

CBS

The most innovative on-board technology at the service of cleaning and the environment

Water is the most common substance on earth and covers 71% of the earth's surface, but 97.5% is salty water. Of the remaining 2.5% freshwater, only 1% is usable for human activities, while the remaining is frozen water locked up in glaciers and the polar ice caps.

The amount of freshwater available to the world population is decreasing and the causes are different. The main ones are identified in the use of pesticides, fertilizers, human and industrial waste, the immeasurable and unaware use of water in agriculture and the increase in population, a factor that can worsen the impact of the earlier, but which also has a role in increasing consumption.

Moreover, the bad management of wastewater contaminated with chemical substances and other waste, is polluting everywhere the water reserves that are not always constant despite being renewable.

These data make us think and understand that water protection and management play an essential role in modern society.

Water is used in large quantities even during simple cleaning operations. We see liters and liters of water flowing under our eyes without realizing that although renewable, fresh water is a limited and vulnerable resource that can become unavailable.

Comac has always been sensitive to this theme and for this reason designs and manufactures products aimed at reducing the environmental impact. Today, more than ever, thanks to the introduction of more and more innovative technologies, Comac machines are able to optimize the use of resources by eliminating the waste of water, energy, detergent, reducing noise pollution and time dedicated to cleaning operations.

C85 NON STOP CLEANING

On the C85 floor scrubbing machine Comac has developed a technological solution that makes it possible to recycle the water used for floor cleaning, thus reducing the ecological impact of cleaning operations. In fact, C85 Non Stop Cleaning (NSC) is an extremely innovative and ecological scrubber drier as it is equipped with an integrated water filtration system.

The concept is easy to understand as the system comprises three phases: in the first, the water is used normally and collected by vacuuming; in the second phase, the water is filtered and purified, completing the water recycling phase.

In the third phase, water is therefore available for use again.

To meet the most specific cleaning needs, C85 NSC PREMIUM is equipped with an additional filtration stage to obtain even more purified water, thus working with clear water.

In addition, the tank of the NSC system is produced with a special additive which has the task of maintaining the bacterial load on a lower average level than the one present with the use of standard plastics.



MODELS

C85 B NSC PREMIUM

Scrubbing version with dual brush
Solution tank: 300 l
Working width: 850 mm
NSC PREMIUM with
2 membrane filters

C85 BS NSC PREMIUM

Sweeping version
Solution tank: 300 l
Working width: 850 mm
NSC PREMIUM with
2 membrane filters

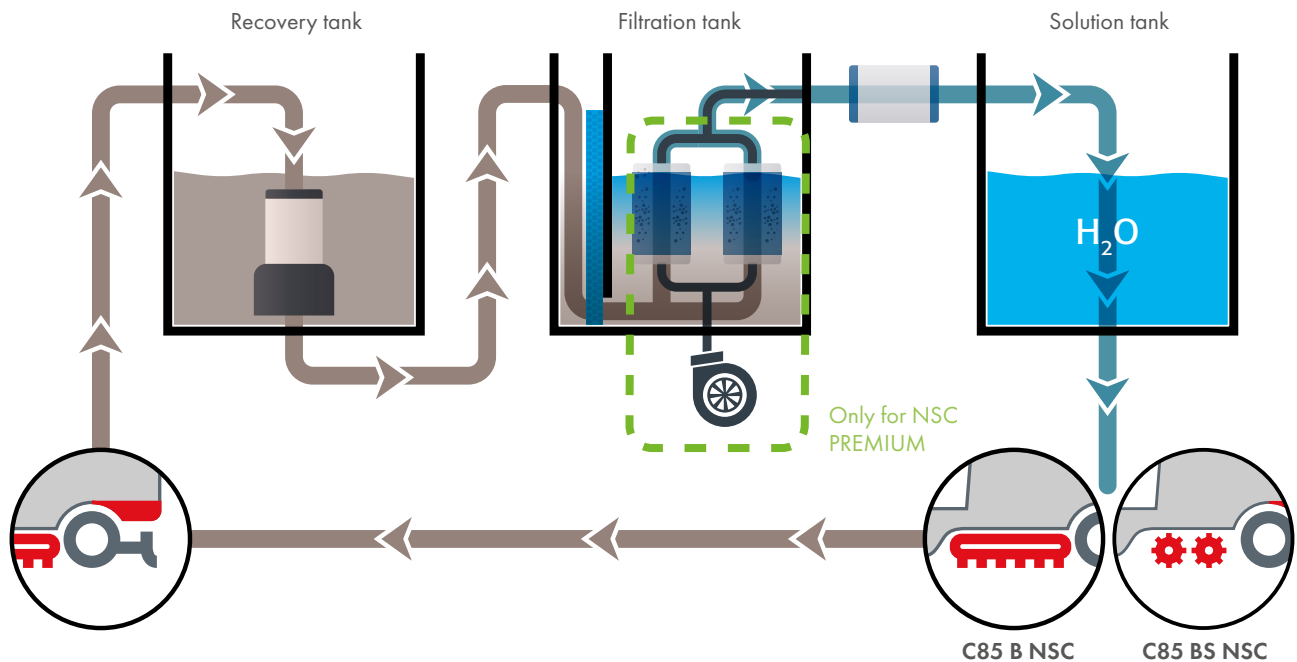
C85 B NSC BASE

Scrubbing version with dual brush
Solution tank: 300 l
Working width: 850 mm
NSC BASE without
membrane filters

C85 BS NSC BASE

Sweeping version
Solution tank: 300 l
Working width: 850 mm
NSC BASE without
membrane filters

How the NSC works



Comac C85 equipped with Non Stop Cleaning System has been designed to clean while reducing water consumption. But, how does this all translate to productivity? For many businesses, manpower and the time used to complete cleaning tasks are big expenses. With the Non Stop Cleaning Premium water is re-used for one week*, which cuts down on consumption and spares the operator from the labour of having to repeatedly dump and refill the machine tanks. Thus, pit stops and dead times are drastically reduced. It is possible to choose between the scrubbing version (C85 B NSC) or the scrubbing-sweeping version (C85 BS NSC) which allows to collect small solid debris, preserving the on-board filtering system.

