

Parts Washer - Standing Unit - Torrent 400

The **Torrent 400** provides industrial-strength cleaning power for intricate parts that require a "hands-on" approach without the health risks of traditional solvents. Using a combination of heat, chemistry, and **500 PSI of water pressure**, it can clean complex geometries in seconds.

How it Works

- **High-Pressure Cleaning:** A foot-pedal-operated pump delivers a concentrated spray at 500 PSI, allowing you to blast grease out of blind holes and crevices.
- **Ergonomic Design:** Users interact with the parts through heavy-duty integrated gloves while viewing the work through a clear, pressurized window with a built-in wiper.
- **Heated Aqueous Solution:** The system uses an eco-friendly, water-based detergent heated to **115°F - 120°F** to accelerate the breakdown of hydrocarbons.

Quick Specs

- **Max Load Weight:** 110 lbs (50 kg).
- **Working Area:** Large enough for most automotive components.
- **Visibility:** Features high-intensity lighting and an air-knife system to keep the viewing window clear of steam and splashes.
- **Soft-Metal Safe:** Generally safe for aluminum, copper, and brass, but **keep an eye out**. If your part looks "shiny" when it goes in but turns "**d ark/charcoal**" during cleaning, stop immediately. This indicates the chemistry is too alkaline for that specific alloy. Report this to **#Team_Automotive** on [talk](#) so we can verify the current detergent's pH balance.

Standard Operating Procedures (SOP)

1. **Preparation:** Check that the heater is active by spraying a small amount of liquid; the solution must be warm to be effective. To extend the life of the fluid, the majority of heavy grease should be manually removed (scraped or brushed) prior to placing parts in the unit.
2. **Loading:** Place parts on the internal grate. Ensure the heavy lid is fully latched all the way around before starting.
3. **Operation:** Activate the power switch at the front of the **unit**. Insert hands into the gloves and use the foot pedal to activate the spray. Use the high-pressure nozzle to target heavy grime, and agitate with an internal brush if needed.
4. **Rinse & Dry:** After cleaning, use the integrated air-blow gun to dry the part and prevent flash-rusting before removing it from the cabinet.
5. **Cleanup:** After completion, clean up the internal workspace and any brushes used. Ensure the lid is closed to retain heat.

Safety & Compliance

- **Personal Protection:** Because the unit is fully enclosed, it eliminates the risk of splashing chemicals on skin or inhaling harmful vapors. **Note:** **Make sure your hands are clean before inserting them into the machine's gloves to avoid contaminating the glove liners.**
- **Waste Management:** All grease and oil are captured in an internal filtration system. **Raise an issue on Talk in the #Team_Automotive channel if the water level is low or the pressure feels weak.**

[CAUTION] NO SOLVENTS: Never add solvents, brake cleaner, or flammable liquids to this unit. It is strictly an aqueous (water-based) system

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Name	Torrent 400
Date Acquired	
Training	Training Recommended
Manufacturer	NCH or Partsmaster
Description	Fully enclosed water based parts cleaner with 3 key elements: high pressure, heat and degreaser.
Volunteers	

Related Pages

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[User Manual](#)

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