

## Maintenance of Model

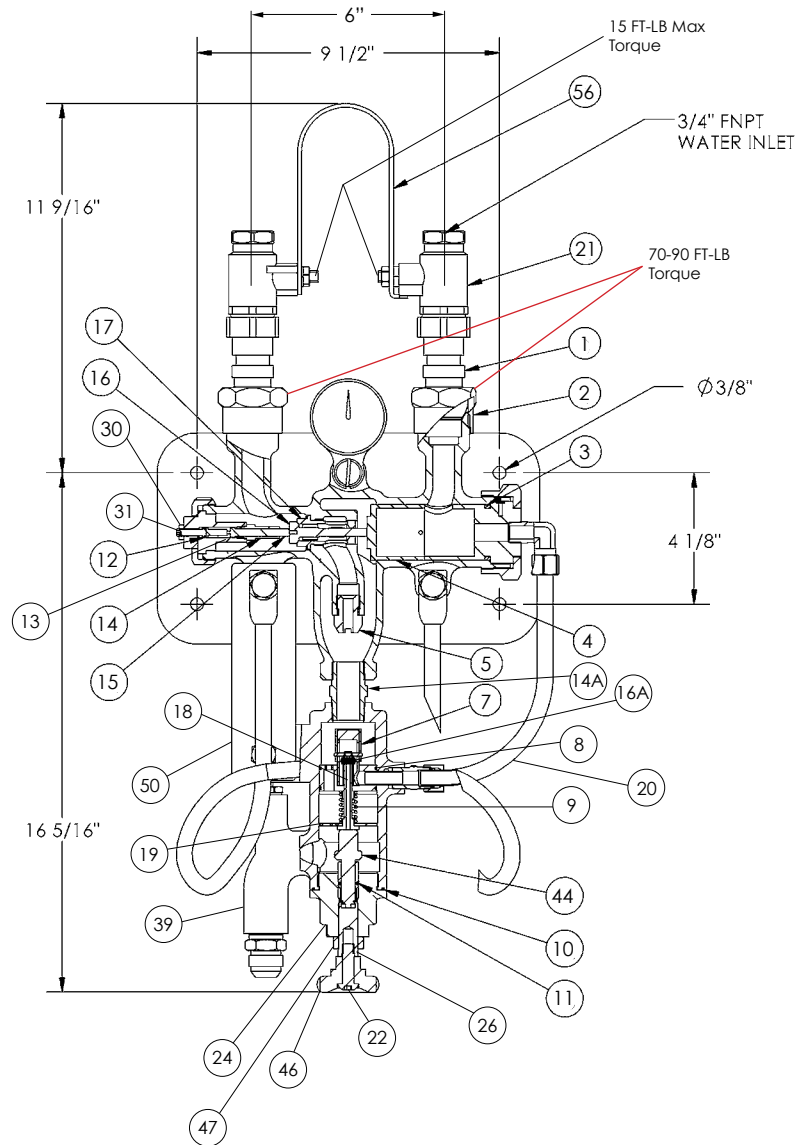
# M-5000TS

## Strahman Thermostatically Controlled Mixing Unit

### STRAHMAN M-5000TS MIXING UNIT

#### Piping Instructions

- Steam traps and strainers are recommended for safe and reliable operation. Condensate will result in “hammering” noises.
- Before installing the mixer, block out all pipelines to be sure that no dirt, such as pipe chips, wicking or lead can enter the mixing valve. Valve inlets are marked hot and cold. Piping must go to proper inlets. When installing the ball valves, take the isolation handle (56) off and thread the ball valves (21) evenly onto the pipes.
- When reinstalling the isolation handle (56), do not use the lock nuts to spread the “U.” After the handle is on the valve stems, spread the “U” by hand so the handle rests on the bases of both valve stems.
- When tightening the check valve nut (1), the flats on the check valve seats must remain perpendicular to the wall. Hold the seat in place with a wrench while tightening the check valve nut.



#### IMPORTANT: Temperature Adjustment

- Open inlet valves by moving lever to the horizontal position (56).
- If the unit does not leak, loosen the jam nut (30) on the poppet stop assembly and turn the poppet stop (31) clockwise until it stops using a 1/8" hex key and then turn the poppet stop screw three-quarters of a turn counter-clockwise and tighten the lock nut.
- Operate spray nozzle to get a solid stream spray.
- Loosen the lock nut (47) on the temperature control valve and adjust the discharge to the desired temperature. Turning the knob (46) clockwise lowers the temperature and turning it counter-clockwise raises the temperature.
- Once the desired temperature is set, tighten the temperature control lock nut (47). If the unit still exhibits signs of “hammering,” turn the poppet stop (31) in quarter-turn increments until the operation is smooth, tighten the limit poppet jam nut (30). This screw can also be used to increase or decrease the temperature range of the unit. Clockwise decreases, counter-clockwise increases the temperature. Tighten the nut (30) when adjustment is completed.

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PARTS			
PART NO.	PART	MATERIAL	QUANTITY
1	BALL CHECK VALVE ASSY.	BRASS/SST	2
2	BALL CHECK GASKET	COPPER	2
3	O-RING WATER CHAMBER HOUSING	EPDM	1
4	WATER CHAMBER	SST	1
5	STEAM JET	SST	1
7*	ACTUATOR SLEEVE	SST	1
8	O-RING BLENDING CHAMBER	EPDM	1
9*	SPRING	SST	2
10*	O-RING THERMOSTAT HOUSING	EPDM	1
11*	O-RING STEAM ADJUSTER	EPDM	1
12	O-RING POPPET STOP	EPDM	1
13	POPPET SPRING	SST	1
14	GUIDE EXTENSION	SST	1
14A	3/4" HEX NIPPLE	BRASS	1
15	PUSHER	SST	1
16	POPPET	SST	1
16A*	ACTUATOR PIN	SST	1
17	SEAT	SST	1
18*	STEAM INJECTOR	SST	1

PARTS			
PART NO.	PART	MATERIAL	QUANTITY
19*	DIFFUSER SCREEN	SST	1
	POPPET SEAT TOOL	SST	1
	POPPET TOOL	SST	1
20	TUBE ASSEMBLY	COPPER	1
21	BALL VALVE	BRONZE/SST	2
22*	HANDLE SCREW	STEEL	1
24	THERMOSTAT HOUSING	BRASS	1
26*	THERMOSTAT ADJUSTER	SST	1
30	JAM NUT	SST	1
31	POPPET STOP	SST	1
39	TS BODY	BRONZE	1
44*	THERMOSTAT	BRASS	1
46*	CONTROL KNOB	PLASTIC	1
47*	CONTROL KNOB LOCK NUT	SST	1
50	SUPPORT PLATE	SST	1
56	UNILEVER	SST	1
	*M-5000TS Service Kit Includes parts 7, 9, 10, 11, 16A, 18, 19, 22, 26, 44, 46, 47		

MP-88 Mounting Plate shown in drawing is **not standard** with the M-5000TS unit.  
The MP-88 must be ordered separately.

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