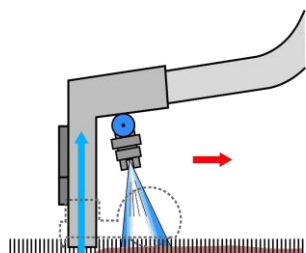




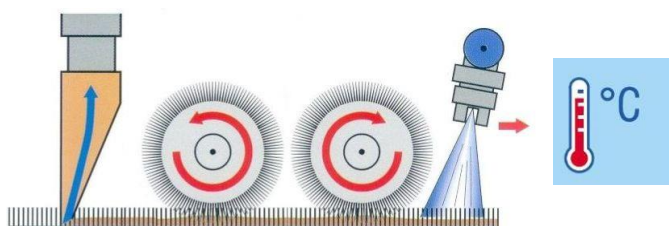
**Grace-Silent** is a professional carpet extractor with 2 high-waterlift vacuum motors for fast cleaning of big areas of carpet. Its **high-waterlift** vacuum system allows to recover the maximum quantity of dirt from carpet and to get a shortest drying time. The two tanks, 70 litres each, enable a long autonomy of operation. Dedicated brackets allow to hang hoses and wand on the machine, to easily move the complete machine from site to site.

It can be supplied with the instant hot water unit HT1800 and with one of the optional power brush wands. If equipped with the patented SMARTKIT system, it is possible to perform automatic chemical dosing, carpet pre-spraying and rinsing.

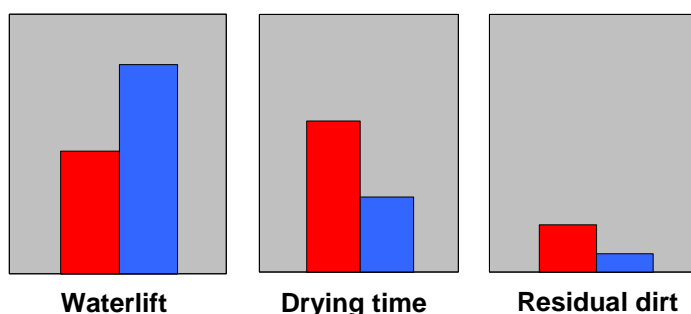
**Main application fields:** cleaning companies, cinemas, theatres, ferry boats, ships.



Injection-extraction cleaning



Injection-extraction with NS400BR-DUAL-HT



 **Grace-Silent**

 **Standard carpet extractors**

### Advantages of Grace-Silent:

1. **High-waterlift** technology allows incomparable dirt removal and shortest drying time: carpet can be dry in 1 hour!
2. **Long working autonomy** thanks to the big tanks, 70 litres each.
3. **Very silent working (60 decibels)**, that allows to use the machine with no discomfort for the worker and for other people. The machine can be used also during normal daily working time and in places sensitive to noise such as hotels, offices, banks.
4. Carpet tool with aluminium vacuum head, practically **indestructible**.
5. **Special profile** of the vacuum head, which allows to get the best suction even when the tool inclination changes.
6. The height of the handle is **adjustable**, for greater ergonomics. The handle allows the worker to lift the tool and to press the vacuum head down on carpet with a very small effort.
7. **Spraying valve** designed for avoiding any breaking.
8. Tubes in **stainless steel**, strong and rustproof for the whole machine life.
9. **Quick disconnect** spray nozzles, which can be removed by hand, without using any tool. The nozzles can be cleaned easily.
10. It is possible to attach the **optional instant hot water unit** (HT1800) to the machine, in order to make the cleaning even more effective.
11. Using one of the **optional power-brush wands**, it is possible to get excellent cleaning results, leaving carpet perfectly clean and dry in a single pass.
12. With the optional SMARTKIT-EL, it is possible to perform **automatic chemical dosing and carpet rinsing**.
13. Adding the pre-spray pipe and gun (PRESpray-EL) to the SMARTKIT-EL, it is also possible to **pre-spray carpet** before cleaning.
14. With the optional vacuum tool **NS270TURBODUST**, it is possible to vacuum dust before cleaning, with the same machine.



### **Other technical advantages of Grace-Silent:**

1. Detachable tanks. The machine can be carried easily even in a small car.
2. High density polyethylene tanks, very strong and made for lasting a long time.
3. Transparent unbreakable cover, which allows to see the dirty water while it is sucked.
4. Easy to reach hole for filling the tank with clean water.
5. Drainpipe for easily emptying the recovery tank.
6. The gaskets are replaceable by hand since they are not glued. Easy to clean and change.
7. Strong wheels, in antimark rubber.
8. Brass quick-disconnect couplings, reliable and strong.
9. Water pump with internal bypass, which allows an automatic regulation of the optimal water flow according to the tool used. Moreover, the bypass device makes the pump more reliable and avoids problems in the years.
10. Water pump with external rectifier, specially sized for a greater reliability.
11. Vacuum motors with thermal protection against overload.
12. Vacuum motors treated against rust.
13. Both motor and pump can work continuously.
14. Modular design that makes the maintenance easier. The maintenance of the machine can be done at low costs.












