



M-5000TS SERIES

Thermostatically Controlled Steam/ Cold Water Washdown Station

The M-5000TS is a high-performance mixing unit that instantly produces hot water by combining steam and cold water. Designed for efficiency and reliability, the unit ensures a steady and controlled hot water output up to 200°F (93°C), thanks to its robust construction and precision thermostatic control.

KEY FEATURES

Efficient Temperature Control

- Liquid-filled, solid-state thermostat enables accurate temperature regulation.
- Adjustable output temperature up to 200°F (93°C).
- Thermostatic actuator provides linear expansion and exerts consistent force on the valve piston for precise performance.

Durable Construction

- Rugged bronze body with corrosion-resistant internal components consisting of bronze, brass and stainless steel.
- Stainless steel piston and liner for long-term durability and friction-free operation.
- Replaceable parts make maintenance and servicing straightforward.

Built-in Safety Mechanisms

- Integral thermostatic shut-off valve prevents overheating.
- Highly sensitive actuator responds quickly to variations in temperature and pressure.



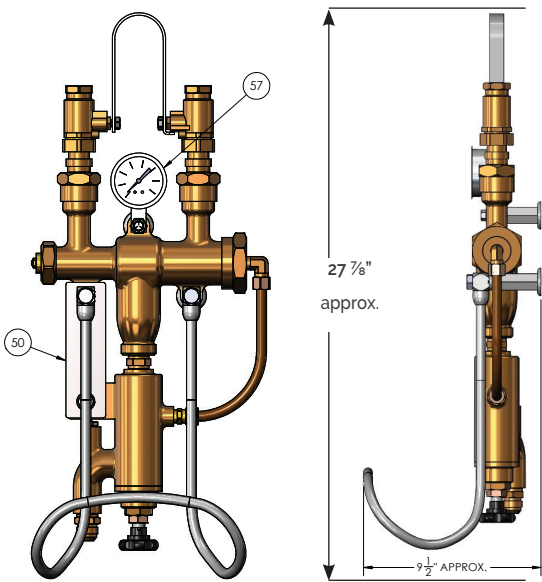
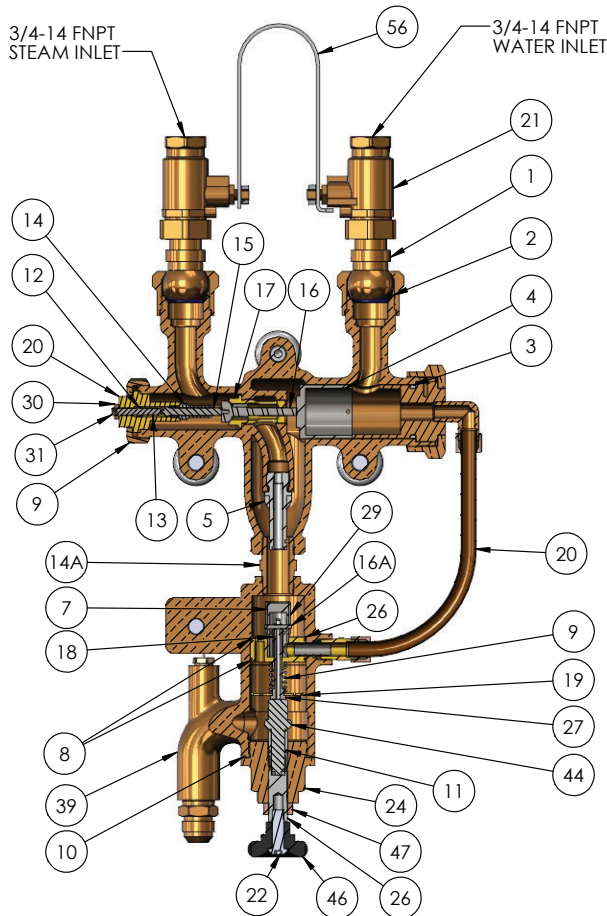
SPECIFICATIONS

Minimum Working Pressure	80 psi (Steam) - 50 psi (Cold Water)
Maximum Working Pressure	150 psi (Steam) - 80 psi (Cold Water)
Minimum Discharge Temperature	100°F (38°C)
Maximum Water Temperature	200° F (93° C)

ORDERING INFORMATION & PARTS

UNIT INCLUDES A STAINLESS STEEL HOSE RACK. HOSE AND SPRAY NOZZLE SOLD SEPARATELY.

