



In scope / out of scope

The scope of these requirements are:

In scope	Out of scope
Type 1, 2 and 3 machines	Type 4 machines require a job specific THA and written procedure prior to use.

Pressure washer machine categories

These requirements cover all four categories of pressure washer cleaning machines. For each category, fluid pressure is measured at the discharge nozzle.

Type 1	Type 2	Type 3	Type 4
900 psig or less	Greater than 900 psig and less than 3,200 psig	Greater than 3,200 psig and less than 5,000 psig	Greater than 5,000 psig

Worker requirements for all pressure washing operations

For all pressure washing operations workers must:

- **Set** operating pressure and temperature as low as possible to do the job
- **Choose** the widest angle, or least concentrated, tip to do the job
- **Establish** an exclusion zone
- **Review** specific PPE required for chemical and physical hazards
- **Receive** COPA Superintendent approval for shorter than specified wand or using a red tip. THA or written procedure required

Type 2 and 3 machine requirements

Type 2 or 3 machines must be designed to prevent hose disconnect while under pressure.

Non-metallic hoses on type 3 machines

Requirements for non-metallic hoses on type 3 machines:

- must be shrouded with a protective device for a distance of at least 2 feet from the nearest grasping area of the wand/lance
- the shroud must interrupt and disperse the fluid flow in the event of hose rupture to prevent user injury

Wand requirements

Wands or lances must have:

- Trigger that automatically returns to off position when released
- Trigger guards

Minimum distance between the trigger mechanism and the discharge nozzle is:

Types 1 & 2	Type 3
29.5 inches	48 inches

Eye protection minimum requirements

Minimum required eye protection is based on type of machine and work performed. Red tips are zero degree and require more eye protection.

Work Type	Type 1	Type 2	Type 3
Red Tip	Goggles	Goggles	Goggles and Face Shield or Full-Face respirator
Red Tip and more than 1 person or Short Wand (<29.5")	Goggles and Face Shield or Full-Face respirator	Goggles and Face Shield or Full-Face respirator	Goggles and Face Shield or Full-Face respirator
Other Color Tips	Safety Glasses	Goggles	Goggles and Face Shield or Full-Face respirator
Other Color Tip and more than 1 person	Goggles	Goggles	Goggles and Face Shield or Full-Face respirator
Other Color Tip and Short Wand (<29.5")	Goggles and Face Shield or Full-Face respirator	Goggles and Face Shield or Full-Face respirator	Goggles and Face Shield or Full-Face respirator

Foot and body protection minimum requirements

Minimum Foot and Body Protection requirements are based on work and machine type.

Work Type	Type 1	Type 2	Type 3
Red Tip	xtratuf® or equivalent boot – all workers	Metatarsal Protection -user & additional workers Body Armor – additional workers	Metatarsal Protection and Body Armor – all workers
Red Tip and Short Wand (<29.5")	xtratuf® or equivalent boot	Metatarsal Protection and Body Armor	Metatarsal Protection and Body Armor
Other Color Tips	Regular Work boots	xtratuf® or equivalent boot	Metatarsal Protection and Body Armor