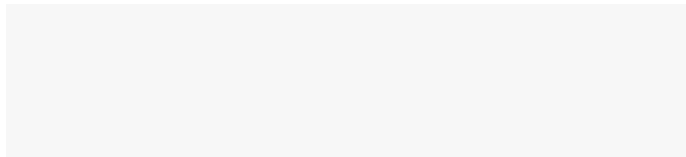


Compact hot water pressure washer with high productivity and mobility

The MH 4M series continues to deliver high performance, ease of use, low noise and great cleaning efficiency. Running and maintenance costs are reduced. The flow-activated control system contributes to even more comfortable use of the machine and assures durability and reliability. The EcoPower boiler system offers > 92% efficiency for significantly reduced fuel consumption and lower running costs.

- EcoPower boiler with > 92% efficiency
- Flow-activated control system for additional comfort in use
- 1450 RPM motor
- NA5H pump with 3 ceramic pistons
- Easy to use control panel
- Ergo 2000 accessory concept
- Includes BA valve backflow preventor
- Steel frame and chassis
- Quick service concept reduces maintenance costs
- Optimal machine protection against low fuel, low pump oil. Includes flame sensor and exhaust gas temperature sensor
- Max. Inlet temperature 40°C



Picture shown may not represent model quoted

The MH 4M delivers high performance, ease of use, low noise and high cleaning efficiency. When transport and storage are important, but high cleaning power is needed, the MH 4M is an ideal choice. Developed for routine yet tough cleaning tasks in automotive, agricultural, construction or light industrial environments.

• Standard equipment

Included accessories	Ref. no.	Min. required	MH 4M-190/960 230-400/3/50 NO
Ergo System Coupling and Adapter			
ERGO COUPLING KIT	101119496	1	•
High Pressure Male Coupling			
LP NIPPLE F. Q.-COUPLING 3/4IN	1600659	1	
High Pressure Female Coupling			
GARDENA MALE 3/4 INCH	32541	1	•
QUICK COUPLING 3/4 W/GASKET	1602945	1	
High Pressure Hose, DN6			
10 M WIRE HOSE DN6	301002275	1	
High Pressure Hose, DN8			
HOSE DN8 1 WIRE 10M W.ERGO FEMALE COUPL.	101405770	1	•
HOSE DN8 1 WIRE 15M W.ERGO FEMALE COUPL.	301001100	1	
Spray Gun			
ERGO 2000 STANDARD W. HOSE SWIVEL	106403122	1	•
Tornado Lance			
TORNADO PLUS 1120 BEND W/O NOZZLE	106403010	1	•
Universal Lance			
UNIVERSAL PLUS LANCE 940 BEND W/O NOZZ	106403036	1	



Compact hot water pressure washer with high productivity and mobility

Included accessories	Ref. no.	Min. required	MH 4M-190/960 230-400/3/50 NO
Tornado Nozzle with Indication Ring			
NOZZLE 0340 INDICATION RING VIOLET	101119735	1	
NOZZLE 0450 INDICATION RING LIGHT BLUE	101119740	1	
NOZZLE 0500 INDICATION RING YELLOW	101119741	1	•

Model MH 4M-190/960
230-400/3/50 NO

Ref. no. 107146612

PRODUCT FEATURES

Single-phase	
Three phase	•
EcoPower boiler-high efficiency	•
SilentPower - 1450 rpm motor	•
QuickService - innovative concept	•
Ergo accessory system	•
Hose reel	
Robust steel chassis and frame	•
Fuel indicator and gauge	•
Pump oil warning system	•
Service indicator	•
Anti calc indicator	•
2-motor system	•
Automatic on/off and delayed action	•
NA5 - 3 ceramic piston pump	•
Flow-activated control system	•
Flame sensor	•

Technical specifications MH 4M-190/960
230-400/3/50 NO

Pump pressure (bar/MPa)	190/19
Cleaning impact (kg/force)	5
Pump (RPM)	1450
Power consumption (kW)	6.0
Voltage/phase/frequency/current (V/~/HZ/A)	230-400/3/50/22.3-12.2
Water flow Qmax/Qiec (l/h)	960/900
Water temperature (water/steam) (°C)	90/150
El cable (m)	5
Fuel consumption ΔT=45°C (kg/h)	4



Compact hot water pressure washer with high productivity and mobility

Technical specifications

MH 4M-190/960
230-400/3/50 NO

Fuel tank (l)	15
Nozzle size	.0500
Max inlet temperature (°C)	40
Ceramic pistons	3
Length x width x height (mm)	1053x685x760
Weight (kg)	136
Sound power level, re Directive 2000/14/EU (LwA)	91

