



**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
<b>Red Tip</b>	Goggles	Goggles	Goggles and Face Shield or Full-Face respirator
<b>Red Tip and more than 1 person or Short Wand (&lt;29.5")</b>	Goggles and Face Shield or Full-Face respirator	Goggles and Face Shield or Full-Face respirator	Goggles and Face Shield or Full-Face respirator
<b>Other Color Tips</b>	Safety Glasses	Goggles	Goggles and Face Shield or Full-Face respirator
<b>Other Color Tip and more than 1 person</b>	Goggles	Goggles	Goggles and Face Shield or Full-Face respirator
<b>Other Color Tip and Short Wand (&lt;29.5")</b>	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
<b>Red Tip</b>	xtratuf® or equivalent boot – all workers	Metatarsal Protection -user & additional workers Body Armor – additional workers	Metatarsal Protection and Body Armor – all workers
<b>Red Tip and Short Wand (&lt;29.5")</b>	xtratuf® or equivalent boot	Metatarsal Protection and Body Armor	Metatarsal Protection and Body Armor
<b>Other Color Tips</b>	Regular Work boots	xtratuf® or equivalent boot	Metatarsal Protection and Body Armor