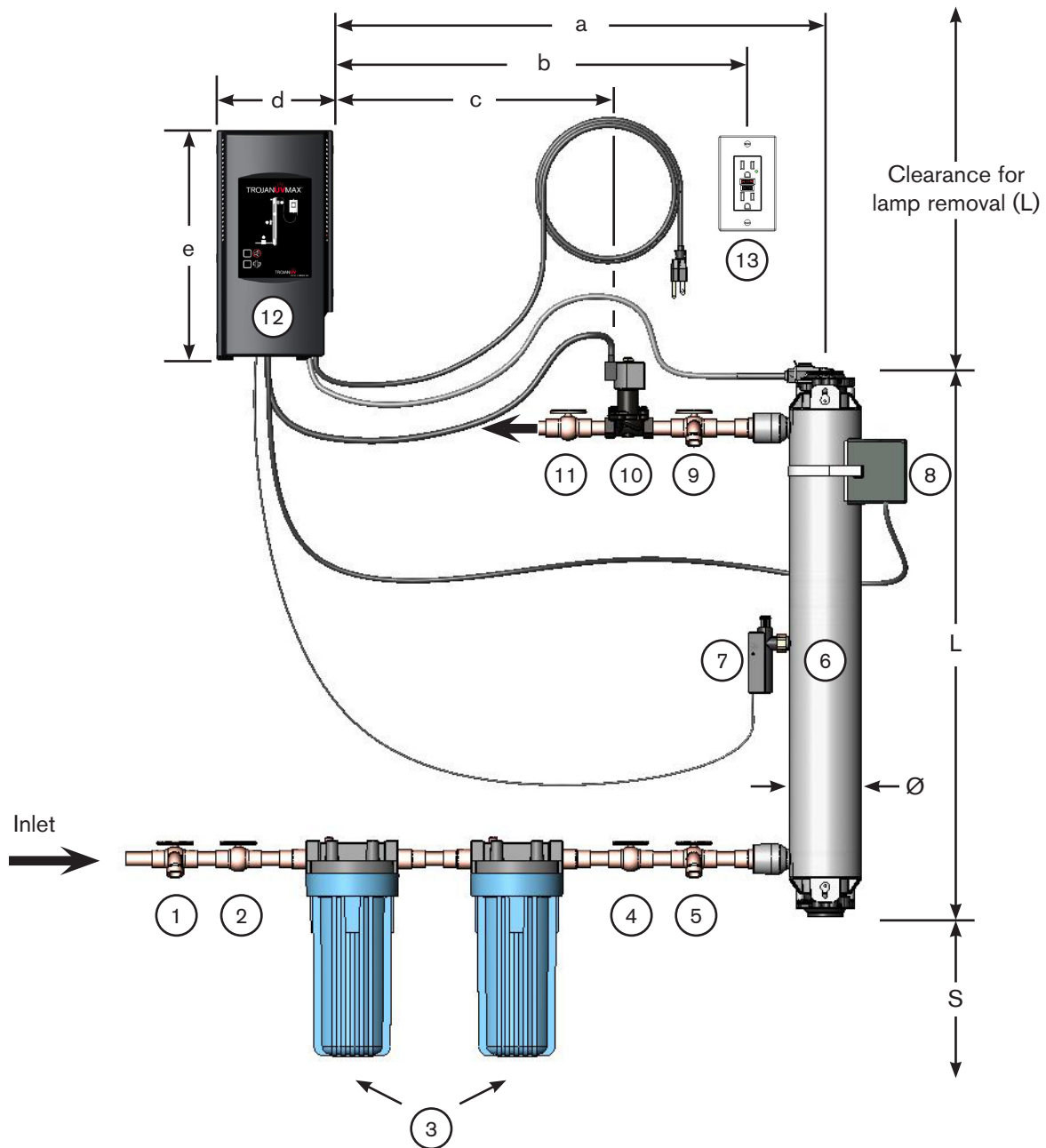


TROJAN^{UV}MAX™ Pro Series

Dimensions and Layout



Model	L	S (min.)	Ø	a (max.)	b (max.)	c (max.)	d	e
Pro10	21.4" (55cm)	12" (30cm)	4" (10cm)	48" (122cm)	72" (182cm)	72" (182cm)	6.5" (16.5cm)	13" (33cm)
Pro20	31" (78cm)	12" (30cm)	4" (10cm)	48" (122cm)	72" (182cm)	72" (182cm)	6.5" (16.5cm)	13" (33cm)
Pro30	41" (103cm)	12" (30cm)	4" (10cm)	48" (122cm)	72" (182cm)	72" (182cm)	6.5" (16.5cm)	13" (33cm)

Sampling and shut-off valves, fittings, and pre-treatment equipment not included.

- ① **Sample valve:** Allows for sampling of raw water.
- ② **Shut-off valve:** Required to allow maintenance of pre-treatment equipment.
- ③ **Pre-treatment (illustrative only):** For the UV system to operate effectively, the water should meet certain water quality parameters, as outlined below. To meet these, pre-treatment of the water may be required. Pre-treatment equipment must be installed BEFORE the UV chamber. Pre-treatment systems can be comprised of one or more of the following elements: sediment filters; carbon filters; iron removal systems; water softeners; cyst reduction filters, etc.

Water Quality Requirements:

Iron:	< .3 PPM (.3 mg/L)
Hardness:	< 120 PPM (7 Grains Per Gallon)
% UVT:	> 75%

IMPORTANT:
**A 5 micron (nominal) sediment filter must be installed
before the UV system and after any water softening equipment.**

- ④ **Shut-off valve:** Required to allow maintenance of UV system.
- ⑤ **Sample valve:** Allows for sampling of water entering UV chamber; necessary in order to confirm water being treated is of adequate quality.
- ⑥ **UV chamber:** Provides disinfection of the water. **MUST BE INSTALLED VERTICALLY.**
- ⑦ **Sensor:** Monitors UV output to ensure proper dose (UV exposure) is being provided. Unique test function allows verification of sensor performance.
- ⑧ **CoolTouch™ fan:** Removes excess heat from stagnant water in chamber during periods without water flow.
- ⑨ **Sample valve:** Allows for verification of sampling of water immediately following UV treatment; necessary in order to confirm proper operation of UV system.
- ⑩ **Solenoid valve:** Optional piece of equipment supplied by Trojan. Allows water supply to be shut-off when proper disinfection cannot be assured. Manual by-pass allows for disinfection of water lines using chlorine bleach, following installation and maintenance procedures.
- ⑪ **Shut-off valve:** Required to allow maintenance of UV system.
- ⑫ **Power supply:** Powers and controls the UV lamp and other devices. Provides human interface, displaying information and allowing control inputs (such as muting the audible alarm).
- ⑬ **Power source:** Provides power to the power supply. For safety reasons the outlet must be protected by a Ground Fault Circuit Interrupter (GFCI). **NOTE:** to protect the power supply, a UL1449 certified (or equivalent) transient voltage surge suppressor is recommended.