Comac technologies

ReWater

professional people

Rewater: the technology which increases productivity and reuses the water used by floor scrubbers

Comac floor scrubbers equipped with ReWater technology allow you to reuse the cleaning solution used for floor cleaning operations. This is because they have been designed to operate continuously for the entire battery running time, without wasting precious time during the pit-stop phases, as happens with a standard machine.

Comac floor scrubbers can be equipped with a 2-phase or 4-phase filtration system:
2-phase system: available for Antea, Versa, Vega Innova Comfort, Optima, C85, C120 and Combimac; this is a mechanical filtration system that enables operation using recycled water.
4-phase system: available for C85, this is a more advanced system that ensures operation with recycled water through a combination of double mechanical filtration and separation by decantation.

The 4 major benefits of ReWater that help you cut costs and waste:

MORE PRODUCTIVITY

Reusing water enables you to clean larger surfaces with the same amount of detergent, increasing the efficiency and productivity of cleaning operations. Achieve better results with fewer resources, maximizing output with minimal effort.

LESS WATER

ReWater technology allows floor scrubbers to reuse previously used cleaning water, drastically cutting water consumption and reducing the costs associated with wastewater disposal.

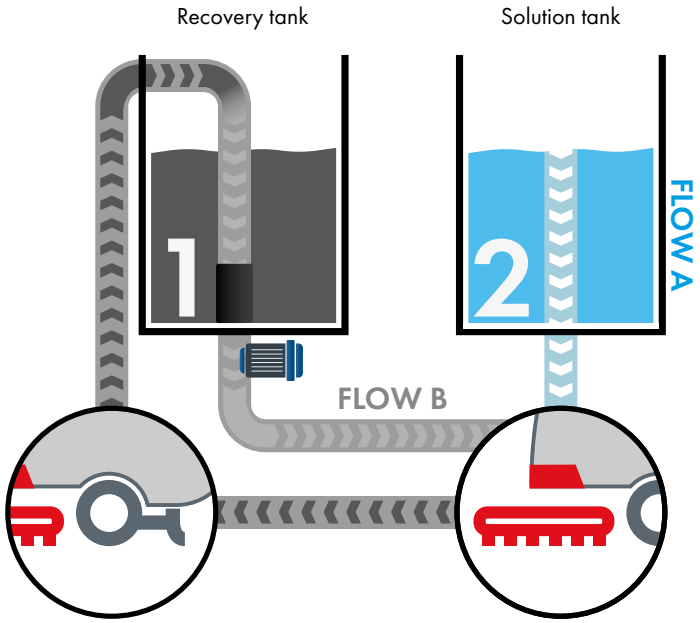
LESS TIME

With ReWater, the autonomy of your floor scrubber is no longer tied to the consumption of the cleaning solution. This means fewer pit stops, allowing you to focus on cleaning tasks and significantly boosting your overall productivity.

LESS DETERGENT

By reusing water, ReWater minimizes detergent consumption. This not only lowers costs but also reduces the environmental impact by limiting the release of chemicals. It's a win for your budget and the planet.

HOW THE 2-PHASE REWATER SYSTEM WORKS



THE 2 PHASES OF REWATER

FLOW A

The floor scrubber works in standard mode without recycling the water.

FLOW B

1. The solution used for cleaning the floor is collected in the recovery tank. On the Vega, C85, C120 and Combimac it is also passed through a filter basket in the inlet, in order to retain solid debris present in the dirty water.

2. The water passes through a mesh filter positioned inside the recovery tank, and then, with the help of a pump, it is sent directly to the brushes.

Recycling takes place exclusively in the recovery tank, ensuring the solution tank stays clean at all times. Furthermore, you have the flexibility to operate the 2-phase ReWater floor scrubber in standard mode without activating the recycling feature.

2-Phase ReWater technology: demonstrating the benefits with Antea

To highlight the full potential of the 2-phase ReWater technology, we've chosen Antea as an example to illustrate how this advanced system drastically **reduces water consumption and cleaning time**. Although the data refers specifically to this machine, the benefits are applicable to all Comac floor scrubbers equipped with ReWater, making this technology an ideal choice for more efficient and sustainable cleaning.

