

MH series

High pressure washers with hot benefits



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

Innovative hot water pressure washer units with ergonomic and robust design

The MH series is equipped with our industrial pumps with 3-4 ceramic pistons and 4 pole motor. The machines are ideal for all hot water commercial and industrial cleaning tasks. Due to the 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. Also, the diagnostics function showed in the panel 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.

- High efficiency 4 pole motors
- EcoPower™ boiler with EcoMode function
- Brass pump head
- Large inlet water filter protects pump against impurities
- 3-4 ceramic pistons
- Flow- or pressure activated unloader system
- Oil tank and oil level sight
- Low pump oil warning system
- Low fuel warning system
- Onboard diagnostics function
- Innovative design with 4 big wheels
- Easy to transport, can even be pushed/pulled across uneven surfaces





Optimal accessibility :

Ease of handling is optimized fully – both in use and storage with easy visibility of all control functions also from a distance

- 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



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.

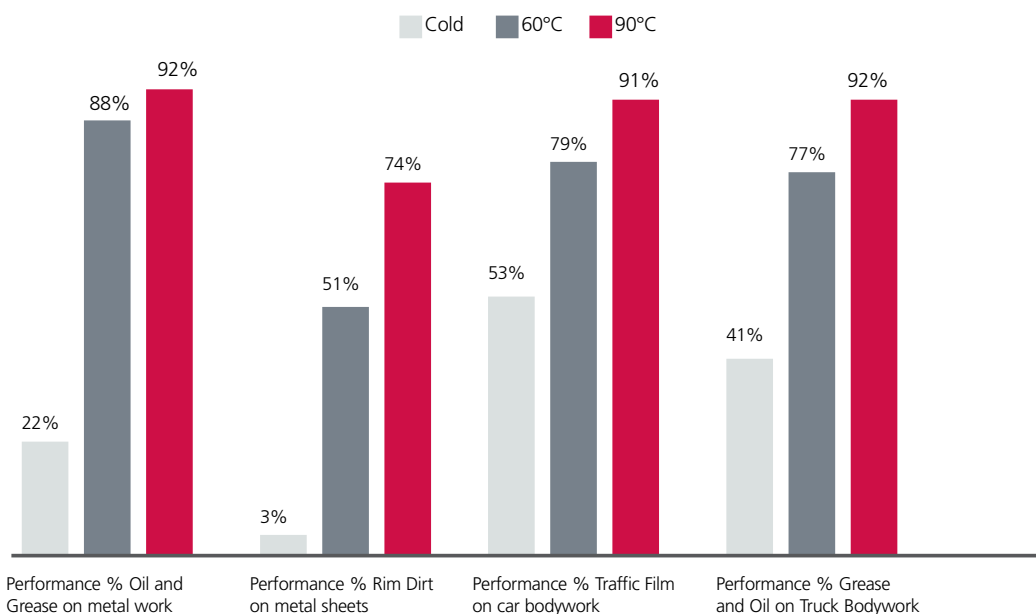
We have worked extensively with the WfK Institute in Germany (investigation WL 6203/12 of WfK Testing Institute) in studying the cleaning effect of different parameters on cleaning efficiency for different types of applications and dirt types such as oil, grease, traffic film and rim dirt on surfaces 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 3M optimal ergonomics, reliable cleaning

