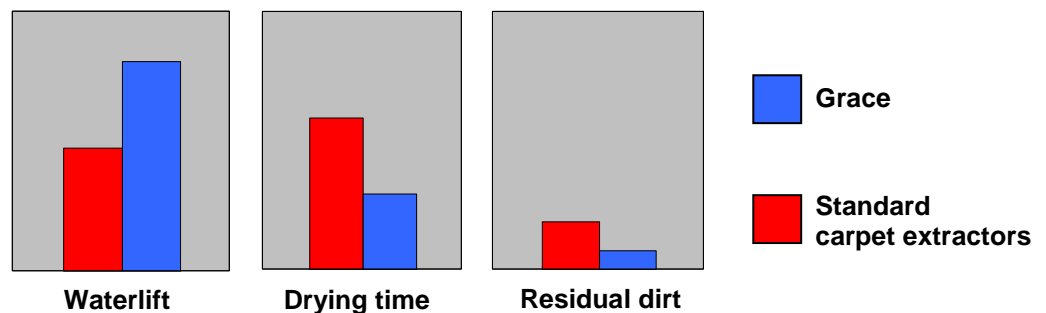
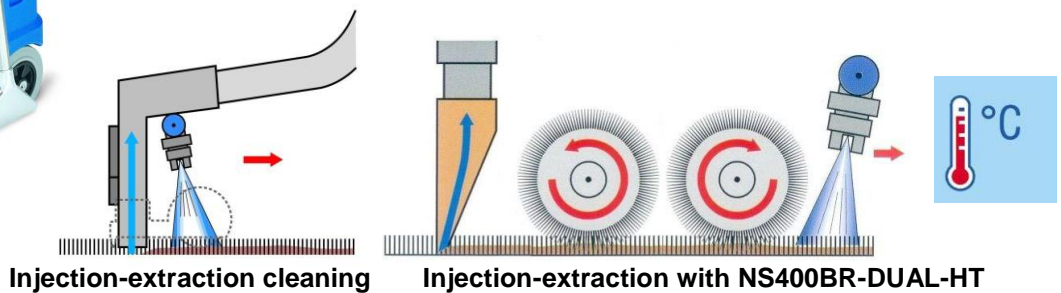




Grace is a professional carpet extractor with 2 high-waterlift vacuum motors for fast cleaning of big areas of carpet. Its **high-waterlift** vacuum system allows to recover the maximum quantity of dirt from carpet and to get a shortest drying time. The two tanks, 70 litres each, enable a long autonomy 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 the optional power brush heating wand (NS400BR-DUAL-HT). 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.



Advantages of Grace:

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. Carpet tool with aluminium vacuum head, practically **indestructible**.
4. **Special profile** of the vacuum head, which allows to get the best suction even when the tool inclination changes.
5. 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.
6. **Spraying valve** designed for avoiding any breaking.
7. Tubes in **stainless steel**, strong and rustproof for the whole machine life.
8. **Quick disconnect** spray nozzles, which can be removed by hand, without using any tool. The nozzles can be cleaned easily.
9. It is possible to attach the **optional instant hot water unit** (HT1800) to the machine, in order to make the cleaning even more effective.
10. Using the **optional power-brush heating wand NS400BR-DUAL-HT**, it is possible to get excellent cleaning results, leaving carpet perfectly clean and dry in a single pass.
11. With the optional SMARTKIT-EL, it is possible to perform **automatic chemical dosing and carpet rinsing**.
12. Adding the pre-spray pipe and gun (PRESpray-EL) to the SMARTKIT-EL, it is also possible to **pre-spray carpet** before cleaning.
13. With the optional vacuum tool **NS270TURBODUST**, it is possible to vacuum dust before cleaning, with the same machine.



Other technical advantages of Grace:

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

Recovery tank capacity:	70 liters
Solution tank capacity:	70 liters
Vacuum motor:	2 motors - 3 stages - High Waterlift
Power:	2 x 1500 W
Maximum waterlift:	3400 mm H ₂ O
Maximum air-flow:	90 l/sec.
Pump with by-pass:	Membrane
Power:	80 W
Maximum pressure:	9 bar
Maximum water-flow	4,5 l/min
Cleaning width:	300 mm
Number of nozzles:	3
Max. performance:	100 mq/h
Cable length:	10 m
Hose length:	7,5 m
Weight (machine body):	45 kg
Weight (packaged machine):	57 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