LESS WATER

FOR ONE WORKING DAY

With Antea ReWater, **a 60-minute work shift requires only one 40-liter tank**, compared to the 80 liters consumed by the standard model. This means **a 50% reduction in water usage**, achieving the same cleaning performance with half the resources.

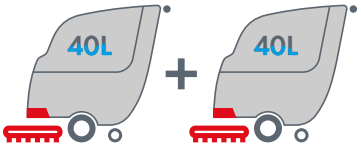
-50%
of water used for one working day

FOR TWO WORKING DAYS

When comparing **two working days** of operation with the Antea ReWater floor scrubber and its standard version, the water savings become even more striking. Over two 60-minute shifts, the standard Antea requires four 40-liter tanks, totaling **160 liters of water**. In contrast, Antea ReWater completes the first day with just one 40-liter tank and requires only a small refill of 4 liters on the second day to compensate for the water absorbed by the floor. As a result, the Antea **ReWater uses just 44 liters of water in total**, achieving a 73% water savings compared to the standard version—all without compromising cleaning performance.

-73%
of water used for two working days

ANTEA STANDARD

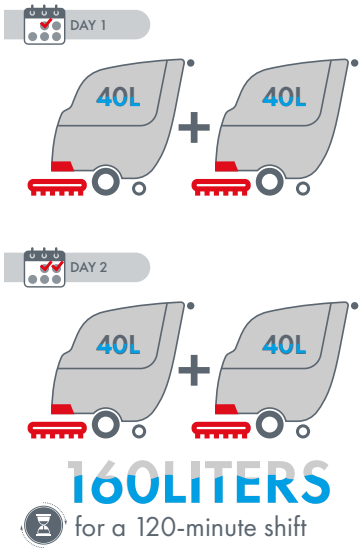


80LITERS
for a 60-minute shift

ANTEA REWATER

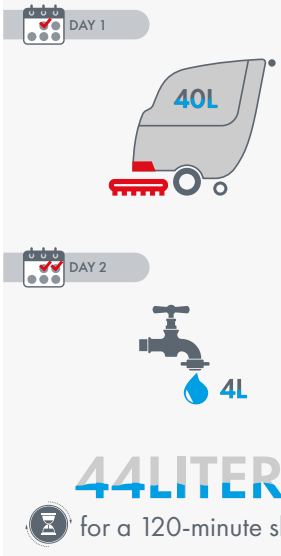
40LITERS
for a 60-minute shift

ANTEA STANDARD



160LITERS
for a 120-minute shift

ANTEA REWATER



44LITERS
for a 120-minute shift

14,500 LITERS
of water saved in one year with Antea ReWater

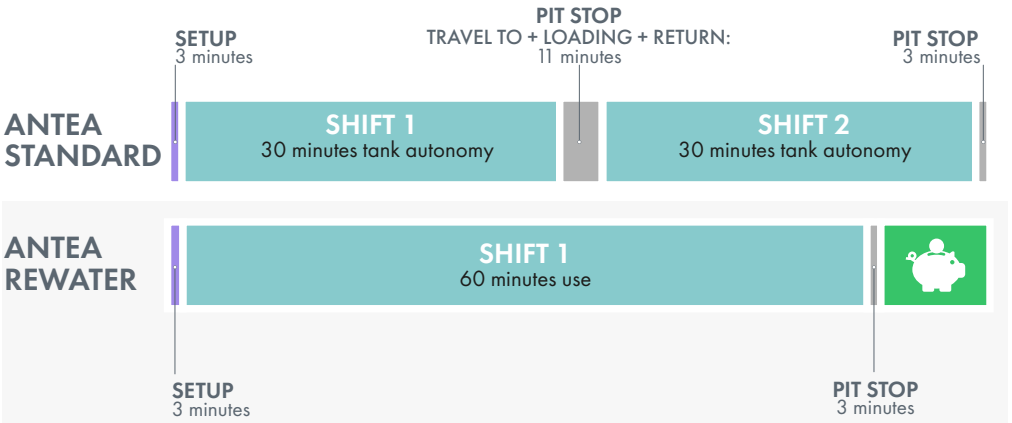
By using Antea ReWater for 250 days a year, with a daily 60-minute shift, you can **save 14,500 liters of water compared to using the standard Antea floor scrubber** for the same amount of time. Additionally, thanks to the ReWater technology, **you also reduce detergent consumption**, further optimizing the resources needed for your cleaning operations.