● Standard equipment, ○ Supplementary accessories, □ Mountable equipment

Accessories	Ref. no.	Min. required	MH 4M-190/960 230-400/3/50 NO
Special Nozzle			
CONTAINER CLEANING NOZZLE	15861	1	○
NOZZLE FOR LONG LANCEJET 6-7 M	2802696	1	○
NOZZLE PROTECTION CAP PA	18430	1	○
VARIO NOZZLE HL-I 1/8-27N	56829	1	○
VARIO-NOZZLE CASING 1/8	5888	1	○
Hose and Connection			
NILFISK BA VALVE COMP. GARDENA	106411177	0	○
NILFISK BA VALVE COMP. GEKA	106411179	0	○
NILFISK BA VALVE COMP. NITO	106411178	0	○
NILFISK BA VALVE WO COUPLER	106411184	0	○
WATER INLET HOSE 3/4 P/	6465	1	○
High Pressure Male Coupling			
ADAPTER KEW QUICK COUPLING MALE 3/8	66159	1	○
ADAPTOR KEW GUN TO WAP ACCESS.	66161	1	○
GARDENA COUPLING HOSE END 1/2 BULK	1608629	1	○
GEKA COUPLING HOSE END 3/4	1311	1	○
LP NIPPLE F. Q.-COUPLING 3/4IN	1600659	1	○
NITO COUPLING HOSE END 1	1604669	1	○
High Pressure Female Coupling			
ADAPTER KEW QUICK COUPLING FEMALE 3/8	66160	1	○
ADAPTER WAP GUN COUPLING FEMALE M21X1.5	66162	1	○
COUPLING GEKA FEMALE - INT THREAD 3/4 IN	1718	1	○
GARDENA MALE 3/4 INCH	32541	1	●
HOSE NOZZLE 20R3/4	61369	1	○
QUICK COUPLING 3/4 W/GASKET	1602945	1	○



Compact hot water pressure washer with high productivity and mobility

Accessories		Ref. no.	Min. required	MH 4M-190/960 230-400/3/50 NO
Standard Nozzle 25° 1/8" NPT				
	HP NOZZLE 25045 1/8	8528	1	
	HP NOZZLE 25050 1/8 INCH NPT	7813	1	○
Abrasive Blasting				
	ARMEX-POWDER	5218617	1	○
	BORONCARBIDE FLAT NOZZLE VSB	6400379	1	○
	LANCE SOFTBLASTING W. NOZZLE 05	6401233	1	○
	LANCE WITH RUBBER FLAT NOZZLE 05	6401364	1	○
	NOZZLE FOR WSB - FLAT RUBBER 10 PC.	6402317	1	○
	SAND PLUGER AND HOSE VSB	6400375	1	○
	SIMPLE SAND BLASTING UNIT COMPLETE VSB	301112493	1	
	SUPER BLAST 25KG	8379	1	○
Detergent				
	ALTO ACIDO 10 L	81204	1	○
	ALTO ACTIVE WAX 10 L	81177	1	○
	ALTO ALLOSIL 10 L	81237	1	○
	ALTO ANTI-STONE 10 L	80919	1	○
	ALTO COMBI ACTIVE 10L	81172	1	○
	ALTO INTENSIVE 10 L	81137	1	○
	ALTO J 25 MULTI 10 L	80923	1	○
	ALTO RIMTOP 10 L	80935	1	○
	ALTO SAPPHIRE 10 L	81180	1	○
	ALTO STONE-EX 10 L	81191	1	○
	ALTO SUPERPLUS 10 L	81170	1	○
	ALTO UNIVERSAL 10 L	80930	1	○
	ANTI-STONE SET-6X1 L	8466	1	○
	AUTO ACTIVE 10 L	81136	1	○
Brush Washing				
	BRUSH INSERT	10356	1	○
	WASH BRUSH - ERGO - UNIVERSAL LANCE	14202	1	○
	WASH BRUSH L1550 MM	6400088	1	○
	WASH BRUSH L2350 MM	6400087	1	○
Standard Nozzle 0° 1/8" NPT				
	HP-NOZZLE 0050 1/8	17387	1	○
Liquid Sprayer				
	8P PRESPrAY UNIT	25598	0	○