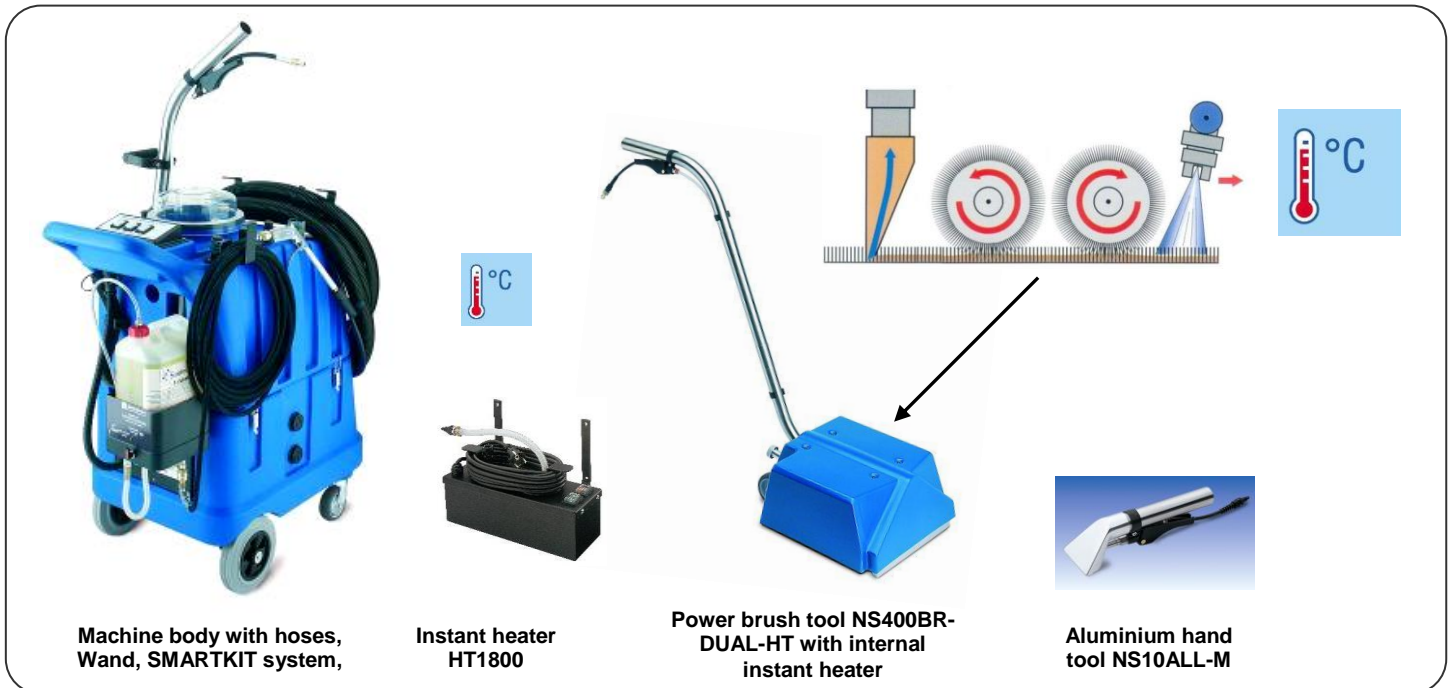
Complete machine with hoses H35-RAGNOL75-T + carpet tool NS300-M	
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Suggested optional tools

NS10ALL-M	Aluminium hand tool, with 1 spray nozzle	
HT1800-220-M	Instant hot water unit, 1800W, complete with metal brackets to fix it on the machine.	
SMARTKIT-EL+ PRESPRAY-EL	Complete kit for automatic dosing, rinsing, carpet pre-spray, including pipe and pre-spray gun	
NS400BR-DUAL-HT	Power brush tool with 2 counter-rotating brushes and internal instant heater	
NS270TURBODUST	Complete accessory with internal bag for vacuuming before cleaning, Ø 32/38	



Grace PROFESSIONAL SET



Machine body with hoses,
Wand, SMARTKIT system,

Instant heater
HT1800

Power brush tool NS400BR-
DUAL-HT with internal
instant heater

Aluminium hand
tool NS10ALL-M

Grace 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 complete SMARTKIT-EL with PRESpray-EL, to perform automatic chemical dosing, pre-spraying and carpet rinsing.
- the power brush tool NS400BR-DUAL-HT, with 2 counter-rotating brushes and internal instant heater

Advantages with Grace 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!

Complete **Grace Professional set**, including:

machine body, hoses H35-RAGNOL75-T, carpet tool NS300-M, hand tool NS10ALL-M, instant heater HT1800 SMARTKIT-EL for automatic chemical dosing and rinsing, with pipe and gun PRESpray-EL for carpet pre-spraying Power brush tool NS400BR-DUAL-HT with 2 counter-rotating brushes and internal instant heater.