

## Soap Mix System Model UPR-CMS1

Hydro Engineering provides a safe and simple solution to mixing UPRR soaps to a consistent 2 to 1 water to soap dilution.

### Here is how it works:

There are three required connections to the following female pipe thread (FPT) connectors:

1. **Soap in;** a ¾" FPT is supplied for the soap supply.
2. **Water in;** a ¾" FPT is supplied for the fresh water supply.
3. **Mixed soap out;** a 1" FPT is supplied for the mixed soap discharge.



Once all connections are made and the Soap Mix System has been filled with both soap concentrate and water, the discharge is automatically set to provide 8-10 GPM of mixed soap at the system discharge at a pressure of between 70 and 90 PSI. This system is designed with backflow prevention to assure that no soap or water inlet to this system can backflow into the sanitary sewer.

### Requirements:

Water inlet supply (¾", minimum 6 GPM)  
Soap inlet supply (¾", minimum 4 GPM)  
Soap discharge (1" connection that provides 70-90 PSI)  
110 Volt Single Phase power, minimum 20 amps

Weight: 504 LBS.

Dimensions: 20" wide X 46" long x 71" high