Compact hot water pressure washer with high productivity and mobility

Accessories		Ref. no.	Min. required	MH 4M-190/960 230-400/3/50 NO
	LIQUID SPRAYER 5S	7110005	0	○
	LIQUID SPRAYER 10SP	7110010	0	○
	LIQUID SPRAYER 20S	7110020	0	○
Standard Nozzle 15° 1/8" NPT				
	HP NOZZLE 15050 1/8	41394	1	○
Drain and Pipe Cleaning				
	DRAIN CLEANER 05 20M HOSE	6401266	1	○
	DRAIN NOZZLE 05 3/8	2800084	1	○
	HOSE DN10 10M W.05 DRAIN NOZZ.W.1/4 NIPP	6401265	1	○
	PIPE CLEANING HOSE 4X10M	301002490	1	○
	PIPE CLEANING HOSE 4X20M	301002491	1	○
	PIPE CLEANING HOSE 4X30M	301002492	1	○
	PIPE CLEANING NOZZLE 1/8INC IG DN4	46921	1	○
	PIPE CLEANING ROTATY NOZZLE 1/8INC IG DN	46918	1	○
TurboHammer Nozzle				
	TURBOHAMMER NOZZLE W11 050	48872	1	○
	TURBOHAMMER NOZZLE W12 045	49285	1	○
	TURBOHAMMER NOZZLE W12 050	301001108	1	○
FlexoPower Lance				
	FLEXOPOWER HOUSE F.NZ 1/8 OUTS. THREAD	63251	1	○
	FLEXOPOWER PLUS 960 BEND W/O NOZZLE	106402282	1	○
	FLEXOPOWER PLUS 990 BEND W/O NOZ.	106402281	1	○
Filter Pressure Washer				
	CARTRIDGE FILTER REPLACEM. 50 uM	1104041	1	○
	SAND FILTER 50 MICRON GEKA MH	106402200	1	○
	SAND FILTER 50MICRON UNIVERSAL	1604461	1	○
	WATER FILTER 50uM 3/4INCH PN12 PA	301000173	1	○
	WATER FILTER COMPLETE	107145802	0	○
Non Blacking High Pressure Hose, DN10				
	20 M 2 WIRE HOSE 3/8 FOOD	1401991	1	○
	25 M 2 WIRE HOSE 3/8 FOOD	1402007	1	○
	30 M 2 WIRE HOSE 3/8 FOOD	1402015	1	○
	HOSE DN10 10 M 2W 3/8X3/8 GRAU-FOOD	6101767	1	○
	HOSE DN10 15 M 2W 3/8X3/8 GRAY-FOOD	1401983	1	○
High Pressure Hose, DN10				
	2 M 2 WIRE HOSE 3/8 DN10	1402924	1	○



Compact hot water pressure washer with high productivity and mobility

Accessories		Ref. no.	Min. required	MH 4M-190/960 230-400/3/50 NO
	3 M 2 WIRE HOSE 3/8 DN10	1402932	1	○
	5 M 2 WIRE HOSE 3/8 DN10	1402940	1	○
	25 M 2 WIRE HOSE 3/8 DN10	1402080	1	○
	30 M 2 WIRE HOSE 3/8 DN10	1402098	1	○
	50 M 2 WIRE HOSE 3/8 DN10	1402759	1	○
	HOSE DN10 10 M 2W 3/8X3/8 INCH	6101766	1	○
	HP HOSE 3/8INCH 1M DN10. COMPL.	1402916	1	○
	HP HOSE DN10 150DEG L15000mm	1402064	1	○
	M 20 WIRE HOSE 3/8 DN10	1402072	1	○
High Pressure Hose, DN8				
	10 M 1 WIRE HOSE 5/16 DN8	1405569	1	○
	HOSE DN8 1 WIRE 10M W.ERGO FEMALE COUPL.	101405770	1	●
	HOSE DN8 1 WIRE 15M W.ERGO FEMALE COUPL.	301001100	1	○
	HOSE DN8 1 WIRE 20M W.ERGO FEMALE COUPL.	301001101	1	○
	HOSE DN8 20 M 1W - 3/8X3/8	1405666	1	○
Ergo System Coupling and Adapter				
	COUPLING - FEMALE/Q-COUPPL 3/8 INCH	106402075	1	○
	ERGO COUPLING KIT	101119496	1	●
	HIGH PRESSURE COUPLINGS KIT	101119499	1	○
	Nippel F. Q-COUPPL. 3/8 INCH	1600493	1	○
	NIPPLE F/QUICK COULING 3/8 SS	1603101	1	○
	PACKING RING 23.8X17.2X2 3/8 INCH St-NBR	1801075	0	○
Brush Rotary				
	BRISTLE. LONG	6401431	1	○
	BRUSH HEAD - SHORT BRASS BRISTLE	6401433	1	○
	NYLON. BRISTLE FOR ROTARY	6401432	1	○
	ROTARY BRUSH 055 1700MM	6400019	1	○
	ROTARY BRUSH 055 L800 MM	6400018	1	○
Special Lance				
	CURVED LANCE L1090 MM	6402016	1	○
	LANCE SINGLE 1500MM W/O NOZZLE	6401193	1	○
	UNDER CARRIAGE WASHER 40065	6400036	1	○
Hose Reel				
	CLEANING TROLLEY SS W/HOSE REEL FOAM IN	6401094	1	○
	HOSE REEL 20M SET	301001131	1	○
	HOSE REEL 20M SET	301001688	1	○



