

MH series

Exceptional hot water cleaning meets certified energy efficiency



MH series gives you performance, long life-time and ergonomics

Innovative hot water pressure washer units with ergonomic and robust design

The MH series of high pressure washers offer everything from compact efficient variants to heavy duty workhorses that are ideal for all hot water commercial and industrial cleaning tasks. With an efficient EcoPower™ boiler they offer ideal and best in class efficient performance level for general hot water cleaning. Furthermore, the flow activated control system improves user comfort and handling as well as overall machine reliability.

Service and maintenance can be carried out quickly, as all vital parts are easy to inspect and reach. The diagnostics function will give maintenance warnings to minimize any downtime.

The MH series concept ensures high mobility and easy transport across a wide variety of surface types thanks to the 4 large wheels and great balance.

- EcoPower™ boiler with EcoMode function
- Flow- or pressure activated unloader system
- Onboard diagnostics function
- Innovative design with 4 big wheels
- Easy to transport, can even be pushed/pulled across uneven surfaces



Nilfisk EcoPower™ clears the way to quicker cleaning

Make your move and take on some of the most demanding cleaning tasks with the MH series. Higher efficiency and quicker cleaning are the by words to the improved fuel saving EcoPower™ boiler system.

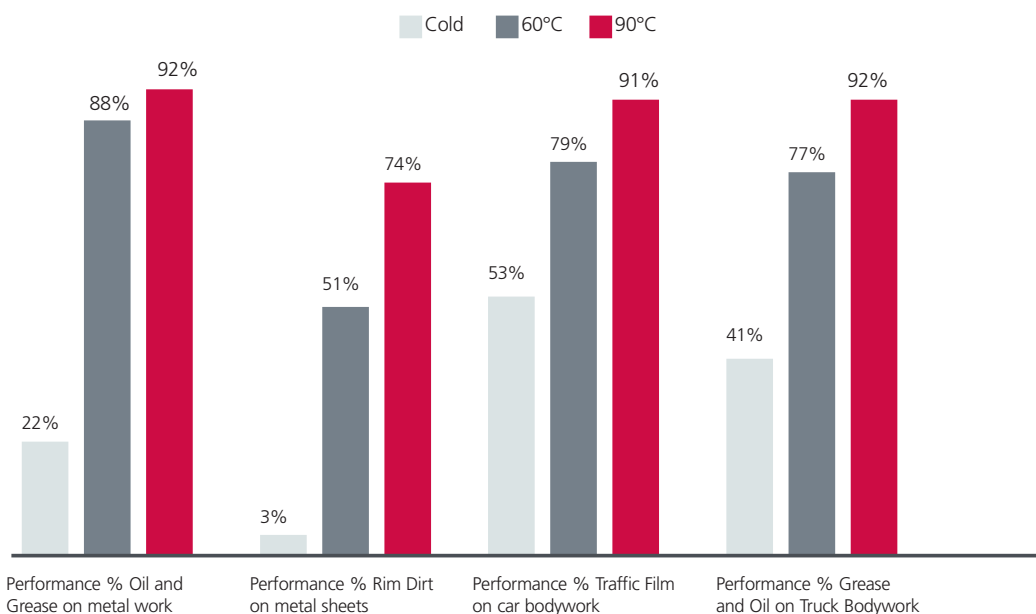
We have worked extensively with the WfK Institute in Germany (investigation WL 6203/12 of WfK Testing Institute) in studying the cleaning effect of different parameters on cleaning efficiency for different types of applications and dirt types such as oil, grease, traffic film and rim dirt on surfaces like metal and vehicle bodywork.

The results allow us to identify best practice cleaning methods in order to reduce cleaning time. Our studies show clearly that the use of hot water implies a major gain in cleaning efficiency for some applications.

Cleaning time can be reduced by 4 for cleaning of oil and grease from metallic surfaces when using 60°C water instead of cold water. This reduces labour, water and electrical costs by 4 reducing the total cost of use of a pressure washer significantly.

The Nilfisk EcoPower™ boiler offers the users the benefit of the highest efficiency levels in the market – between 92 and 93%** efficient and at the same time saving fuel costs. This efficiency level is recognized and approved by the EUnited.

Effect of Temperature on cleaning performance *



*investigation WL 6203/12 of WfK Testing Institute

** Nilfisk boilers have been certified as high efficiency boilers by EUnited - a guarantee of their high performance and low run costs.

EcoMode

The MH series has the possibility of cleaning in an EcoMode. This setting adjusts the boiler to its most efficient setting for a wide range of applications such as car cleaning, cleaning of protein rich material such as blood or animal waste.

