



A WATTS Brand

S45-1986, S45-1987, S45-1989, S45-1990 Freeze and Scald Protection Kits

- Scald and freeze protection valves complement thermostatic mixing valves
- Scald protection valves protect end user in warm climates; freeze protection valves protect pipes from bursting

Specifications

Scald protection kits are intended for use where there is a risk of injury to an end user caused by elevated water temperature. The scald valve will initiate flow when the thermostatic actuator senses 98°F (36.7°C) and will remain open as long as the discharge water temperature is above 95°F (35°C). Classic combination units require both the S45-1989 and the S45-1990 for scald protection. Halo units require S45-1989 for scald protection.

Freeze protection kits are intended for use where there is a risk of water freezing in the pipes. The valve begins to bleed the cold water at 35°F (2°C) and is fully closed at 40°F (5°C). Classic combination units require both the S45-1986 and S45-1987 for freeze protection. Halo units require S45-1986 for freeze protection.

To prevent standing water or an ice patch hazard, a discharge hose or piping should be connected to the unit to funnel the discharge away from the unit. Maximum pressure rating is 200 PSI.

The valve is installed at a low point where the water will tend to be static or "dead leg." When installing a valve, point the valve downward to allow for drainage. For combination scald/freeze valve installation, the freeze valve is always connected closest to the ball valve.

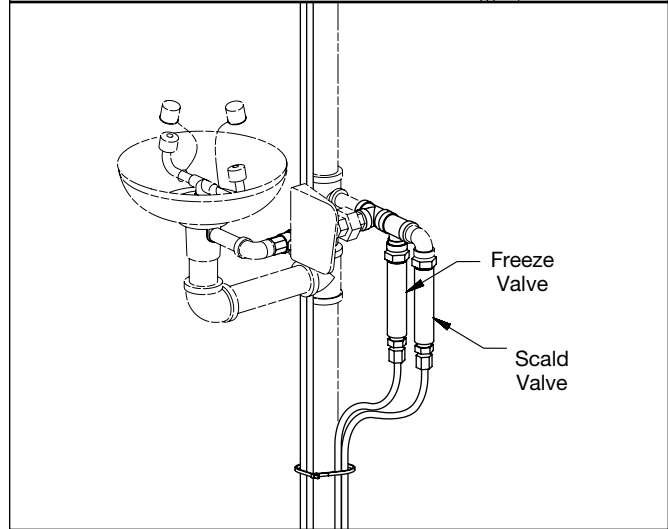
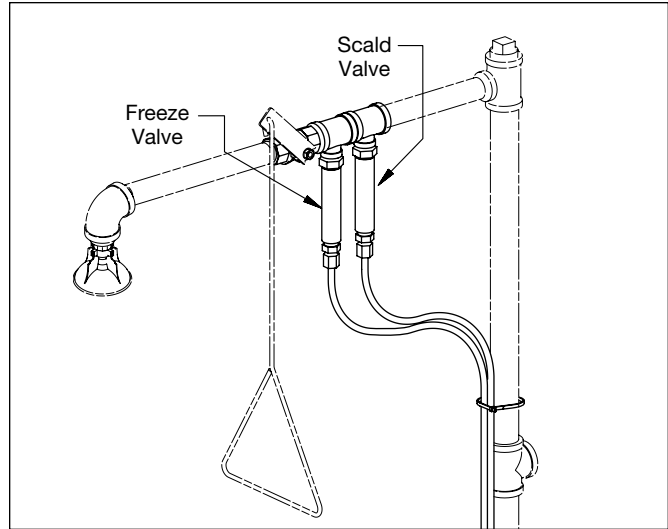
Standard Equipment

Scald/Freeze Protection Valve

The standard scald/freeze protection valves are made of brass castings with stainless steel bodies, fittings, springs, and plugs. Valves are 1 1/8" in diameter and 5 1/4" long. Both inlet and outlet valves are 1/2" NPT. The freeze protection ball valve has a hole drilled on one side to allow the ball to bleed out.

Water Supply

1/2" or 1" NPT.



Classic Units

Model	Description
S45-1990	Scald Protection for Drench Showers
S45-1987	Freeze Protection for Drench Showers
S45-1989	Scald Protection for Eyewashes
S45-1986	Freeze Protection for Eyewashes

Halo Units

Model	Description
S45-1989	Scald Protection for both Drench Shower and Eye or Eye/Facewashes
S45-1986	Freeze Protection for both Drench Shower and Eye or Eye/Facewash
S45-1986XS	Freeze Protection for both Drench Showers and Eye or Eye/Facewashes w/Stainless Steel Elbow
S45-1989XS	Scald Protection for both Drench Showers and Eye or Eye/Facewashes w/Stainless Steel Elbow