Compact hot water pressure washer with high productivity and mobility

Accessories		Ref. no.	Min. required	MH 4M-190/960 230-400/3/50 NO
	HOSE TROLLEY UP TO 50 M 3/8	6400170	1	○
	HOSEREEL BLUE.PAINT RETRACTAB.W/20M HOSE	106403131	0	○
Injector and Foam Sprayer				
	02 INJECTOR COMPLETE	6401246	1	
	BOTTLE FOR FOAM SPRAYER 2 L	106408164	0	○
	EXTENSION HOSE 30 CM WITH ERGO COUPLINGS	301001311	1	○
	FOAM INJECTOR AGRESSIVE LQDS	6401245	1	○
	FOAM INJECTOR W BYPASS	6401242	1	○
	FOAM INJECTOR W BYPASS S. S	6401243	1	○
	FOAM INJECTOR STANDARD	6401244	1	○
	FOAM LANCE COMPLETE L600 MM	6404368	1	○
	FOAM LANCE COMPLETE L1200 MM	6404369	1	○
Spray Gun				
	ERGO 2000 STANDARD W. HOSE SWIVEL	106403122	1	●
	REP. KIT SWIVEL JOINT	101119484	1	○
	SIDE BAR COMPL.	106402110	1	○
	SPRAY HANDLE W. SWIVEL LOCK	106402190	1	○
Tornado Nozzle with Indication Ring				
	NOZZLE 0340 INDICATION RING VIOLET	101119735	1	
	NOZZLE 0450 INDICATION RING LIGHT BLUE	101119740	1	
	NOZZLE 0500 INDICATION RING YELLOW	101119741	1	●
	NOZZLE PROTECTION F. TORNADOL.	106402425	1	○
Short Lance				
	DOUBLE LANCE W/O NOZZLE 90MM	106402150	1	○
	SINGLE LANCE W/O NOZZLE 90MM	106402151	1	○
TurboHammer Lance				
	TURBOHAMMER PLUS 950 STRAIGHT W12 0350	106403077	1	
	TURBOHAMMER PLUS 1125 STRAIGHT W11 0450	106402290	1	
	TURBOHAMMER PLUS 1125 STRAIGHT W11 0500	106402291	1	○
	TURBOHAMMER PLUS 1130 STRAIGHT W12 0500	106403003	1	○
Tornado Lance				
	TORNADO PLUS 630 STRAIGHT W/O NOZZLE	106403013	1	○
	TORNADO PLUS 1000 BEND W/O NOZZLE	106403011	1	○
	TORNADO PLUS 1120 BEND W/O NOZZLE	106403010	1	●
	TORNADO PLUS 2080 BEND W/O NOZZLE	106403012	1	○
PowerSpeed Vario Lance				



Compact hot water pressure washer with high productivity and mobility

Accessories		Ref. no.	Min. required	MH 4M-190/960 230-400/3/50 NO
	POWERSPEED VARIO PLUS 770 BEND 0500	106403023	1	○
	POWERSPEED VARIO PLUS 1090 BEND 0370	106403091	1	
	POWERSPEED VARIO PLUS 1090 BEND 0450	106403092	1	
	POWERSPEED VARIO PLUS 1090 BEND 0500	106403093	1	○
Universal Lance				
	UNIVERSAL PLUS 650 W/O NOZZLE STRAIGHT	106403032	1	○
	UNIVERSAL PLUS 1080 W/O NOZZ STRAIGHT	106403033	1	○
	UNIVERSAL PLUS 1560 W/O NOZZLE STRAIGHT	106403031	1	○
	UNIVERSAL PLUS 2060 W/O NOZZLE STRAIGHT	106403030	1	○
	UNIVERSAL PLUS LANCE 940 BEND W/O NOZZ	106403036	1	○
	UNIVERSAL PLUS LANCE 1080 BEND W/O NOZZ	106403035	1	○
	UNIVERSAL PLUS LANCE 1230 BEND W/O NOZZL	106403034	1	○
Other				
	CENTRAL TUBE W FASTNERS	107140912	0	○
	CRANE LIFTING BRACKET W. EYE COMP.	301001851	1	
	CRANE LIFTING EYE	301001090	1	○
	EXHAUST PIPE 148X197	301001089	1	○
High Pressure Hose, DN6				
	10 M WIRE HOSE DN6	301002275	1	○
Surface Cleaning Rotary				
	HYDROSCRUB P300 P+H	106403187	0	
	HYDROSCRUB P400 W/O NOZZLES	106403157	0	○

