

Installation

S19-876

Drench Hose Service/Retrofit Kit
for Heat Trace Showers

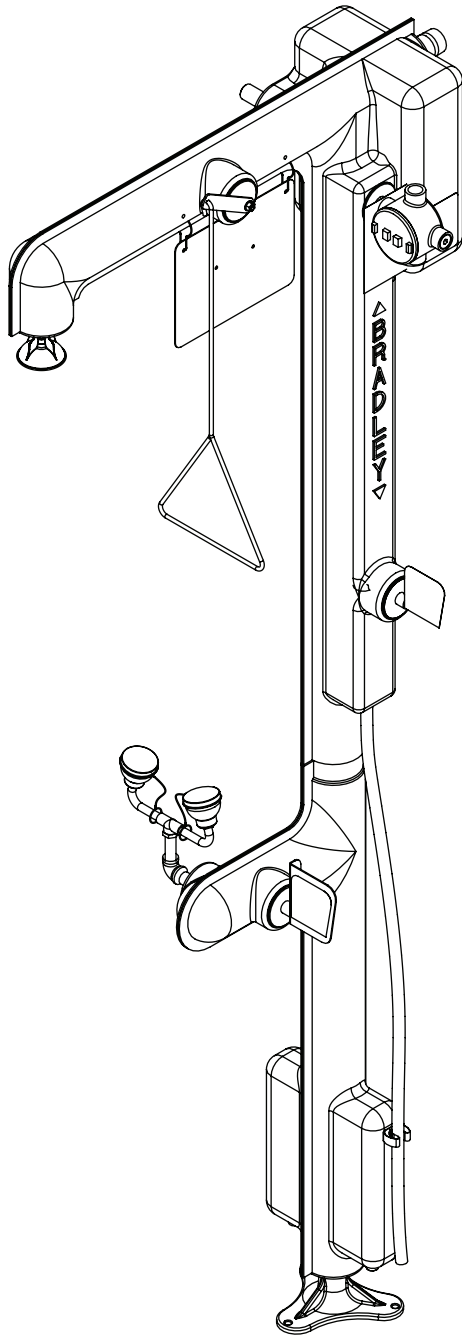


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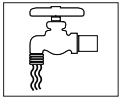
⚠ IMPORTANT ⚠



Read this installation manual completely to ensure proper installation, then file it with the owner or maintenance department. Compliance and conformity to drain requirements and other local codes and ordinances is the responsibility of the installer.



Separate parts from packaging and make sure all parts are accounted for before discarding any packaging material. If any parts are missing, do not begin installation until you obtain the missing parts.



Flush the water supply lines before beginning installation and after installation is complete. Test the unit for leaks and adequate water flow. Main water supply to the eyewash should be "ON" at all times. Provisions shall be made to prevent unauthorized shutoff.



The ANSI Z358.1 standard requires an uninterrupted supply of flushing fluid at a minimum 30 PSI (0.21 MPa) flowing pressure. Flushing fluid should be tepid per ANSI Z358.1.



The inspection and testing results of this equipment should be recorded weekly to verify proper operation. This equipment should be inspected annually to ensure compliance with ANSI Z358.1.

Workers who may come in contact with potentially hazardous materials should be trained regarding the placement and proper operation of emergency equipment per ANSI Z358.1.



For questions regarding the operation or installation of this product, visit www.bradleycorp.com or call 1-800-BRADLEY.

Product warranties and parts information may also be found under "Products" on our web site at www.bradleycorp.com.

Installation

NOTE: Parts are shipped loose for field installation.