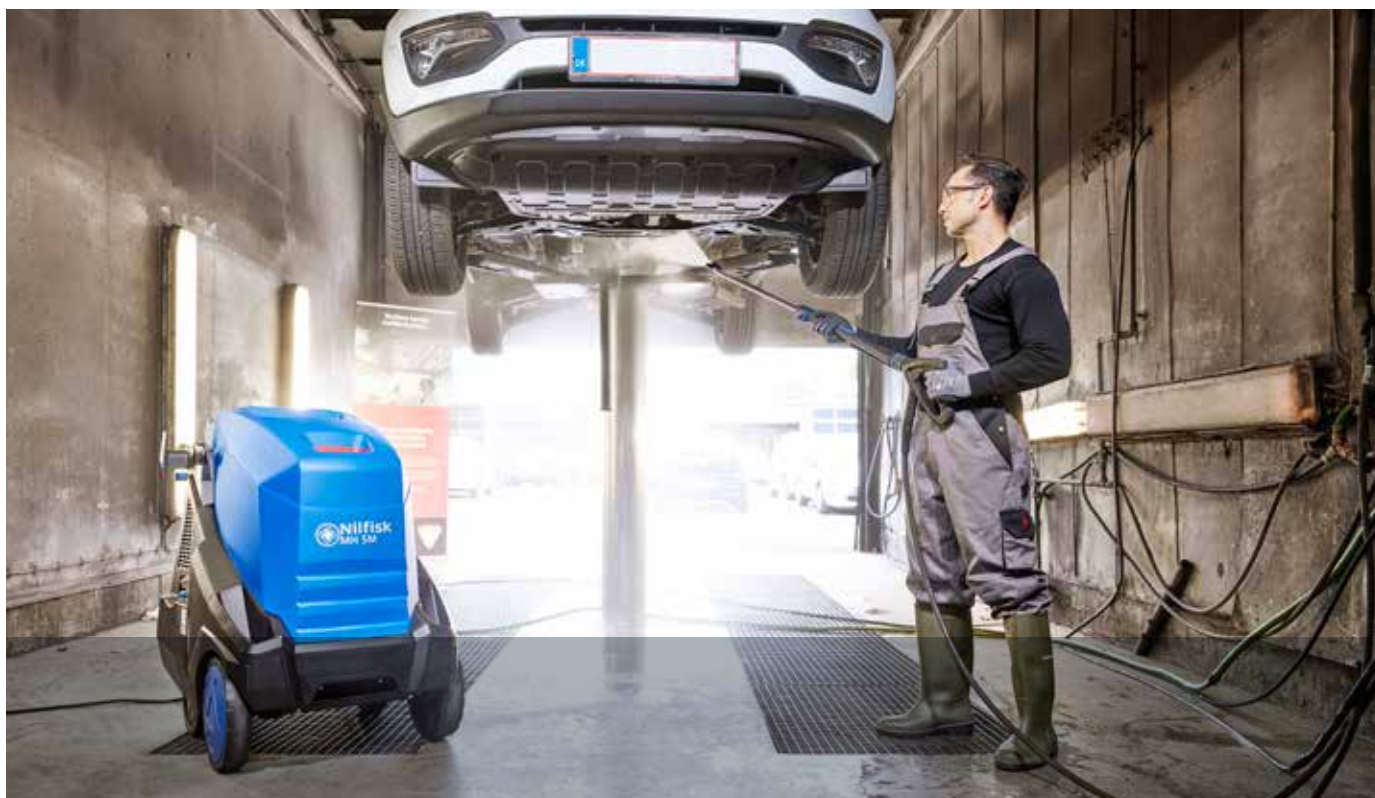
TECHNICAL DATA	MH 3M-140/580 PA	MH 3M-160/770 PA
Pump pressure (bar/MPa)	140/14	160/16
Cleaning impact (kg/force)	2.8	3.6
Water flow Qmax/Qiec (l/h)	580/580	770/700
Pump (RPM)	1450	1450
Water temperature (water/steam) (°C)	80	80
Max inlet temperature (°C)	40	40
Fuel consumption $\Delta T=45^{\circ}\text{C}$ (kg/h)	2.6	3.1
Fuel tank (l)	15	15
Length x width x height (mm)	1010x700x1016	1010x700x1016
Weight (kg)	114	133
Power consumption (kW)	3.6	4.7
Voltage/phase/frequency/current (V~/HZ/A)	230/1/50/16	400/3/50/8
Ceramic Coated Pistons	3	3
El cable (m)	5	5
Nozzle size	.0370	.0400
Standard equipment		
Ergo coupling kit	101119496	101119496
Water inlet coupling	61369	61369
10 m wire hose DN6	301002275	301002275
Ergo 2000 stanard w. hose swivel	106403122	106403122
Universal Plus Lance 940 Bend w/o nozzle	106403036	106403036
Nozzle 0370 Inidcation ring bronze	101119737	
Nozzle 0400 Inidcation ring metal grey		101119738
ITEM NO.	107146895	107146903