Water usage is yet another major expense for those who use floor cleaning machines, but the self-cleansing function of the filtering system allows the user to save up to 80% on water costs associated with cleaning operations.

*with an estimated use of 3 hours a day.

C85 STANDARD



day 1	1 working hour	20" pit stop	1 working hour	20" pit stop	1 working hour	20" pit stop
day 2	1 working hour	20" pit stop	1 working hour	20" pit stop	1 working hour	20" pit stop
day 3	1 working hour	20" pit stop	1 working hour	20" pit stop	1 working hour	20" pit stop
day 4	1 working hour	20" pit stop	1 working hour	20" pit stop	1 working hour	20" pit stop
day 5	1 working hour	20" pit stop	1 working hour	20" pit stop	1 working hour	20" pit stop

TOTAL 5 DAYS⁽¹⁾

15 hours of work
300 minutes of pit stops
2700 liters of water
97 kg of chemical

C85 NSC PREMIUM



day 1	3 working hour	5" pit stop
day 2	3 working hour	
day 3	3 working hour	
day 4	3 working hour	
day 5	3 working hour	20" pit stop

Work
 Pit stop for wastewater discharge and fill the solution
 Water filling

TOTAL 5 DAYS⁽¹⁾

15 hours of work
40 minutes of pit stops
420 liters of water
11 kg of chemical

⁽¹⁾ use 3h a day, 5 days, with medium dirt grade, in Eco Mode.

The advantages of NSC

Comac C85 scrubber dryer equipped with Non Stop Cleaning Premium system, not only reduces the unproductive loading and unloading times of the solution but, above all, it saves up to 80% of water and 90% of chemical. This is an high economical advantage, that minimizes the environmental impact of floor cleaning operations without affecting the result.

To save
up to (1):



WATER -80%



CHEMICAL -90%



PIT STOP TIME -85%



WASTEWATER -85%

(1) use 3h a day, 5 days, with medium dirt grade, in Eco Mode.

TECHNICAL DESCRIPTION		C85 NSC Base	C85 BS NSC Base	C85 B NSC Premium	CS85 BS NSC Premium
Tank capacity	l/gal	300/79,2	300/79,2	300/79,2	300/79,2
Working width	mm/inch	850/33,4	850/33,4	850/33,4	850/33,4
Squeegee width	mm/inch	1105/43,5	1105/43,5	1105/43,5	1105/43,5
Moving scrubbing brush head	mm/inch	150/5,9	-	150/5,9	-
Working width with side brush	mm/inch	-	1000/39,3	-	1000/39,3
Working capacity up to	sq.m/h/sqft/h	6800/73194.59	6800/73194.59	6800/73194.59	6800/73194.59
Autonomy	h	4	4	4	4
Disc brush	(n.) mm/inch	(2) 430/17	-	(2) 430/17	-
Cylindrical brushes	(n.) mm/inch	-	(2) 210x856 (2) 8,2x33,7	-	(2) 210x856 (2) 8,2x33,7
Brush pressure	Kg/lbs	150/330,7	50/110,2	150/330,7	50/110,2
Brush motor	V/VW	(2) 36/750 AC	(2) 36/750 AC	(2) 36/750 AC	(2) 36/750 AC
Brush revolution	rpm	180	550	180	550
Vacuum motor	V/VW	(2) 36/650	(2) 36/650	(2) 36/650	(2) 36/650
Suction vacuum	mbar	190	190	190	190
Traction	-	front aut. electrobrake	front aut. electrobrake	front aut. electrobrake	front aut. electrobrake
Traction motor	V/VW	36/1200 AC	36/1200 AC	36/1200 AC	36/1200 AC
Forward speed	Km/h/mph	0÷8/5	0÷8/5	0÷8/5	0÷8/5
Max gradient at full load	%	10	10	10	10
Max gradient with empty tanks	%	18	18	18	18
Max power NSC system	W	920	920	920	920
Batteries (qty)	V/Ah C5	Box-36/360	Box-36/360	Box-36/360	Box-36/360
Batteries weight	Kg/lbs	420/926	420/926	420/926	420/926
Machine weight (without batteries)	Kg/lbs	555/1223,5	590/1300,7	555/1223,5	605/1333,8
Machine dimensions (LxHxW)	mm/inch	1917x1630x961/ 75,5x64,2x37,8	1920x1645x960/ 75,5x64,7x37,7	1917x1630x961/ 75,5x64,2x37,8	1920x1645x960/ 75,5x64,7x37,7
FILTRATION		C85 NSC Base	C85 BS NSC Base	C85 B NSC Premium	CS85 BS NSC Premium
Basket filter for large debris		•	•	•	•
Settling phase with oil separator and degreaser filters		•	•	•	•
Foot strainers		•	•	-	-
Deep microfiltration with cartridge filters		-	-	•	•



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Comac S.p.A. org. cert. ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, SA 8000:2014