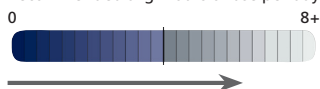




MH 5M high performance, long life & optimal maneuverability



Recommended avg. hours of use per day



TECHNICAL DATA

| | MH 5M-200/960 FA | MH 5M-200/960 FAX | MH 5M-210/1100 FA | MH 5M-210/1100 FAX | MH 5M-210/1100 PAX | MH 5M E12 180/800 PA | MH 5M E24 180/800 PA |
|--|------------------|-------------------|-------------------|--------------------|--------------------|----------------------|----------------------|
| Pump pressure (bar/MPa) | 200/20 | 200/20 | 210/21 | 210/21 | 210/21 | 180/18 | 180/18 |
| Cleaning impact (kg/force) | 5.1 | 5.1 | 6.1 | 6.1 | 6.1 | 4.0 | 4.0 |
| Water flow Qmax/Qiec (l/h) | 960/900 | 960/900 | 1100/1050 | 1100/1050 | 1100/1050 | 800/740 | 800/740 |
| Pump (RPM) | 1450 | 1450 | 1450 | 1450 | 1450 | 1450 | 1450 |
| Water temperature (water/steam) (°C) | 90/150 | 90/150 | 90/150 | 90/150 | 90/150 | 30/80 | 30/80 |
| Max inlet temperature (°C) | 40 | 40 | 40 | 40 | 40 | 60 | 60 |
| Fuel consumption ΔT=45°C (kg/h) | 3.9 | 3.9 | 4.7 | 4.7 | 4.7 | - | - |
| Fuel tank (l) | 30 | 30 | 30 | 30 | 30 | - | - |
| Length x width x height (mm) | 1188x700x1020 | 1188x700x1020 | 1188x700x1020 | 1188x700x1020 | 1188x700x1020 | 1188x700x1045 | 1188x700x1045 |
| Weight (kg) | 171 | 174 | 174 | 179 | 179 | 125 | 131 |
| Power consumption (kW) | 7.2 | 7.2 | 7.9 | 7.9 | 7.9 | 17 | 29 |
| Voltage/phase/frequency/current (V~/HZ/A) | 400/3/50/12 | 400/3/50/12 | 400/3/50/13.5 | 400/3/50/13.5 | 400/3/50/13.5 | 400/3/50/25 | 400/3/50/43 |
| Detergent tank (l) | A: 10 + B: 10 | A: 10 + B: 10 | A: 10 + B: 10 | A: 10 + B: 10 | A: 10 + B: 10 | A: 10 + B: 10 | A: 10 + B: 10 |
| Ceramic pistons | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| El cable (m) | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Nozzle size | .0475 | .0475 | .0550 | .0550 | .0550 | .0400 | .0400 |
| Standard equipment | | | | | | | |
| Ergo coupling kit | 101119496 | 101119496 | 101119496 | 101119496 | 101119496 | 101119496 | 101119496 |
| Water inlet coupling | 61369 | 61369 | 61369 | 61369 | 61369 | 61369 | 61369 |
| 20 m 1 wire hose DN8 1 w. Ergo female coupling | | 301001101 | | 301001101 | 301001101 | | |
| 10 m 1 wire hose DN8 1 w. Ergo female coupling | 101405770 | | 101405770 | | | 101405770 | 101405770 |
| Hose reel accessory | | 106403184 | | 106403184 | 106403184 | | |
| Ergo 2000 standard w. hose swivel | 106403122 | 106403122 | 106403122 | 106403122 | 106403122 | 106403122 | 106403122 |
| Tornado Plus 1120 bend w/o nozzle | 106403010 | 106403010 | 106403010 | 106403010 | 106403010 | | |
| Tornado nozzle 0475 | 301150005 | 301150005 | | | | | |
| Tornado nozzle 0400 | | | | | | 101119738 | 101119738 |
| Universal Plus 1080 bend w/o nozzle | | | | | | 106403035 | 106403035 |
| Nozzle 0550 indication ring neongreen | | | 101119743 | 101119743 | 101119743 | | |
| Water filter complet | 107144272 | 107144272 | 107144272 | 107144272 | 107144272 | 107144272 | 107144272 |
| ITEM NO. | 107146948 | 107146947 | 107146955 | 107146953 | 107146950 | 107146865 | 107146866 |

Optimal maneuverability

Easy access to all control elements even when in a stationary installation

Innovative spray gun holder

Easy storage of detergent tanks

Robust wheel brake to block the machine in position

Foot plate to easily kip and tilt the machine for added maneuverability



Storage box and easy access to dosable AntiScale boiler protection system

High pressure detergent system for additional effect. One or two detergent tanks (A and B) and suction hoses depending on the model chosen

Easy access to fuel tank with simple and easy level sight to avoid running short of fuel

Optimal accessory storage facilities with double lance holder, turnable hook for easy removal of electrical cable, innovative spray gun holder and easy storage of detergent tanks

Optimal maneuverability and ease of transport – the new design with improved center of gravity, layout of parts and 4 large wheel design base improves maneuverability over all types of surface.

After years of studying the maneuverability of hot water cleaners across many different surfaces types and in many situations, a new, innovative wheel layout and other component bases allows the MH range to be easily pushed and pulled across all surface types on construction sites and in agriculture.

Transport functions are greatly improved, making movement of the products much easier:

- The 4 wheel design with large wheels, off-set to improve both ground clearance, balance and maneuverability in movement
- Indication of spaces under chassis for transport via forklift
- Fixation points for straps to secure the machine during transport in vans & trailers