**DOS/S** For detergent dispenser only

**DWI** Insulation option for the tunnel only, dryer excluded. Recommended with HR10 – HR20 – HRP40

**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)

**SPECIAL** Upper sliding support for crates with maximum width 475 mm

## OPTIONS

	DR94	DR99	DR9V	TB94	TB99	TB9V
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
<b>VX 231</b>	€	€	----	€	€	----
<b>VX 231 V</b>	----	----	€	----	----	€
<b>VX 231 SPECIAL</b>	----	----	----	----	----	----
<b>VX 281</b>	----	----	----	----	----	----
<b>VX 301</b>	€	€	----	€	€	----
<b>VX 301 V</b>	----	----	€	----	----	€
<b>VX 301 SPECIAL</b>	----	----	----	----	----	----
<b>VX 401</b>	€	€	----	€	€	----
<b>VX 401 V</b>	----	----	€	----	----	€
<b>VX 401 SPECIAL</b>	----	----	----	----	----	----
<b>VX 251</b>	€	€	----	€	€	----
<b>VX 351</b>	€	€	----	€	€	----

● Standard

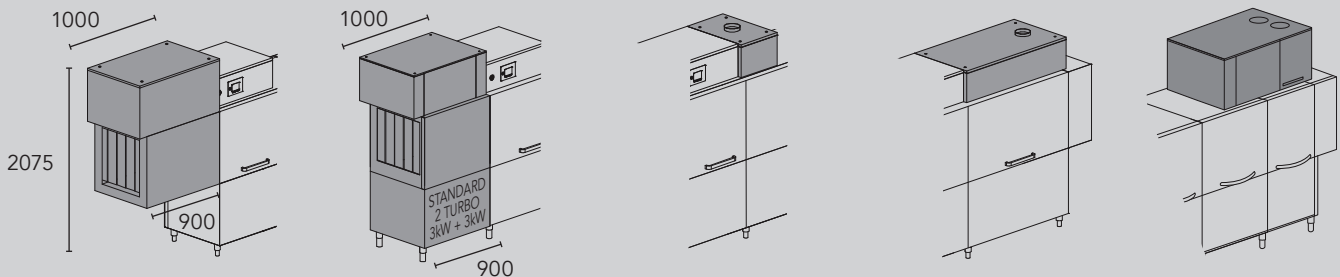
---- Not available

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

**DR94** With VX 301, VX 401 and VX 351 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



**DR94** 4,5 kW

**DR99** 9 kW

Dryer

**DR9V**

Steam heated dryer

**TB94** 11,6 kW

**TB99** 16,1 kW

Dryer on module with  
blowers

**TB9V** 7,1 kW

Steam heated dryer on  
module with blowers

**SC10**

Steam condenser

**HR10**

Compact heat recovery

**HR20**

Heat recovery

**HRP40**

Heat recovery with heat  
pump

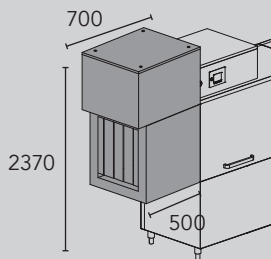


	DR54	DR59	SC10	HR10	HR20	HRP40
Model	Dryer 4,5 kW	Dryer 9 kW	Steam Condenser	Heat Recovery	Heat Recovery	Heat Recovery
<b>VX 231</b>	----	----	€	€	----	----
<b>VX 231 V</b>	----	----	€	€	----	----
<b>VX 231 SPECIAL</b>	----	----	----	----	----	----
<b>VX 281</b>	€	€	€	€	----	----
<b>VX 301</b>	----	----	€	€	€	€
<b>VX 301 V</b>	----	----	€	€	€	€
<b>VX 301 SPECIAL</b>	----	----	----	----	----	----
<b>VX 401</b>	----	----	€	€	€	€
<b>VX 401 V</b>	----	----	€	€	€	€
<b>VX 401 SPECIAL</b>	----	----	----	----	----	----
<b>VX 251</b>	----	----	€	€	----	----
<b>VX 351</b>	----	----	€	€	€	€

**HR10 - HR20 - HRP40** In case of cold water supply for rinse (8-15 °C), we recommend to install the heat recovery system option

**XP** 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.

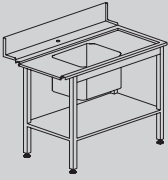
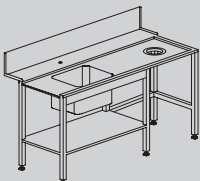
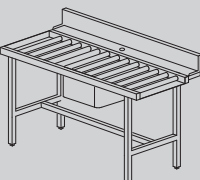
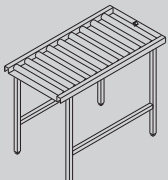
We strongly recommend the presence of a roller table with end microswitch at the exit of our rack conveyor machines for a correct operation



**DR54** 4,5 kW

**DR59** 9 kW

Dryer

	Description		Dimensions	Code
	TABLE + SINK	Sink 500x400x270 H	1200x730x860 H	<b>T 55</b>
	TABLE + SINK	Sink 500x400x270 H  Standard rubber ring	1500x730x860 H  1800x730x860 H	<b>T 80</b>  <b>T 90</b>
	ROLLER TABLE + SINK right or left version	Sink 500x400x270 H	1600x730x860 H	<b>T 195</b>
	LINEAR ROLLER TABLE WITH TANK	Option end microswitch	1100x650x860 H 1600x650x860 H 2100x650x860 H	<b>LC 96/A*</b> <b>LC 96/B*</b> <b>LC 96/C*</b> <b>LC 95</b>

\* 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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Edition 09.2023

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