

WD ICS+ models

Pre-wash zone without intermediate rinse 1

The items are washed with a weak solution of detergent and water at a temperature of approx. 40°C. Surplus water from the final rinse and chemical wash is reused in the zone.

Pre-wash zone with intermediate rinse 2

The intermediate rinse 2, rinses-off the remaining dirty water before entering the chemical wash zone 3. The machine can then be used for a longer period without the water needing to be changed. This saves water and detergent.

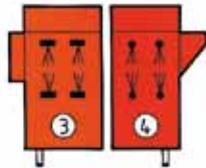
Chemical wash zone 3

During the chemical wash zone 3, the goods are washed with washing water at a temperature of 60°C. Grease needs water to be over 50°C to dissolve properly and detergent works best at around 60°C.

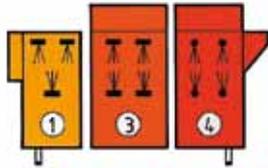
Double final rinse zone 4

The double final rinse 4 reduces the amount of fresh water use and gives the best possible rinse results. Items are first rinsed with reused water and then with fresh water at a temperature of 85°C. Approx. 25% of the surplus water from the zone is reused in the chemical wash tank. The remaining 75% is taken to the pre-wash (WD-213) and to the intermediate rinse (WD-243-423 machines).

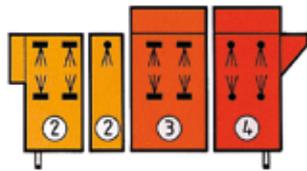
WD-153 ICS+



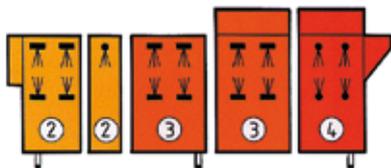
WD-213 ICS+



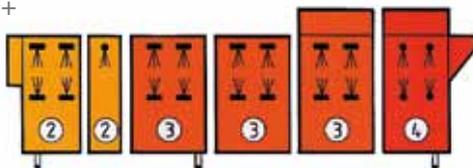
WD-243 ICS+



WD-333 ICS+



WD-423 ICS+



Zone

Zone length in mm

WD-153 ICS+

Steam hood	170
3 Chemical wash	900
4 Double final rinse	585
Total length	1655 *

WD-213 ICS+

Steam hood	170
1 Pre-wash without intermediate rinse	600
3 Chemical wash	900
4 Double final rinse	585
Total length	2255 *

WD-243 ICS+

Steam hood	170
2 Pre-wash with intermediate rinse	900
3 Chemical wash	900
4 Double final rinse	585
Total length	2555 *

WD-333 ICS+

Steam hood	170
2 Pre-wash with intermediate rinse	900
3 Chemical wash	1800
4 Double final rinse	585
Total length	3455 *

WD-423 ICS+

Steam hood	170
2 Pre-wash with intermediate rinse	900
3 Chemical wash	2700
4 Double final rinse	585
Total length	4355 *

* Applies to the installation length at bench height. To include the steam hood (out feed), an additional 280 mm should be added. (see dimensions)

Technical data WD-ICS+

Capacity and operation data	WD-153	WD-213	WD-243	WD-333	WD-423
Capacity (baskets/h)	60-260	80-260	85-260	110-260	135-305
Capacity according to DIN 10510 (baskets/h)	80	120	140	190	245
Max capacity interlocked booster heater (baskets/h)	150	200	200	220	230
Cold water consumption, final rinse normal (litres/baskets) *	1.4	1.3	1.2	1.1	1.0
Cold water consumption, final rinse according to DIN 10510 (litres/h)	112	156	168	209	245

* In combination with PRM the water consumption is further lowered with 0,1 litre

