

# McHenry

**PRESSURE CLEANING SYSTEMS**

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## Hot Water Pressure Washers

# HSE Series



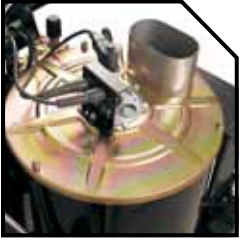
# Hot Water Pressure Washers - HSE Series

## Portable - Electric - Direct Drive

This compact, portable, hot water pressure washer offers quiet operation and is suitable for a wide variety of industrial applications.



High quality fuel filter/water separator ensures clean fuel supply to the burner



Energy efficient top-fired heat exchanger designed for convenient troubleshooting and easy maintenance



HSE-1002-0M10 shown with optional hose reel

### Pump

- Direct or belt drive triplex General pump with ceramic plungers
- Stainless-steel and brass unloader valve
- Forged brass manifold
- Thermal relief valve
- High pressure detergent injection (low pressure on HSE-1002-0M11)

### Motor

- Totally enclosed fan-cooled electric motor with manual thermal overload protection
- 35-foot power cord with in-line GFCI which meets required CSA certification (GFCI not available on 3000 & 3500-PSI models)
- Solid state electronic ignition

### Frame

- Reinforced powder coated steel tube frame with center balanced lifting hook
- Powder coated steel hose reel mounting bracket
- Electric cord hanger
- Powder coated steel gun/wand holder
- Solid steel threaded axles
- Four pneumatic tires with tubes
- Locking tire brake

### Components

- Heavy-duty dual cogged belt drive system to prevent slippage (Belt drive models)
- Complete system diagnostic board

- Float tank (Not available on HSE-1002-0M11)
- Pressure and high limit safety controls
- No. 1 or No. 2 diesel or kerosene fired burner (Bio-fuel not approved at this time)
- Polyethylene burner fuel tank
- Easy coil drain helps prevent freezing in cold weather

### Unit Includes

- 50-foot x 3/8-inch steel wire-braided pressure hose with screw connects, swivel and bend restrictors
- Professional-grade insulated trigger gun with safety lock-off
- Adjustable pressure insulated dual lance with 15° fixed and detergent nozzle

### Miscellaneous

- Temperature rise 150°F/66°C above ambient, maximum outlet temperature is 200°F
- Water output temperature is 190°-200°F (Excludes HSE-1002-SM10)
- Water output temperature for "wet" steam is approximately 250°F (HSE-1002-SM10)
- Operates at 650-PSI in "wet" steam mode (HSE-1002-SM10)



# Hot Water Pressure Washers - HSE Series

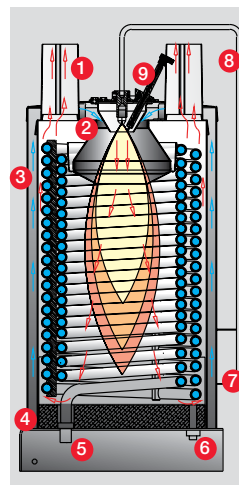


HSE-3004-0M10 shown with optional hose reel

Energy efficient top-fired powder coated heat exchanger designed for convenient troubleshooting and easy maintenance



Heavy-duty dual cogged belt drive system to prevent slippage



## Burner Design

1. Large capacity exhaust tubes allow proper exhausting of combustion gases.
2. When troubleshooting a burner problem, the spark can easily be checked within seconds through the convenient sight glass.
3. Continuous wrap tubing coil eliminates butt welds which can cause leaks. The coil is lightweight and designed for easy replacement and durability.
4. The insulation pad is designed for easy replacement and durability.
5. Coil inlet/outlet connections with convenient coil drain, allows for easy draining of all water in coil to prevent freezing.
6. The combustion chamber drain allows for easy draining of water or fuel build-up.
7. With Mi-T-M's triple air flow design, the temperatures on the outer wrap are kept low enough to eliminate the need for coil insulation. This also increases the efficiencies of the fuel being burned by the ignition on the down flow and the exhaust on the up flow of the burner chamber.
8. Single wire-braided fuel hose prevents leakage, protects the system and won't crack or kink.
9. Electrodes and nozzle assembly are at top of burner for easy maintenance and troubleshooting.