THE MORE YOU USE ANTEA REWATER, THE GREATER YOUR SAVINGS!

LESS TIME

FOR ONE WORKING DAY

During a 60-minute work shift, Antea ReWater saves 11 minutes of downtime compared to the standard version, as it doesn't require a refill after the first 30 minutes of tank autonomy. This means that over the course of a year, **you can save 65% of downtime**, increasing efficiency and leaving more time for other tasks.

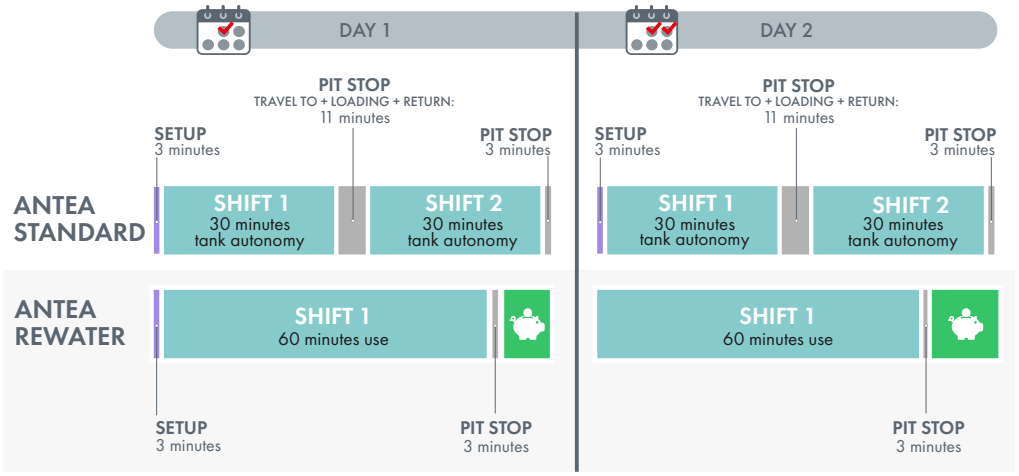


-65%

on pit-stop hours per year

FOR TWO WORKING DAYS

Over two working days, with 60 minutes of daily use of the floor scrubber, Antea ReWater saves 20 minutes of pit-stop time due to fewer stops for draining and refills. This results in **a 73% reduction in pit-stop hours over the course of a year**, providing more time for other tasks.



