



1-800-525-1976
www.hotsy.com

Model: 1452N

#(1.109-703.0)

Type: Hot water, high pressure, Electric powered portable washer. Machine shall be capable of operating on fresh water. Machine shall be manually operated with appropriate safety controls. Must be ETL, UL, CGA or CSA certified. Must conform to UL standard 1776 for pressure washers. All equipment built in an ISO-9001, 2008 registered factory.

Discharge, gpm/lpm	4.0/15.1	Burner Fuel	Natural Gas
Pressure, psi/bar	3000/207	Btu/hr	364, 835
Electric Motor, hp	7.5	Amps	24
Volts	208, 3 phase		



Pressure Hose:

All high-pressure hoses shall be 3/8" ID single wire braid type with a 12000-PSI burst pressure, RMA class A cover with Continuous Impression Branding and Chemigum interior hose. Fittings shall be skive mounted swedge fittings and protected by bend restrictor guards. This hose shall have a 4 to 1 safety rating with an operating pressure of 3000 PSI at 250 Deg. F. and be 50' in length.

Trigger Gun:

Insulated pistol type safety shut off gun supplied shall be rated for 10.5 gpm (39.75) at 5075 psi (349.9 bar) and 320°F (160°C). Constructed of PA66 Nylon shell with cast brass body, stainless steel seat and ball check.

Wand:

A 36" Chrome plated wand with Zytel polymer insulated grip and side handle for left or right handed operation safety and comfort. This wand shall use 1/4" MNPT's on both ends, and be quick coupled to the trigger gun for both ease of usage during operation and storage.

Nozzle:

Appropriately sized color-coded high-pressure nozzle's for single gun operation shall be supplied with 1/4" quick coupler fittings for ease of changing nozzles. These nozzles shall be supplied in 0, 15, and 40 Deg. Spray patterns for various cleaning needs.

Pump Drive:

The pump drive system shall be of the belt drive type using double groove pulleys, 2 belts equipped with an auto-tensioning system and shall be enclosed inside a pumping cabinet.

High Pressure Pump:

The high-pressure pump shall be a Hotsy pump with ceramic plunger, oil bath crankcase, forged brass head rated for pressure of up to 3000 PSI (207 Bar) and Buna-N and cloth "U" seals. Assembled with NEST Technology. Pump shall feature a 7 year crankcase warranty.

Unloader Valve:

The pressure washer shall be equipped with a pressure actuated unloader valve set to maximum machine operating pressure. This unloader valve shall operate in conjunction with the single trigger gun to give safe operation of the equipment to start and stop the water flow from the nozzle.

Chassis:

The washer chassis shall be a welded mild steel assembly with an enclosed cabinet, covering all belts, coil pulleys and moving parts. A float tank shall be mounted inside this frame work for added protection. All chassis surfaces shall be covered with a powder coat paint after all surfaces have been properly phosphatized to provide optimal adhesion properties for the paint.

Controls:

All machine controls shall be 24 volt low voltage, mounted on a control panel providing equipment control by the operator at a safe and comfortable position. These controls shall include pump start/stop switch, burner start/stop switch, interlocked with the pump switch, hour meter and an adjustable thermostat with a range of 32 to 240 Deg. F.

Auto Start/Stop with Shutdown:

Machine features in smart control, pre-programmed; auto start/stop and auto shutdown (time delay shutdown) to turn machine off in the event the machine is left on and unattended. These features can be customized, or times adjusted as needed and/or required by customer.

Burner System:

The burner system shall be of the naturally aspirated burner spuds mounted in a ring configuration. The coil used with this draft system shall have the coil pancakes spaced precisely for maximum heat removal from the burner flames without flame impingement or draft flow restriction, thus causing coil sooting or improper heating.

Burner Controls:

These controls shall operate the burner system through the means of a pressure switch that will not allow the burner to ignite if water pressure of 380 PSI or greater is not present in the pump and coil system. This pressure switch shall operate the gas valve only.

Heating Coil:

The heating coil for the pressure washer shall be constructed from 151' of schedule 80 pipe. This pipe shall have a burst pressure of 17,500 PSI and shall be wound in an upright coil position. This will provide a combustion chamber and top layer pancake system adequate for the amount of BTU's needed to heat the high pressure water up to 120 Deg. or more above inlet water temperature. Machine shall come with a full 5 year warranty from the date of purchase.

Safety Relief Valve:

This device shall be located at the discharge port of the coil for over pressurization protection and safety of operator.

Detergent Application:

This equipment shall have the capability of applying detergent at a preset ratio determined by the owner. It shall be capable of applying the detergent at high pressure through means of an off/on detergent valve mounted on the control panel and plumbed to the inlet of the pump, thus allowing the benefits of the coil cleaning additives of the detergent to be applied to the inside of the heating coil.

Dimensions:

Length; 47.5"
Width; 21"
Height; 51" (Including connectors and flue outlet)
Machine Weight; 605 lbs.
Shipping Weight; 625 lbs.