**Direct Drive Models**

Model Number	PSI	GPM	Horsepower/Motor	Plug Type	Burner Fuel Tank Capacity	Burner Fuel Consumption	BTU per Hour	Dimension (LxWxH)	Ship Wt.	Net Wt.
HSE-1002-2M11*	1000	2.0	1.5 HP, 120V, 1Ø, 15.0A	NEMA 5-15P	4.0 gallon	1.33 gph	186,000	34in.x29in.x33in.	368 lbs.	245 lbs.
HSE-1002-2M10	1000	2.0	1.5 HP, 120V, 1Ø, 15.0A	NEMA 5-15P	4.0 gallon	1.33 gph	186,000	34in.x29in.x33in.	368 lbs.	245 lbs.
HSE-1002-SM12^	1000	2.0	1.5 HP, 120V, 1Ø, 15.0A	NEMA 5-15P	4.0 gallon	1.33 gph	186,000	34in.x29in.x33in.	368 lbs.	245 lbs.
HSE-1502-2M10	1500	2.0	2.0 HP, 120V, 1Ø, 19.0A	NEMA 5-20P	4.0 gallon	1.33 gph	169,400	34in.x29in.x33in.	373 lbs.	250 lbs.
HSE-2003-0M10	2000	2.8	4.0 HP, 230V, 1Ø, 18.0A	NEMA 6-20P	4.0 gallon	1.53 gph	207,000	34in.x29in.x33in.	393 lbs.	270 lbs.

\*Low pressure detergent injection.

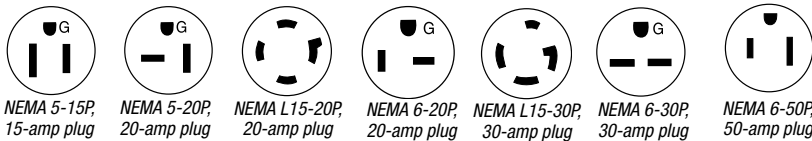
^Combination wet steam cleaner/pressure washer.

**Belt Drive Models**

Model Number	PSI	GPM	Horsepower/Motor	Plug Type	Burner Fuel Tank Capacity	Burner Fuel Consumption	BTU per Hour	Dimension (LxWxH)	Ship Wt.	Net Wt.
HSE-2504-0M10	2500	3.2	6.0 HP, 230V, 1Ø, 25.0A	NEMA 6-30P	10.0 gallon	2.10 gph	294,000	49.5in.x28in.x40.5in.	699 lbs.	569 lbs.
HSE-2504-0M30	2500	3.2	6.0 HP, 230-460V, 3Ø, 16.0A	NEMA L15-20P	10.0 gallon	2.10 gph	294,000	49.5in.x28in.x40.5in.	688 lbs.	558 lbs.
HSE-3004-0M10	3000	3.5	8.0 HP, 230V, 1Ø, 36.0A	NEMA 6-50P	10.0 gallon	2.10 gph	294,000	49.5in.x28in.x40.5in.	737 lbs.	607 lbs.
HSE-3004-0M30	3000	3.5	8.0 HP, 230-460V, 3Ø, 24.0A	NEMA L15-30P	10.0 gallon	2.10 gph	294,000	49.5in.x28in.x40.5in.	732 lbs.	602 lbs.
HSE-3504-0M10	3500	3.3	10.0 HP, 230V, 1Ø, 39.0A	NEMA 6-50P	10.0 gallon	2.10 gph	294,000	49.5in.x28in.x40.5in.	761 lbs.	631 lbs.
HSE-3504-0M30	3500	3.3	10.0 HP, 230-460V, 3Ø, 28.0A	NEMA L15-30P	10.0 gallon	2.10 gph	294,000	49.5in.x28in.x40.5in.	742 lbs.	612 lbs.

