



Time to get

# UPSTER



Professional warewashing technology from MEIKO:

**Cleaner. Faster. More economical.**



**UPster B**

# Clean solutions in all sizes

Every day brings another set of challenges. Plates, bowls, cutlery, trays, and multiple other types and sizes of ware all have to be cleaned and returned to a perfectly hygienic state ready for use.

But at the same time you need to keep costs down, minimise your use of resources and offer your employees good working conditions.

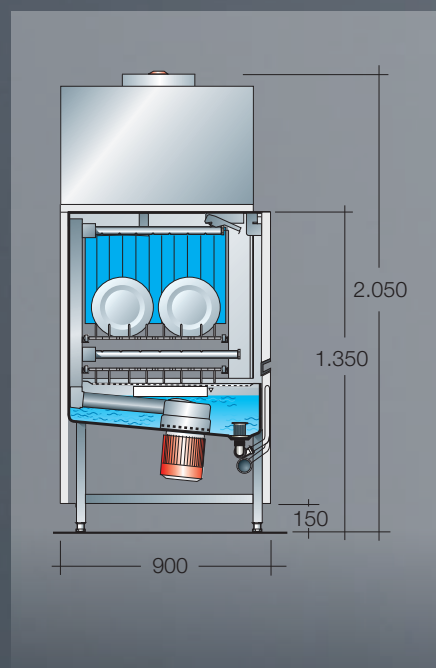
MEIKO has the clean solution you need: our modular system gives you the opportunity to create the best solution for you from a multitude of standard components. That's how MEIKO tailors itself to your needs.

These drawings show just a selection of flight type dishwashing machines created from our standard components.

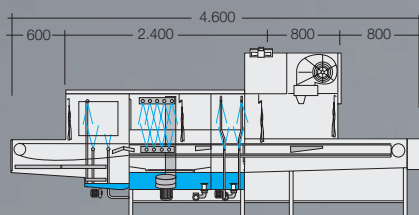
## All machines are also available

- as steam heated machines
- in reinforced inflight catering execution
- in execution for thermo-label testing 71 °C

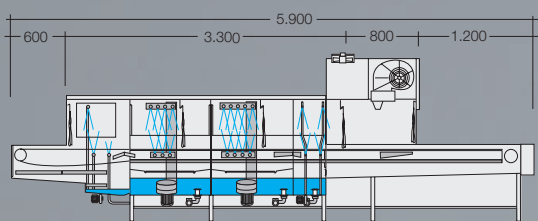
Passing width: 620 mm  
Passing height: 400 mm  
Working height: 900 mm



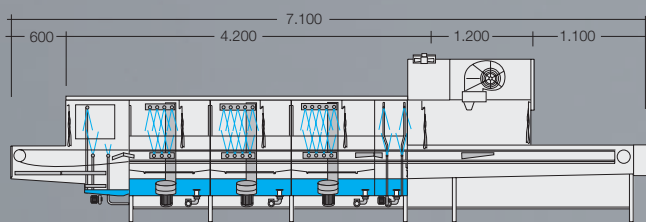
**UPSTER** B 190 P CSS-Top



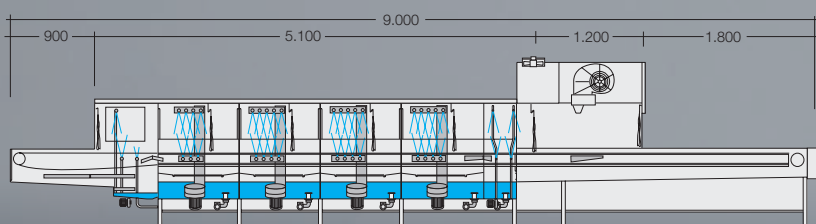
**UPSTER** B 230 VAP CSS-Top



**UPSTER** B 460 VAP CSS-Top



**UPSTER** B 690 VAP CSS-Top



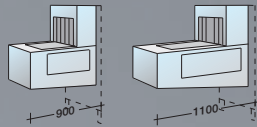




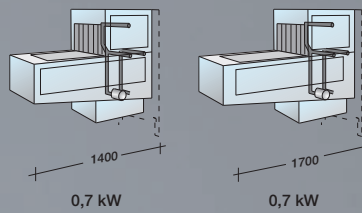
UPster B

## The MEIKO UPster B range – models and dimensions

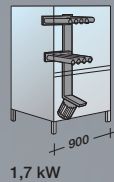
### Feeding sections



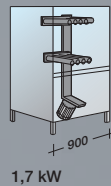
### Feeding sections with CSS-Top



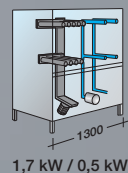
### Pre-wash zones



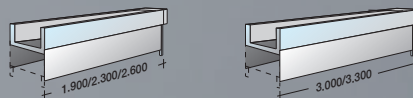
### Main wash zones



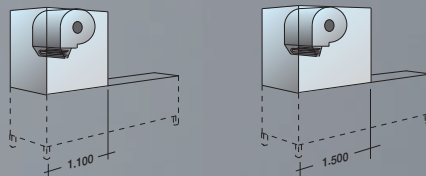
### Final rinse zone with pump final rinse and fresh water final rinse (AWS)



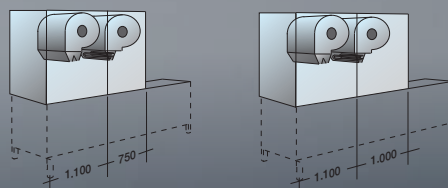
### Discharge sections



### Drying zones



### Outblowing zones with prolonged drying zones



Select the configuration that best suits you from our standard range of modular components. We can supply a custom-made MEIKO flight type dishwashing machine that meets all your needs and aspirations.