### **Technical Data**

<b>Approximate performance (basic machine)*:</b>	<b>50-100 m²/h</b>
<b>Approximate performance (professional SET)*:</b>	<b>160-220 m²/h</b>
Recovery tank capacity:	70 litres
Solution tank capacity:	70 liters
Vacuum motor:	2 motors - 3 stages - <b>High Waterlift</b> 2 x 1500 W 3400 mm H <sub>2</sub> O 90 l/sec.
Power:	
Maximum waterlift:	
Maximum air-flow:	
Pump with by-pass:	Membrane 80 W 9 bar 4,5 l/min
Power:	
Maximum pressure:	
Maximum water-flow	
Cleaning width:	300 mm
Number of nozzles:	3
Cable length:	10 m
Hose length:	7,5 m
Weight (machine body):	55 kg
Weight (packaged machine):	70 kg
Dimensions:	50 x 89 x 98 cm
Package dimensions:	57 x 94 x 98 cm
Standard colors:	Blue
Tank construction:	High density polyethylene
Suitable to work with heater HT1800-220-M :	YES


**\*The effective performance depends on the type of cleaning required: restorative deep cleaning - maintenance cleaning.**




### **Suggested optional tools (see also Grace-Silent *PROFESSIONAL SET*)**

	<b>NS10PN-M</b>	Plastic hand tool, with 1 spray nozzle.
	<b>NS10ALL-M</b>	Aluminium hand tool, with 1 spray nozzle
	<b>HT1800-220-M</b>	Instant hot water unit, 1800W, complete with metal brackets to fix it on the machine.
	<b>SMARTKIT-EL</b>	Kit for automatic chemical dosing, rinsing, carpet pre-spraying, low moisture/deep cleaning selection. Not including pre-spray pipe and gun (PRESpray-EL) for carpet pre-spraying.
	<b>PRESpray-EL</b>	Complete pipe and pre-spray gun, to be added to SMARTKIT-EL, for carpet pre-spraying.
	<b>NS400BRUSH</b>	Special wand, 400mm wide, with a cylindrical rotating brush, to be used for cleaning carpet in combination with an injection-extraction machine
	<b>NS400BR-DUAL</b>	Special wand for carpet cleaning, with 2 counter-rotating cylindrical brushes. This wand can be used with any Santoemma injection-extraction machine.
	<b>NS400BR-DUAL-HT</b>	Special wand for carpet cleaning, with 2 counter-rotating cylindrical brushes. An incorporated instant heating system allows to instantly heat the cleaning solution sprayed on carpet. This wand can be used with any Santoemma injection-extraction machine.
	<b>9022</b>	Hose for filling up the clean water tank easily. It can be used to connect the water tap to the machine tank, without spilling water.
	<b>HERMES-M</b>	Tool which allows to wash and dry walls and windows. The solution is injected by 2 nozzles, which are inside the vacuum head, so that it is possible to clean a vertical surface without water dropping on the floor. Hermes is supplied with a brush slide and a rubber slide, to clean rough or smooth surfaces.
	<b>NS270P-M</b>	This tool works with the same principle of Hermes. Its two extensions allow to wash and dry hard floors, high walls and even ceilings.

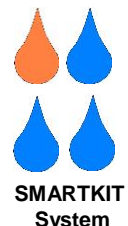


	<b>ST810</b>	Three speed air blower, high performance, 1 Hp, 230V – 50Hz, for quick drying of carpet after cleaning. Equipped with wheels and extensible handle, easy to transport. Stackable.
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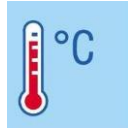
### **Grace-Silent PROFESSIONAL SET**




**Grace-Silent with hoses, wand NS300-M, HT1800 and SMARTKIT System**




**SMARTKIT System**




**Instant heater HT1800**



**Power brush tool NS400BRUSH**



**Power brush tool NS400BR-DUAL / NS400BR-DUAL-HT**



**Hand tool NS10ALL-M**

Up to  
220  
sqm/h

#### ***Grace-Silent PROFESSIONAL SET* includes:**

- Machine body and hoses H35-RAGNOL75-T
- the wand NS300-M
- the aluminium hand-tool NS10ALL-M, for cleaning upholstery and hard-to-reach spots
- the instant hot water unit HT1800
- the SMARTKIT System (SMARTKIT-EL + PRESpray-EL), to perform automatic chemical dosing, pre-spraying and carpet rinsing.
- One of the power brush tools: NS400BRUSH, NS400BR-DUAL or NS400BR-DUAL-HT

#### **Advantages with Grace-Silent PROFESSIONAL SET:**

1. The mechanical brushing action gives an excellent cleaning result, removing dirt completely from the base of carpet fibres. No residual dirt will re-emerge on carpet surface after few days!
2. Even a very dirty carpet can be completely clean in a single pass, reducing the time of cleaning operations.
3. Being able to clean in single pass, the amount of solution sprayed on carpet is not excessive and can be completely recovered by the machine's high-waterlift vacuum system. As a result, carpet can be completely dry in one hour!