

WATER EATER®

AUTO-FILL & CLEANOUT SYSTEMS

AFS: AUTO FILL SYSTEM

The Auto Fill System (AFS) allows the Water Eater to operate in a continuous and unattended mode as long as a feed source of water is available and the solids or concentration level does not create an overheat condition. The system operates as follows:

When the fluid level in the Water Eater drops below the low level set point, a Countdown Timer activates the 70 SFP Self Priming fill pump (see below) and a Delay Relay which overrides the low level shutoff. If enough fluid is added by the pump during this timer cycle to satisfy the low level, the heating system will stay engaged. If the low level set point is not reestablished within the specified setting of the timer (i.e. your feed tank is empty) the Delay Relay is disengaged and the Water Eater will go into shutdown mode.

The Auto Fill System can be operated with either the supplied 70SFP Self-Priming Fill Pump or with a customer supplied pump or solenoid valve. The EMC supplied pump contactor is rated at 40 Amps, 1 or 3 phase.

A backup high level control is supplied as an added safety system and 3 way Cleanout Valve described below are also included.

70SFP: SELF-PRIMING FILL & CLEANOUT PUMP

The Self Priming Fill & Cleanout Pump (70SFP) is a 70 Gallon per Minute, centrifugal pump with a cast iron housing and 1/2 HP motor. Inlet and Outlet ports are 2" NPT. When ordered with a Water Eater, the 70SFP is mounted on the unit and wired into the control box. It can be activated by either a momentary toggle switch located on the control box or, if ordered, the Auto Fill System (AFS). The 70SFP comes with a 3 way 2" Discharge Ball Valve which can be used in conjunction with the 20SDH Hose Assembly for cleaning out concentrated liquid waste from the Water Eater.

20SDH: SUCTION/DISCHARGE HOSE ASSEMBLY

The 20 SDH Hose Assembly can be used in conjunction with the 70 SFP for filling the Water Eater or discharging concentrated liquid waste from the Water Eater. The hose assembly is 20' x 1 1/4" and comes with an adapter bushing for connection to pump, quick disconnect cam and groove couplings, and an acetal/stainless steel foot valve with strainer. Extension hoses are also available