Note that the model description, performance data, connected loads and dimensions will vary depending on the components you choose.

# Concentrated technology – MEIKO UPster specifications

<b>UPster B</b> Flight type		<b>B 190 P</b> 2-tank machine	<b>B 190 P CSS-Top</b> 3-tank machine	<b>B 230 VAP</b> 3-tank machine
Number of optional belt speeds		3	3	3
m/min for 2 min. contact time acc. to DIN SPEC 10534		0.65	0.9	1.1
Contact distance	mm	1,300	1,800	2,200
Throughput plates/h for 2 min. contact time acc. to DIN 10510		1,500	2,000	2,500
Plates/h (max.) depends on the degree of soilage, drying time, type of dishes, etc.		2,200	2,900	3,500
Number of wash and rinse processes		3	5	5
Chemical saving system <b>CSS-Basic</b>		•		•
Pump capacity (kW)	<b>CSS-Top</b>		0.7	
	VA			1.7
	HW I	1.7	1.7	1.7
	HW II			
	HW III			
Circulation (l/min)	P	0.5	0.5	0.5
	<b>CSS-Top</b>		300	
	VA			1,380
	HW I	1,380	1,380	1,380
	HW II			
Connected load tank heating	HW III			
	P	60	60	60
Filling water	l	180	190	300
Final rinse quantity (AWS)	l/h	240	240	260
Connected load for final rinse	kW	13	11	13
Drying circulation	m³/h	3,460	3,460	3,460
Drying: connected load heater/blower	kW	6/0.3	6/0.3	6/0.3
Extraction volume	m³/h	800	800	800
Extraction air fan and drive	kW	0.3	0.3	0.3
Connected load motors	kW	3.4	4.2	5.1
Connected load heating units	kW	33	31	29
included <b>LEM</b> – Savings		8 %	9 %	16 %
included <b>AWS</b> – Savings of the final rinse water quantity		20 %	20 %	19 %

**CSS** = Chemical saving system

**VA** = Pre-wash zone

**HW** = Main wash zone(s)

**P** = Pump final rinse

CSS-Plus system in all models: pump capacity: 0.5 kW  
All kW values are given for 400 V, 50 Hz current and can vary ± 5 %



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<b>B 230 VAP</b> <i>CSS-Top</i> 4-tank machine	<b>B 460 VAP</b> 4-tank machine	<b>B 460 VAP</b> <i>CSS-Top</i> 5-tank machine	<b>B 690 VAP</b> 5-tank machine	<b>B 690 VAP</b> <i>CSS-Top</i> 6-tank machine
3	3	3	3	3
1.35	1.55	1.8	2.0	2.25
2,700	3,100	3,600	4,000	4,500
3,000	3,500	4,000	4,500	5,000
4,100	6,100	6,600	7,700	8,000
6	6	7	7	7
	•		•	
0.7		0.7		0.7
1.7	1.7	1.7	1.7	1.7
1.7	1.7	1.7	1.7	1.7
	1.7	1.7	1.7	1.7
0.5	0.5	0.5	0.5	0.5
300		300		300
1,380	1,380	1,380	1,380	1,380
1,380	1,380	1,380	1,380	1,380
	1,380	1,380	1,380	1,380
60	60	60	60	60
10	2x10	2x10	3x10	3x10
310	420	430	540	550
260	300	300	340	340
12	15	13	18	16
3,460	3,460	3,460	3,460	3,460
6/0.3	6/0.3	6/0.3	6/0.3	6/0.3
800	800	800	800	800
0.3	0.3	0.3	0.3	0.3
5.9	6.8	7.6	8.5	9.3
27	43	39	55	53
17 %	12 %	13 %	11 %	11 %
19 %	17 %	17 %	15 %	15 %

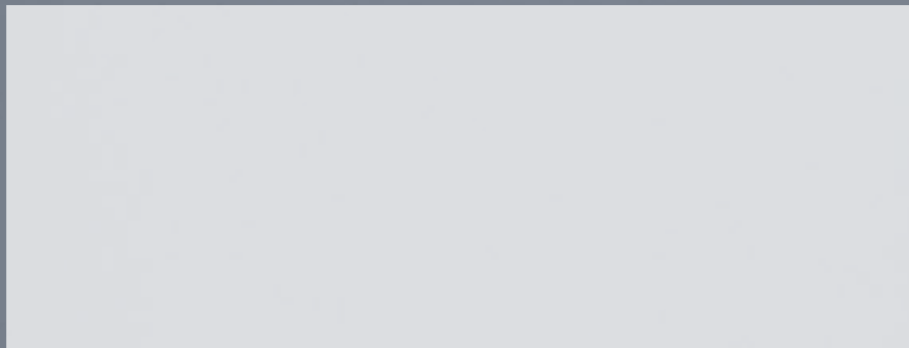
In execution for thermo-label testing 71 °C (higher connected load)

① The rating of the final rinse water heater foresees a heat recovery condenser

② Exhaust requirements and emissions are given on the installation plan according to precise definition of machine design

# Helping to create a clean world

MEIKO is a bubbling fountain of ideas, a place where experienced engineers work together to make our world cleaner and more hygienic. Our clean solutions made in Germany have won worldwide acclaim. Find out more about our powerful undercounter machines and fully automatic all-round systems for hotels, restaurants, butcheries, bakeries, hospitals and care homes.



We reserve the right to amend specifications as part of our product improvement process.

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**MEIKO Maschinenbau GmbH & Co. KG** · Englerstr. 3 · 77652 Offenburg · Germany  
Tel. +49 (0)781 203-0 · Fax +49 (0)781 203-1179 · [www.meiko.de](http://www.meiko.de) · [info@meiko.de](mailto:info@meiko.de)