**OPTIONS**

Part Number	Description	Fits Models
HX-0050	<b>Auto start/stop</b> - When trigger gun is released, the timer will turn unit off; when trigger gun is pulled unit will restart	HSE-1002-0M11 & HSE-1002-0M10 & HSE-1502-0M10
HX-0051	<b>Auto start/stop</b> - When trigger gun is released, the timer will turn unit off; when trigger gun is pulled unit will restart	HSE-2003-0M10
HX-0052	<b>Auto start/stop - steam</b> - Auto start/stop option - when trigger gun is released, the timer will turn unit off; when trigger gun is pulled unit will restart; Steam option - reduces pressure to 350-PSI by adjusting unloader valve counter-clockwise, spray temperatures will rise 240°F above ambient with a maximum of 300°F	HSE-1002-0M11 & HSE-1002-0M10
HX-0053	<b>Auto start/stop - steam</b> - See HX-0052 for option description	HSE-1502-0M10
HX-0054	<b>Auto start/stop - steam</b> - See HX-0052 for option description	HSE-2003-0M10
HX-0055	<b>Auto start/stop - CAD cell</b> - Auto start/stop option - when trigger gun is released, the timer will turn unit off; when trigger gun is pulled unit will restart; CAD cell option - monitors burner for proper ignition	HSE-1002-0M11 & HSE-1002-0M10 & HSE-1502-0M10
HX-0056	<b>Auto start/stop - CAD cell</b> - See HX-0055 for option description	HSE-2003-0M10
HX-0057	<b>Auto start/stop - steam - CAD cell</b> - Auto start/stop option -when trigger gun is released, the timer will turn unit off; when trigger gun is pulled unit will restart; Steam option - reduces pressure to 350-PSI by adjusting unloader valve counter-clockwise, spray temperatures will rise 240°F above ambient with a maximum of 300°F; CAD cell option - monitors burner for proper ignition	HSE-1002-0M11 & HSE-1002-0M10
HX-0058	<b>Auto start/stop - steam - CAD cell</b> - See HX-0057 for option description	HSE-1502-0M10
HX-0059	<b>Auto start/stop - steam - CAD cell</b> - See HX-0057 for option description	HSE-2003-0M10
HX-0070	<b>Auto start/stop</b> - See HX-0050 for option description	2500 to 3500-PSI models
HX-0071	<b>Auto start/stop - steam</b> - See HX-0052 for option description	2500-PSI models
HX-0072	<b>Auto start/stop - steam</b> - See HX-0052 for option description	3000-PSI models
HX-0073	<b>Auto start/stop - steam</b> - See HX-0052 for option description	3500-PSI models
HX-0074	<b>Auto start/stop - CAD cell</b> - See HX-0055 for option description	2500 to 3500-PSI models
HX-0075	<b>Auto start/stop - steam - CAD cell</b> - See HX-0057 for option description	2500-PSI models
HX-0076	<b>Auto start/stop - steam - CAD cell</b> - See HX-0057 for option description	3000-PSI models
HX-0077	<b>Auto start/stop - steam - CAD cell</b> - See HX-0057 for option description	3500-PSI models
HX-0085	<b>460V</b> - Upgrades 230V 3-phase models to operate at 460V 3-phase	HSE-2504-0M30
HX-0086	<b>460V</b> - Upgrades 230V 3-phase models to operate at 460V 3-phase	HSE-3004-0M30
HX-0087	<b>460V</b> - Upgrades 230V 3-phase models to operate at 460V 3-phase	HSE-3504-0M30
HX-0088	<b>Skid feet</b> - Stationary applications	2500 to 3500-PSI models
HX-0161	<b>Hour meter</b> - Displays number of hours unit has been in operation	2000 to 3500-PSI models
HX-0214	<b>Hour meter</b> - Displays number of hours unit has been in operation	1000 to 1500-PSI models
TX-1004-W	<b>Puncture-proof tires</b> - Tires are flat-free and maintenance-free, 10-inch, white hub, four tires	1000 to 2000-PSI models
TX-1304-W	<b>Puncture-proof tires</b> - Tires are flat-free and maintenance-free, 13-inch, white hub, four tires	2500 to 3000-PSI models



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