REFER TO THE PARTS LIST FOR MATERIALS AND REPLACEMENT OPTIONS. ALL PARTS ARE BUILT TO LAST, USING ASTM-RATED STAINLESS STEEL, BRASS, AND BRONZE COMPONENTS.



REPLACEMENT PARTS LIST

PART NO.	PRODUCT CODE	DESCRIPTION	MATERIAL	QTY
1	BCBRG	BALL CHECK VALVE ASSY (INCLUDES ITEM 2)	BRASS/SST	2
2	BCGAC	BALL CHECK GASKET	COPPER	2
3	ORNG222HB	O-RING WATER CHAMBER HOUSING (SET OF 6)	EPDM	1
4	WCHM5000TS	WATER CHAMBER	SST	1
5	SJET	STEAM JET	SST	1
7	*	ACTUATOR SLEEVE	SST	1
8	ORNG030EA	O-RING FOR BLENDING CHAMBER	EPDM	1
9	*	SPRING THERMOSTAT	SST	2
10	*	O-RING THERMOSTAT HOUSING	EPDM	1
11	*	O-RING STEAM ADJUSTER	EPDM	1
12	ORNG008IB	O-RING POPPET STOP (SET OF 6)	EPDM	1
13	SPRGM5000TS	POPPET SPRING (SET OF 6)	SST	1
14	M500PGEX	GUIDE EXTENSION	SST	1
14A	MU5TSNIPP0000	3/4" HEX NIPPLE	BRASS	1
15	M5TSPUSHB	PUSHER	SST	1
16	MU500POPTCOMPLETE0001	STEAM POPPET (M)	SST	1
16A	*	ACTUATOR PIN	SST	1
17	PSEATBR	POPPET SEAT	BRONZE	1
18	M5TSSINJ	STEAM INJECTOR	SST	1
19	*	DIFFUSER SCREEN	SST	1
20	M500TSTUBEASSY0000	TUBE ASSEMBLY	COPPER	1
21	BV0075BBLUE	BALL VALVE	BRONZE/SST	2
22	*	HANDLE SCREW	SST	1
24	M5TSHOUSB	THERMOSTAT HOUSING	BRASS	1
26	*	THERMOSTAT ADJUSTER	SST	1
30	JN00252802	JAM NUT (SET OF 6)	SST	1
31		POPPET STOP	SST	1
1	M5TSBDFB	TS BODY	BRONZE	1
44	*	THERMOSTAT	BRASS	1
46	*	CONTROL KNOB	PLASTIC	1
47	*	CONTROL KNOB LOCK NUT	SST	1
50	M5TSPLATE	SUPPORT PLATE	SST	1
56	BVHANDUNI	UNILEVER	SST	1
57	**TGGF02	TEMPERATURE GAUGE		
	PSTOOL	POPPET SEAT TOOL	SST	
	PTOOL	POPPET TOOL	SST	
7, 9, 10, 11, 16A, 19, 22, 26, 44, 46, 47	*MU5TSSERVKIT0000	M-5000TS SERVICE KIT (PARTS NOT SOLD SEPARATELY)		

INSTALLATION & OPERATION NOTES

- STEAM PRESSURE MUST BE AVAILABLE AT THE INSTALLATION SITE TO ENSURE PROPER UNIT OPERATION.
- ADJUST THE STEAM VALVE IF WATER OVERHEATING OCCURS DUE TO LINE RESTRICTIONS OR PRESSURE FLUCTUATIONS.

**Temperature Gauge: 100-250°F (40-120°C)

SAFETY RECOMMENDATIONS- IMPORTANT GUIDELINES

- ALWAYS USE A STRAINER AND STEAM TRAP WITH ALL STEAM MIXING UNITS TO PROTECT THE SYSTEM FROM FOREIGN DEPOSITS THAT CAN COMPROMISE THE BALL CHECK VALVES.
- ENSURE PROPER TREATMENT OF STEAM AND WATER SUPPLIES TO MAINTAIN SYSTEM PERFORMANCE AND LONGEVITY.
- SHUT OFF THE UNIT WHEN NOT IN USE FOR EXTENDED PERIODS.
- DO NOT MODIFY THE MIXING UNIT OR TAMPER WITH BUILT-IN SAFETY FEATURES.