MH 4M gives you performance, long life-time and ergonomics

TECHNICAL DATA

	MH 4M-130/720 FA	MH 4M-180/860 FA	MH 4M-180/860 FAL	MH 4M-200/960 FA	MH 4M-200/960 FAX	MH 4M-210/1000 PAX	MH 4M-220/1000 FA	MH 4M-220/1000 FAX
Pump pressure (bar/MPa)	130/13	180/18	180/18	200/20	200/20	210/21	220/22	220/22
Cleaning impact (kg/force)	3	4.3	4.3	5.1	5.1	5.5	5.6	5.6
Water flow Qmax/Qieq (l/h)	720/660	860/790	860/790	960/890	960/890	1000/940	1000/940	1000/940
Pump (RPM)	1450	1450	1450	1450	1450	1450	1450	1450
Water temperature (water/steam) (°C)	90/150	90/150	90	90/150	90/150	90/150	90/150	90/150
Max inlet temperature (°C)	40	40	40	40	40	40	40	40
Fuel consumption ΔT=45°C (kg/h)	2.9	3.5	3.5	3.9	3.9	4.1	4.1	4.1
Fuel tank (l)	15	15	15	15	15	15	15	15
Length x width x height (mm)	1010x700x1016	1010x700x1016	1010x700x1016	1010x700x1016	1010x700x1016	1010x700x1016	1010x700x1016	1010x700x1016
Weight (kg)	141	133	133	142	142	149	142	149
Power consumption (kW)	3.6	5.9	5.9	7.2	7.2	8.0	7.2	7.2
Voltage/phase/frequency/current (V~/HZ/A)	230/1/50/16	400/3/50/10	400/3/50/10	400/3/50/12	400/3/50/12	400/3/50/13,5	400/3/50/14	400/3/50/14
Detergent tank (l)	A: 10 + B:	A: 10 + B:	B: 10	A: 10 + B:	A: 10 + B:	A: 10 + B:	A: 10 + B:	A: 10 + B:
Ceramic pistons	3	3	3	3	3	3	3	3
El cable (m)	5	5	5	5	5	5	5	5
Nozzle size	.0435	.0435	.0435	.0475	.0475	.0475	.0475	.0475
Standard equipment								
Ergo coupling kit	101119496	101119496	101119496	101119496	101119496	101119496	101119496	101119496
Water inlet coupling	61369	61369	61369	61369	61369	61369	61369	61369
NILFISK BA VALVE COMP. GARDENA	106411177	106411177		106411177	106411177		106411177	106411177
15 m 1wire hose DN8 w.Ergo female coupling					301001100	301001100		301001100
10 m 1wire hose DN8 w.Ergo female coupling	101405770	101405770	101405770	101405770			101405770	
Hose reel accessory					106403184	106403184		106403184
Ergo 2000 stanard w. hose swivel	106403122	106403122	106403122	106403122	106403122	106403122	106403122	106403122
Tornado Plus 1000 bend w/o nozzle				106403011	106403011	106403011	106403011	106403011
Universal Plus Lance 940 Bend w/o nozzle	106403036	106403036	106403036					
Nozzle 0435 indication ring blue	101119739	101119739	101119739					
Tornado nozzle 0475				301150005	301150005	301150005	301150005	301150005
Water filter complete	107144272	107144272		107144272	107144272	107144272	107144272	107144272
ITEM NO.	107146915	107146917	107146916	107146920	107146922	107146912	107146938	107146940



MH 5M High performance, long life & optimal maneuverability

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
Pump pressure (bar/MPa)	200/20	200/20	210/21	210/21	210/21
Cleaning impact (kg/force)	5.1	5.1	6.1	6.1	6.1
Water flow Qmax/Qiec (l/h)	960/900	960/900	1100/1050	1100/1050	1100/1050
Pump (RPM)	1450	1450	1450	1450	1450
Water temperature (water/steam) (°C)	90/150	90/150	90/150	90/150	90/150
Max inlet temperature (°C)	40	40	40	40	40
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
Weight (kg)	171	174	174	179	179
Power consumption (kW)	7.2	7.2	7.9	7.9	7.9
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
Detergent tank (l)	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
El cable (m)	5	5	5	5	5
Nozzle size	.0475	.0475	.0550	.0550	.0550
Standard equipment					
Ergo coupling kit	101119496	101119496	101119496	101119496	101119496
Water inlet coupling	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		
Hose reel accessory		106403184		106403184	106403184
Ergo 2000 standard w. hose swivel	106403122	106403122	106403122	106403122	106403122
Tornado Plus 1120 bend w/o nozzle	106403010	106403010	106403010	106403010	106403010
Tornado nozzle 0475	301150005	301150005			
Nozzle 0550 indication ring neongreen			101119743	101119743	101119743
Water filter complet	107144272	107144272	107144272	107144272	107144272
ITEM NO.	107146948	107146947	107146955	107146953	107146950