-73%

on pit-stop hours per year

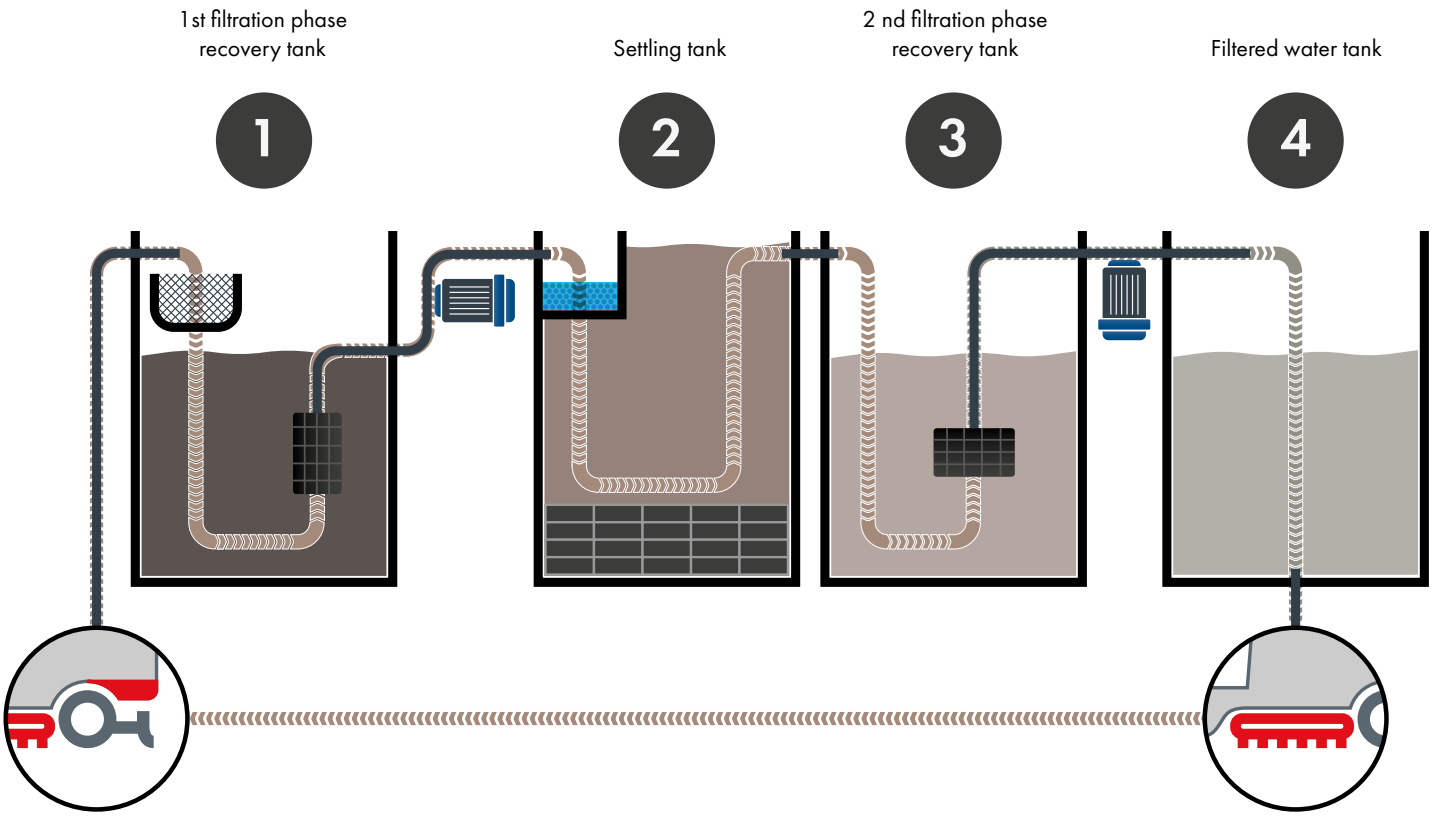
3,125 MINUTES

of pit-stop time saved in one year with Antea ReWater

By using Antea ReWater for 250 days a year, with a daily 60-minute shift, **you can save 3,125 minutes of pit-stop time** compared to the same usage of a standard Antea floor scrubber.

THE MORE YOU USE ANTEA REWATER, THE GREATER YOUR SAVINGS!

HOW THE 4-PHASE REWATER SYSTEM WORKS



THE 4 PHASES OF REWATER

1. The solution used for cleaning the floor is collected in the recovery tank, where it passes through the basket filter to retain solid debris. The first filtration phase also takes place here.

2. The filtered solution then passes through an oil separator filter and enters the settling tank. A coalescing filter carries out the separation process, and, with the help of gravity, the solution is separated from substances of different densities, initiating the clarification process.

3. At this point, thanks to a mesh filter, the solution undergoes a second level of filtration in the third tank.

4. Finally, the filtered and settled solution is collected in the last tank, where it is ready to reach the floor scrubber brushes and reused for cleaning the surfaces.