Technical data	WD-153	WD-213	WD-243	WD-333	WD-423
Pump, pre wash (kW)	-	1.5	1.5	1.5	1.5
Pump, chemical wash 1 (kW)	1.5	1.5	1.5	1.5	1.5
Pump, chemical wash 2 (kW)	-	-	-	1.5	1.5
Pump, chemical wash 3 (kW)	-	-	-	-	1.5
Pump, recirculated final rinse (kW)	0.11	0.11	0.11	0.11	0.11
Condensing fan (kW)	0.12	0.12	0.12	0.12	0.12
Motor, feeder (kW)	0.12	0.12	0.12	0.12	0.12
Booster heater 1 (kW)	9*	12*	12*	12*	12*
Booster heater 2 (kW)	9	12	12	12	12
Heater, chemical wash 1 (kW)	12	12	12	9	9
Heater, chemical wash 2 (kW)	-	-	-	9	9
Heater, chemical wash 3 (kW)	-	-	-	-	9
Heat recovery unit, cooling area (m ²)	25	25	25	25	25
Condensing fan, capacity (m ³ /tim)	100	100	100	100	100
Tank volume, pre wash tank (litres)	-	51	77	77	77
Tank volume, wash tank 1 (litres)	100	100	100	100	100
Tank volume, wash tank 2 (litres)	-	-	-	100	100
Tank volume, wash tank 3 (litres)	-	-	-	-	100
Tank volume, final rinse tank (litres)	6	6	6	6	6
Weight, machine in operation (kg)	490	625	655	900	1020
Degree of protection (IP)	55	55	55	55	55
Max. surface temp. at room temp. 20°C (°C)	35	35	35	35	35
Sound level**(dB(A))	68	68	68	68	68

* Interlocked if needed, see capacity

** Measured 1 metre from the machine

Connection, electrically heated machine	WD-153	WD-213	WD-243	WD-333	WD-423
Total connected power (kW) interlocked booster heater (kW)*	23.6	28.1	28.1	35.6	46.1
Total connected power (kW)	32.6	40.1	40.1	47.6	58.1
Main fuse 400V 3N~ (A)*	50	63	63	80	100
Max.conn.area 400V** 3N~ (L1-L3,N,PE) Cu (mm ²)	35	35	35	35	35

* See capacity

** Other voltages on request

Connection, steam heated machine 150-250 kPa*	WD-153	WD-213	WD-243	WD-333	WD-423
Total conn.power (kW)	1.9	3.4	3.4	4.5	6.0
Main fuse 400V 3N~ (A)	16	20	20	20	20
Max.conn.area 400V 3N~ (L1-L3, N, PE) Cu (mm ²)	35	35	35	35	35
Steam (internal thread)	R ¾"	R ¾"	R ¾"	R 1"	R 1"
Condense water (internal thread)	R ¾"				
Steam consumption* (kg/h)	45	50	50	60	65

