

# TASK MASTER™

## 2 & 2 ½ INCH COMMERCIAL INDUSTRIAL WATER SOFTENER VALVE SIDE MOUNTED IN WATER KING HF SERIES SOFTENERS AND FILTERS



- The Task Master™ is a brass, 2-inch, five cycle, water softener control valve.
- There is only one moving part – the plunger.
- The valve body is all brass and the plunger is stainless steel with Buna-N seals and Noryl® inserts. All plumbing is made up to the tank adaptor.
- All piping attaches to the tank adaptor for the valve. The valve can be removed, rebuilt or

replaced and returned to service without disturbing the piping.

- The housing for the brine eductor is cast into the valve body making it an integral part of the valve. Larger sizes require an external brine eductor.
- The plunger is motor driven and is not dependent on water pressure. It shifts smoothly without water hammer. The drive assembly positions the plunger for each of the five cycles.
- The valve design assures synchronization of the drive assembly with the timer making certain the plunger is correctly positioned for each of the five cycles of softening.
- The valve design allows up to 150 gpm of raw water by-pass during regeneration.
- The electrical enclosure carries a NEMA 3 rating providing rainproof protection for electrical components.
- The valve includes "Service" and "Regeneration" indicator lights.
- Since brining and process control often must be coordinated with the regeneration cycles of a softener, the valve is designed to provide an on/off signal and dry contacts for external electrical functions. Standard models include a 12-day timer.

**Designed to operate water softeners up to 72-inches in diameter.**

## CAT320.2

VALVE MODEL	PART NO.
<b>HF SIDE MOUNT VALVES</b>	
HF-150-2" & HF-180-2"	807144
HF-200-2", HF-225-2", & HF-240-2"	807145
HF-300-2" & HF-450-2"	807146
HF-600-2"	807147
HF-750-2"	807148
HF-900-2"	807149
HF-1200-2" through HF-3000-2"	807137
HF-2100S-4F	902006-T
HF-2100S-4F	902006-11
HF-2100S-4F	902006-11A
HF-2550S-4F	902009
HF-2550S-4F	902009-T
HF-2550S-4F	902009-11
HF-2550S-4F	902009-11A
HF-3000S-4F	902011
HF-3000S-4F	902011-T
HF-3000S-4F	902011-11
HF-3000S-4F	902011-11A
<b>HF FILTER VALVES</b>	
FHF 300-2-T and 2-C	807330
FHF 300-2-S and 2-I	807335
FHF 600-T, 2-C, 2-S, and 2-I	807334
FHF 900-2-T and 2-C	807337
FHF 900-2-S and 2-I	807308
<b>HF MM FILTER VALVES</b>	
FHF 240-2-MM	940057-3-3
FHF 300-2-MM	940058-3-3
FHF 600-2-MM	940059-3-3
FHF 900-2-MM	940060-3-3
FHF 1200-2-MM	940061-3-3
FHF 1650-2-MM	940062-3-3
FHF 2100-2-MM	940063-3-3
FHF 2550-2-MM	940064-3-3
FHF 3000-2-MM	940065-3-3

## SPECIFICATIONS

### Control Valve

- The main control valve(s) shall be the Task Master™ controlled by a time clock to actuate the cycles of backwash, brine, slow rinse, fast rinse, and service. The control valve(s) shall be 100 psi, multi-port control valve(s) with machined brass body, stainless steel piston assembly, Noryl® inserts, Buna-N seals, service and regeneration lights, drive motor assembly, and NEMA 3 enclosure (120VAC/60Hz/3Amps).
- The valve shall operate with a single motor driven, cam positioned piston. Maximum operating pressure of the valve shall be 100 psi. The valve shall be of a single piston design and not use multiple plungers or diaphragm valves.
- Each control valve shall be equipped with "Service" and "Regeneration" indicator lights. The valve shall be equipped with threaded ¼" FNPT ports for the installation of sample taps and pressure gauges. (Taps and gauges are optional.)
- Hard water by-pass shall be available during all regeneration cycles at 70 gpm or at the peak flow rate of the unit, at a pressure drop less than 25 psi, whichever is less.
- The valve shall be mounted to the piping using a tank adaptor and shall be removable without disturbing the installed piping.