4-Phase ReWater technology: the benefits measured on C85

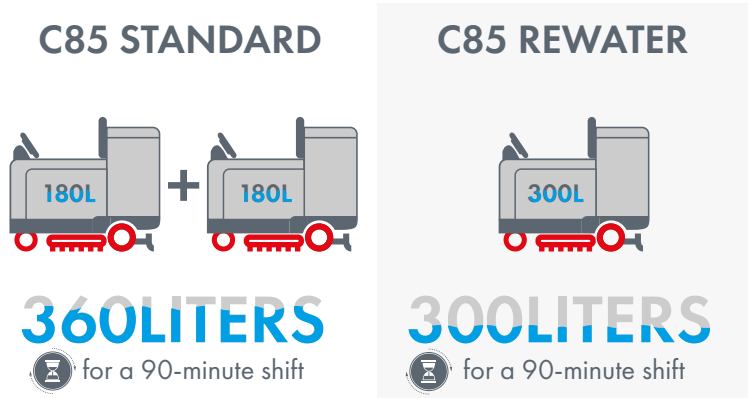
To showcase the concrete advantages of the 4-phase ReWater technology, we analyze the performance data of the C85 ReWater floor scrubber. This analysis highlights how the system **enables significant water savings and reduces cleaning times**, making operations both more efficient and sustainable. The C85 ReWater emerges as the ideal solution for those looking to optimize cleaning efficiency in large environments without compromising on results or sustainability objectives.

LESS WATER

FOR ONE WORKING DAY

The C85 ReWater tank is nearly twice the size of the solution tank in the standard version. Therefore, using the C85 ReWater **for a 90-minute shift, only one 300-liter tank is required**, compared to the 360 liters needed by the standard model. This results in **a 17% water saving to clean the same surface area.**

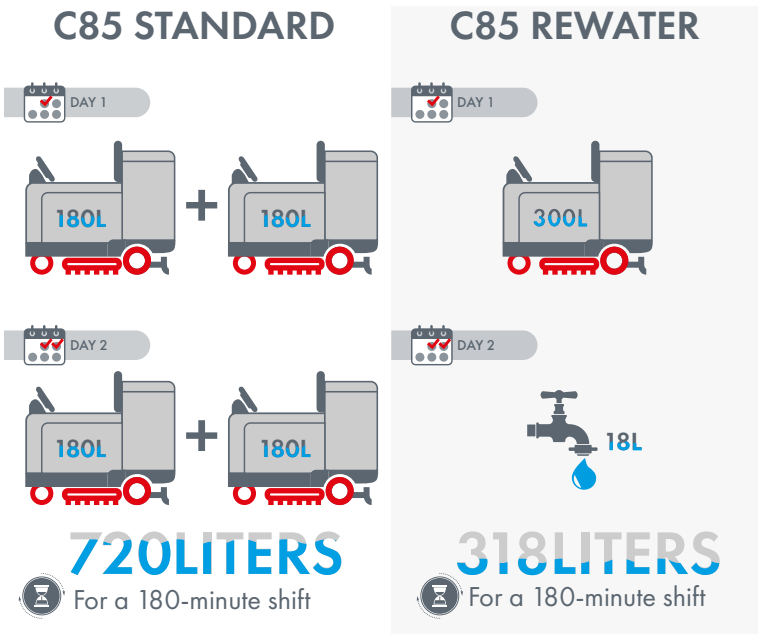
-17%
of water used
for one working day



FOR TWO WORKING DAYS

If we set the analysis for **two working days** with the C85 ReWater floor scrubber and the standard version, we can see that the difference in water consumption is even greater. For two 90-minute shifts, the standard version of C85 requires four 180-liter tanks, totaling **720 liters of water**. C85 ReWater, on the other hand, completes the first working day with just one 300-liter tank and requires only an 18-liter refill on the second day to compensate for the water absorbed by the floor. In total, **C85 ReWater uses 318 liters of water, achieving a 56% water savings** compared to the standard version, without compromising cleaning performance.