* Other pressure on request

Technical data WD-ICS+

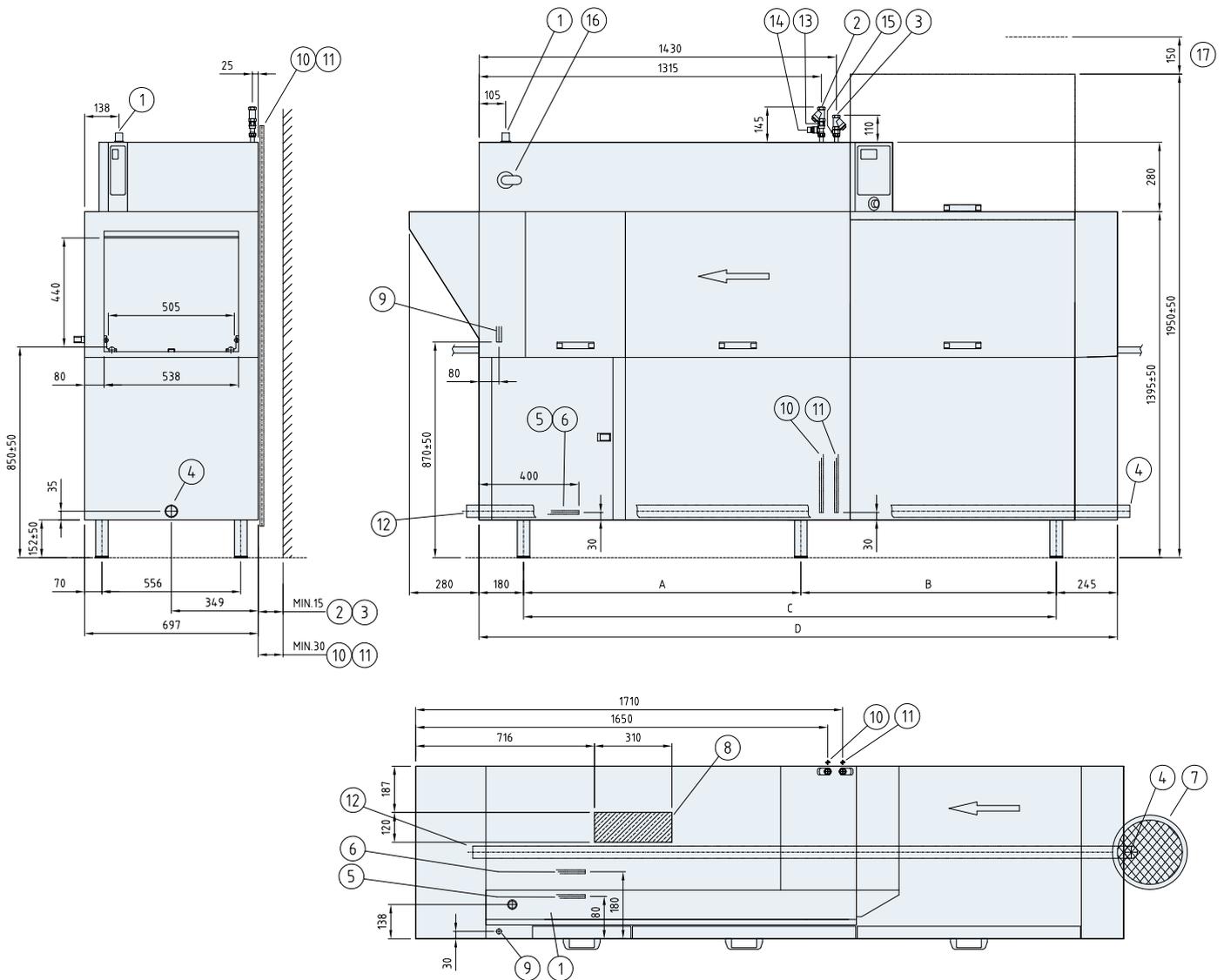
Connection, water, drain and ventilation	WD-153	WD-213	WD-243	WD-333	WD-423
Water quality, hardness (°dH)	2-7	2-7	2-7	2-7	2-7
Hot water conn. 55-70°C (internal thread)	R ½"				
Cold water connection 5-12°C (internal thread)	R ½"				
Drain connection, PP pipe (ø mm)	50	50	50	50	50
Water capacity cold water, pressure (kPa)	250-600	250-600	250-600	250-600	250-600
Water capacity cold water, flow (litres/min)	11	11	11	11	11
Water capacity hot water, min/max pressure (kPa)	100/600	100/600	100/600	100/600	100/600
Floor drain, capacity (litres/sec).	3	3	3	3	3
Ventilation of the machine (m³/h).	1000	1200	1200	1400	1600

Size and weight for transportation standard machine*	WD-153	WD-213	WD-243	WD-333	WD-423
Size** (LxWxH (m))	2.1x0.8x2.0	2.7x0.8x2.0	3.0x0.8x2.0	3.9x0.8x2.0	4.8x0.8x2.0
Weight** (kg)	400	510	550	680	790

* Normal delivery in 1 piece, if necessary the machine can be further dismantled

** Packaging included

Dimensional drawings



Dimensions

	WD-153	WD-213	WD-243	WD-333	WD423
A	--	--	--	1360	2260
B	--	--	--	1670	1670
C	1230	1830	2130	3030	3930
D*	1655	2255	2555	3455	4355