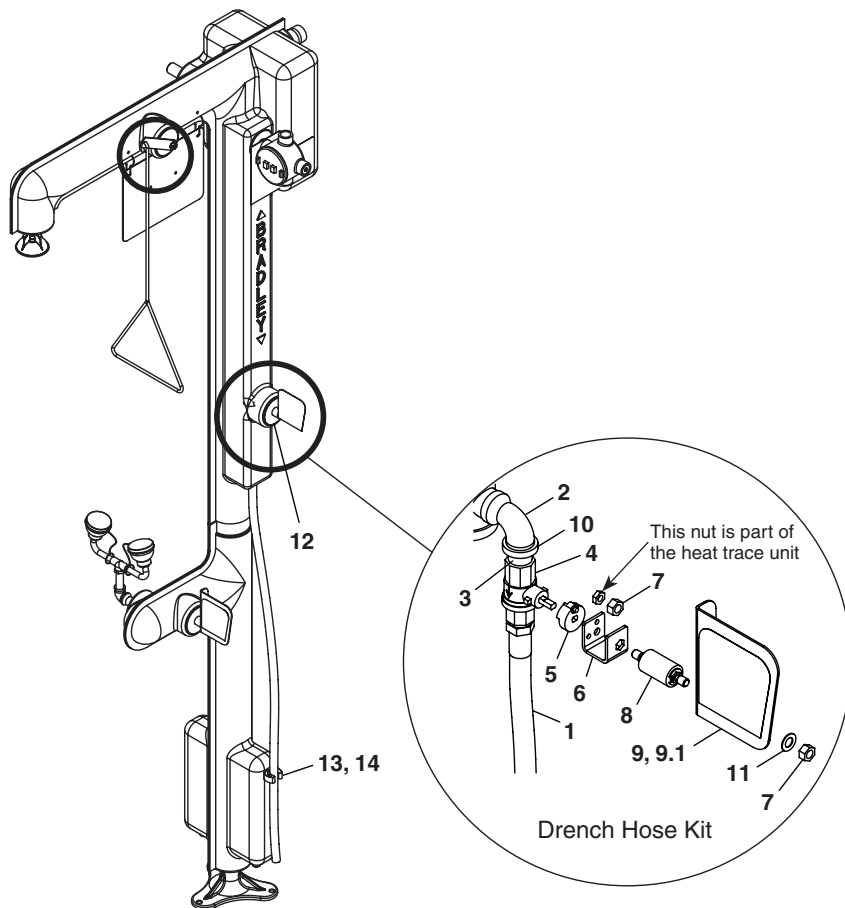
1. Remove the vinyl edge trim from the upper half of the unit so that the upper right plastic shell can be pulled away from the unit (or removed completely).

NOTE: Other components may have to be disassembled to remove the shell.

2. Expose the 1/2" pipe plug by partially removing the insulation and then remove plug.
3. Connect the drench hose parts as shown using pipe sealant on the threads. Do not secure the flag handle permanently at this time.
4. Operate the valve to ensure parts are installed correctly before reattaching the shell. The flag handle must operate in the same fashion as the eyewash handle.
5. Remove the plastic plug from the shell to allow the hose to be routed through the hole.
6. Remove the grommet plug and install the new grommet for shaft seal.
7. Reattach the shell and edge trim.
8. Tighten the retaining nut on the flag handle.
9. Install the clip with screw to restrain the hose.

Service Parts List

Item	Part No.	Qty	Description
1	S89-025	1	Hose
2	269-1100	1	1/2" Street Elbow, 90°
3	169-1072A	1	Pipe 1/2"
4	S27-329	1	Ball Valve, 1/2" with Nut (frost-proof)
5	153-372R	1	Ball Valve Adapter - Right Hand
6	128-151	1	Handle Adapter
7	161-036	2	Hex Nut, 5/16"-18
8	S21-068	1	Operating Stem
9	S08-383	1	Flag Handle - RH (includes nameplate)
9.1	114-049	1	Nameplate only
10	125-167	1	Flow Control
11	142-002DC	1	Lockwasher
12	179-105A	1	Grommet
13	146-031	1	Clip
14	160-245	1	Screw
15	269-1667	1	insulation (not shown)



Troubleshooting

Problem	Cause	Solution
Low water flow at drench shower and eyewash	<i>Insufficient pressure Undersized supply piping</i>	Minimum 30 GPM required Increase pressure/pipe size
Low water flow at drench shower or eye wash	<i>Debris in system</i>	Disassemble the showerhead, clean and reassemble Unscrew the eyewash heads from the yoke, clean and reassemble. If still clogged, replace the heads.
Freeze-protection valve is flowing water	<i>Power supply is off [if the water temperature from the valve is below 45°F (7°C)]</i>	Turn the power on.
	<i>Water supply is too cold</i>	Make sure the unit is supplied with tempered water.
	<i>Defective thermostat [if the water temperature from the valve is below 45°F (7°C)]</i>	Check continuity and replace if check fails activates at 50°F (10°C) (factory-set).
	<i>Defective freeze valve [if the water temperature from the valve is above 45°F (7°C)]</i>	Replace the freeze valve <i>NOTE: A water supply that is at least 45°F (7°C) or colder will hold the freeze bleed valve open. To close the valve:</i> <i>1. turn the water off temporarily or plug the valve until the heat trace unit's heat warms the valve</i> <i>2. increase the surface temperature of the valve to above 45°F (7°C) by immersing the valve in hot water</i> IMPORTANT: Make sure that the heat trace unit is operating properly before plugging the freeze bleed valve. A plugged valve will not provide backup freeze protection should the heat trace unit fail.
Scald-protection valve is flowing water	<i>Defective scald valve [if the water temperature from the valve is below 80°F (27°C)]</i>	Replace the scald valve.
	<i>Direct sunlight or high ambient temperature</i>	Cool the unit.
	<i>Defective thermostat</i>	Check continuity and replace if check fails activates at 50°F (10°C) (factory-set).