-56%
of water used
for two working days



50,250 LITERS

of water saved in one year with C85 ReWater

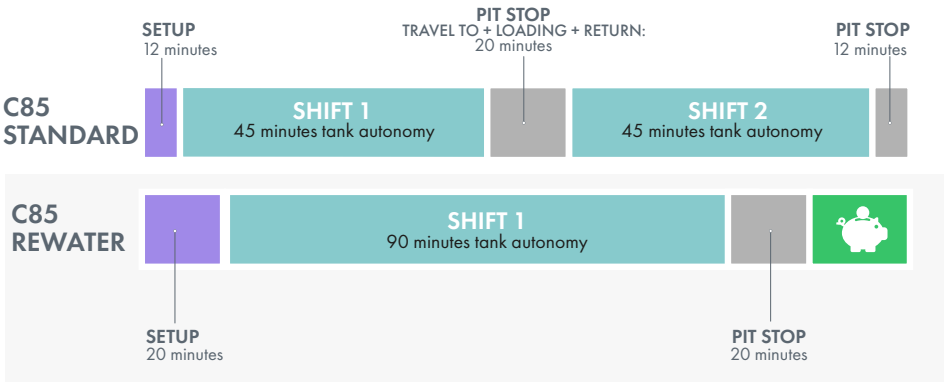
By using C85 ReWater for 250 days each year with a daily 90-minute shift, you can **save 50,250 liters of water compared to using a standard C85 floor scrubber**. Additionally, ReWater technology helps reduce detergent consumption, further optimizing the resources required for your cleaning tasks.

THE MORE YOU USE C85 REWATER, THE GREATER YOUR SAVINGS!

LESS TIME

FOR ONE WORKING DAY

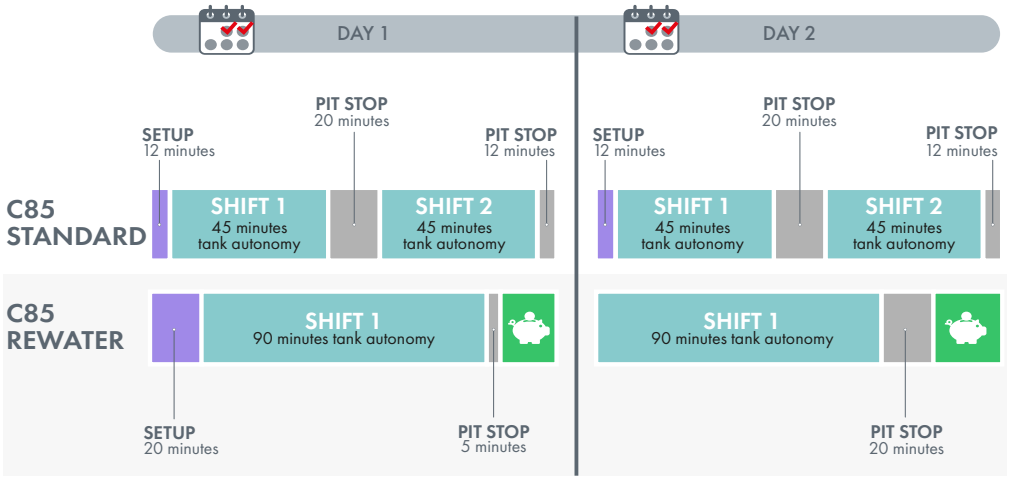
The C85 ReWater tank is almost double the size of the solution tank in the standard version. Therefore, in a 90-minute work shift, C85 ReWater saves 4 minutes of downtime compared to the standard version, as it does not require a refill after the first 45 minutes of tank autonomy. This means that over the course of a year, there is **a 9% reduction in downtime**, increasing efficiency and allowing more time for other activities.



-9%
on pit-stop hours per year

FOR TWO WORKING DAYS

Over two working days, with 90 minutes of daily use of the C85 ReWater floor scrubber, you save 43 minutes in pit-stop time thanks to fewer interruptions for emptying and refills. Moreover, the end-of-shift pit stop on the first day is significantly reduced, as the water in the C85 ReWater tanks doesn't need to be emptied; it will be reused for the next day's shift. As a result, over the course of a year, this leads to a **48% reduction in pit-stop hours**, freeing up more time for other tasks.