MH 6P Tough and efficient - for heavy duty applications

TECHNICAL DATA	MH 6P-175/1250 FA	MH 6P-175/1250 FAX	MH 6P-200/1300 FA	MH 6P-200/1300 FAX
Pump pressure (bar/MPa)	175/17.5	175/17.5	200/20	200/20
Cleaning impact (kg/force)	6.2	6.2	6.9	6.9
Water flow Qmax/Qiec (l/h)	1250/1150	1250/1150	1300/1200	1300/1200
Pump (RPM)	1450	1450	1450	1450
Water temperature (water/steam) (°C)	90/150	90/150	90/150	90/150
Max inlet temperature (°C)	40	40	40	40
Fuel consumption ΔT=45°C (kg/h)	5.4	5.4	5.3	5.3
Fuel tank (l)	30	30	30	30
Length x width x height (mm)	1188x700x1020	1188x700x1020	1188x700x1045	1188x700x1045
Weight (kg)	180	188	198	207
Power consumption (kW)	8.5	8.5	9.1	9.1
Voltage/phase/frequency/current (V~/HZ/A)	400/3/50/14.5	400/3/50/14.5	400/3/50/15.5	400/3/50/15.5
Detergent tank (l)	A: 10 + B: 10	A: 10 + B: 10	A: 10 + B: 10	A: 10 + B: 10
Ceramic pistons	4	4	4	4
El cable (m)	5	5	5	5
Nozzle size	.0750	.0750	.0680	.0680
Standard equipment				
Ergo coupling kit	101119496	101119496	101119496	101119496
Water inlet coupling	61369	61369	61369	61369
10 m hose DN10 10 M 2W 3/8X3/8 INCH	6101766		6101766	
20m wire hose 3/8 DN10		1402072		1402072
Hose reel accessory		106403184		106403184
Ergo 2000 standard w. hose swivel	106403122	106403122	106403122	106403122
Tornado Plus 1120 bend w/o nozzle	106403010	106403010	106403010	106403010
Nozzle 0680 indication ring grey			101119747	101119747
Nozzle 0750 indication ring red	101119749	101119749		
Water filter complet	107144272	107144272	107144272	107144272
ITEM NO.	107146960	107146963	107146961	107146964



MH 7P Heavy duty and efficient hot water cleaning for intense use

TECHNICAL DATA

	MH 7P-180/1260 FA	MH 7P-180/1260 FAX
Pump pressure (bar/MPa)	180/18	180/18
Cleaning impact (kg/force)	6.3	6.3
Water flow Qmax/Qiec (l/h)	1260/1170	1260/1170
Pump (RPM)	1450	1450
Water temperature (water/steam) (°C)	90/150	90/150
Max inlet temperature (°C)	40	40
Fuel consumption $\Delta T=45^{\circ}\text{C}$ (kg/h)	5.3	5.3
Fuel tank (l)	30	30
Length x width x height (mm)	1188x700x1045	1188x700x1045
Weight (kg)	195	204
Power consumption (kW)	7.6	7.6
Voltage/phase/frequency/current (V/~/HZ/A)	400/3/50/13.5	400/3/50/13.5
Detergent tank (l)	A:10 + B:10	A:10 + B:10
Ceramic pistons	4	4
El cable (m)	5	5
Nozzle size	.0680	.0680
Standard equipment		
Ergo coupling kit	101119496	101119496
Water inlet coupling	61369	61369
10 m hose DN10 2W 3/8X3/8 INCH	6101766	
20 m wire hose 3/8 DN10		1402072
Hose reel accessory		106403184
Ergo 2000 standard w. hose swivel	106403122	106403122
Tornado Plus 1120 bend w/o nozzle	106403010	106403010
Nozzle 0680 indication ring grey	101119747	101119747
Water filter complet	107144272	107144272
ITEM NO.	107146980	107146982



Optimal maneuverability



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