* Installation length at bench height

Rack conveyor dishwasher ICS+

1. Electrical connection
2. Cold water connection/filter
3. Hot water connection/filter
4. Drain connection
5. Steam connection
6. Condensation water connection
7. Floor drain
8. Exhaust steam condensing battery
9. Alternative electrical connection
10. Alternative cold water connection
11. Alternative hot water connection
12. Alternative drain connection
13. Non-return valve
14. Vacuum valve
15. Detergent dosage outlet
16. Main switch
17. Service space

■ Technical data PRM-60/90

Technical data	PRM-60	PRM-90
Pump (kW)	0.75	0.75
Tank volume (litres)	30	30
Weight, machine in operation (kg)	150	170
Degree of protection (IP)	55	55

Capacity and operation data	PRM-60	PRM-90
Max. surface temp. at room temp. 20°C (°C)	35	35
Sound level* (dB(A))	68	68

* Measured 1 metre from the machine

Connection, electrically heated	PRM-60	PRM-90
Total connected power (kW)	0.8	0.8
Main fuse 400V 3N~ (A) *	10	10
Max.conn.area 400V 3N~ (L1-L3,N,PE) Cu (mm ²) **	6	6
Electrical connection of the PRM by the dishwasher	Option	Option

* Other voltages on request

** Delivered with 3 meter cable

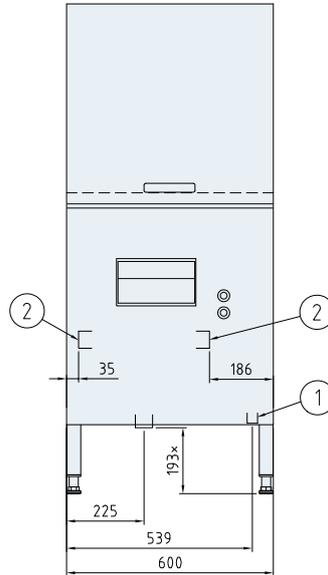
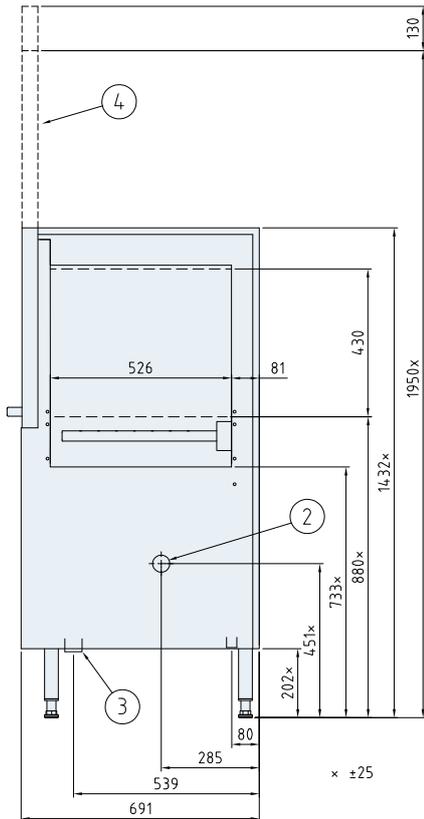
Connection, water, drain and ventilation	PRM-60	PRM-90
Drain connection, PP pipe (ø mm)	50	50
Water connection from dish machine (ø mm)	50	50
Floor drain, capacity (litres/sec)	3	3
Ventilation of the machine (m ³ /h).	200	200

Size and weight	PRM-60	PRM-90
Size * (LxWxH (m))	0.6x0.7x1.4	0.95x0.95x1.4
Weight ** (kg)	155	175

* Normal delivery in 1 piece, If necessary the machine can be further dismantled

** Packaging included

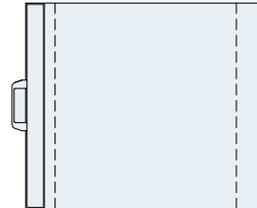
Dimensional drawings



PRM-60

1. Electrical connection *
2. Water connection from dishwasher
3. Drain
4. Door (open position)

* Can be electrically connected by the dishwasher



PRM-90

1. Electrical connection *
2. Water connection from dishwasher
3. Drain
4. Door (open position)

* Can be electrically connected by the dishwasher