-48%
on pit-stop hours per year

5,375 MINUTES

of pit-stop time saved in one year with C85 ReWater

By using C85 ReWater for 250 days in a year, with a 90-minute daily shift, **you can save 5,375 minutes of pit-stop time compared to using the standard C85 floor scrubber for the same duration**.

THE MORE YOU USE C85 REWATER, THE GREATER YOUR SAVINGS!

WHY CHOOSE A FLOOR SCRUBBER WITH REWATER TECHNOLOGY?

ReWater is the innovative technology that recycles water in floor scrubbers, making it ideal **for maintenance cleaning in public sector, logistics, and production environments.** It allows you to save water, detergent, time, and money. Comac machines are engineered for maximum productivity, and as the demand to reduce waste and costs grows, ReWater provides a practical and cost-effective solution to address these challenges.

EXHIBITIONS AND CONVENTION CENTERS

AIRPORTS AND TRAIN STATIONS

PLACES OF WORSHIP

WAREHOUSES AND LOGISTICS CENTERS

DEPARTMENT STORES AND SHOPS

SHOPPING MALLS

SCHOOLS AND UNIVERSITIES

ReWater is available for:

TECHNICAL DESCRIPTION		Antea 50 BT ReWater	Versa 55 BT ReWater	Versa 65 BT ReWater	Vega 65 BT ReWater	Vega 75 BT ReWater	Vega 85 BT ReWater
Solution tank	l	40	62	62	75	75	75
Recovery tank	l	60	66	66	115	115	115
Tank	l	-	-	-	-	-	-
Working width	mm	508	560	655	655	765	850
Squeegee width	mm	700	800	800	785	885	985
Working capacity up to	m^2/h	1780	1960	2295	2816	3289	3655
Machine dimensions (Lxhxw)	mm	1177x1009x591	1190x1050x620	1220x1050x695	1495x1055x785	1515x1055x885	1545x1055x985
Basket filter for large debris	-	-	-	-	•	•	•
Stainless steel basket filter for large debris	-	-	-	-	-	-	-
Coalescence filter	-	-	-	-	-	-	-
Filtration stages	-	2	2	2	2	2	2
Sedimentation phase	-	-	-	-	-	-	-

TECHNICAL DESCRIPTION		Innova Comfort 75 B ReWater	Innova Comfort 85 B ReWater	Optima 85 B ReWater	Optima 100 B ReWater
Solution tank	l	120	120	160	160
Recovery tank	l	130	130	140	140
Tank	l	-	-	-	-
Working width	mm	750	850	850	1010
Squeegee width	mm	990	1105	1120	1120
Working capacity up to	m^2/h	4500	5100	6800	8080
Machine dimensions (Lxhxw)	mm	1570x1275x780	1570x1275x855	1796x1245x900	1796x1245x1055
Basket filter for large debris	-	-	-	-	-
Stainless steel basket filter for large debris	-	-	-	-	-
Coalescence filter	-	-	-	-	-
Filtration stages	-	2	2	2	2
Sedimentation phase	-	-	-	-	-

TECHNICAL DESCRIPTION		C85 B ReWater 4-phases	C85 B ReWater 2-phases	C85 BS ReWater 2-phases	C120 B ReWater	Combimac 130 B ReWater
Solution tank	l	-	180	180	320	300
Recovery tank	l	-	180	180	320	300
Tank	l	300	-	-	-	-
Working width	mm	850	850	850	1230/1430	1300/1980
Squeegee width	mm	1105	1105	1105	1295	1510
Working capacity up to	m^2/h	6800	6800	6800	11011/12801	10400/15840
Machine dimensions (Lxhxw)	mm	1917x1630x961	1917x1630x961	1920x1630x960	2420x1310x1830	3000x2250x1760
Basket filter for large debris	-	-	•	•	•	•
Stainless steel basket filter for large debris	-	•	-	-	-	-
Coalescence filter	-	•	-	-	-	-
Filtration stages	-	4	2	2	2	2
Sedimentation phase	-	•	-	-	-	-

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