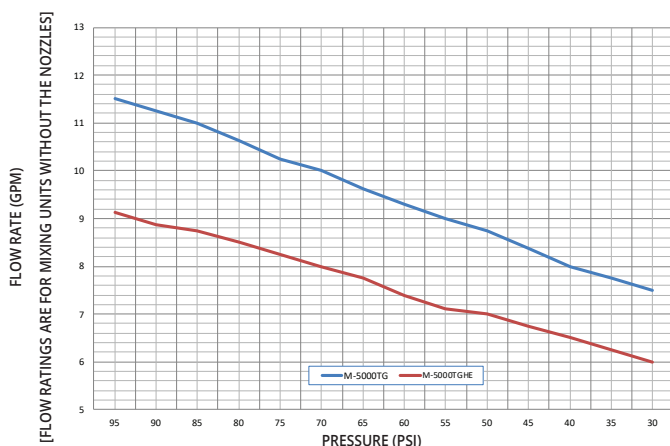


# M-5144TG HE

## High Efficiency Steam & Cold Water Mixing Station

Recover expensive water, sewage and energy utility costs by improving efficiency and reducing water usage—benefit from a savings up to 20%.

M-5144TG HE is a high efficiency unit redesigned and replicated from the standard M-5000TG. This is a low pressure steam and cold water mixing station ideal for industrial wash down where varying water pressures throughout a plant exist and a greater range of adjustable pressure is desired or where use of a low flow nozzle is the preferred choice. The M-5144TG HE is highly efficient and adaptable when used in combination with our low flow water saving nozzles such as the M-70/S-70 series or our Hydro-Pro150® spray nozzle.



	REQUIRED STEAM PRESSURE	REQUIRED WATER PRESSURE	GPM
M-5144TG HE	40-150 LBS	40-80 LBS	3 1/4 - 6

Hot water is produced instantly from a steady supply of steam and cold water. Mixing station is equipped with a dial-type gauge that indicates the wash water's exact temperature in both Celsius and Fahrenheit. Users can easily regulate water temperature by turning the steam and cold water valves plus a specially designed chamber blends the water thoroughly. As an added safety measure, the mixing station shuts-off its steam source automatically if the cold water supply falls below 20 psi for any reason. This prevents hazardous steam from exiting the unit and causing steam burns.

M-5144TG HE unit is bronze and is wall mounted with globe top valve entry, equipped with a stainless steel hose rack and our patent pending Direct Diffuse® Steam Trap. Hose and spray nozzle are sold separately.

Unit is sold with our Direct Diffuse® Steam Traps that quickly and efficiently discharges condensate in your steam line.



Direct Diffuse® Steam Trap shown here is installed vertically, and can also be installed horizontally; in both cases, the thermodynamic trap (THT) must be level in the horizontal plane.

*Note:*  
Steam pressure is required at installation site to ensure proper operation of mixing unit.

M-5144TG HE  
BRONZE

Maximum water temperature: 200°F (93°C)  
Maximum working pressure: 150PSI



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Total Spraying Solutions

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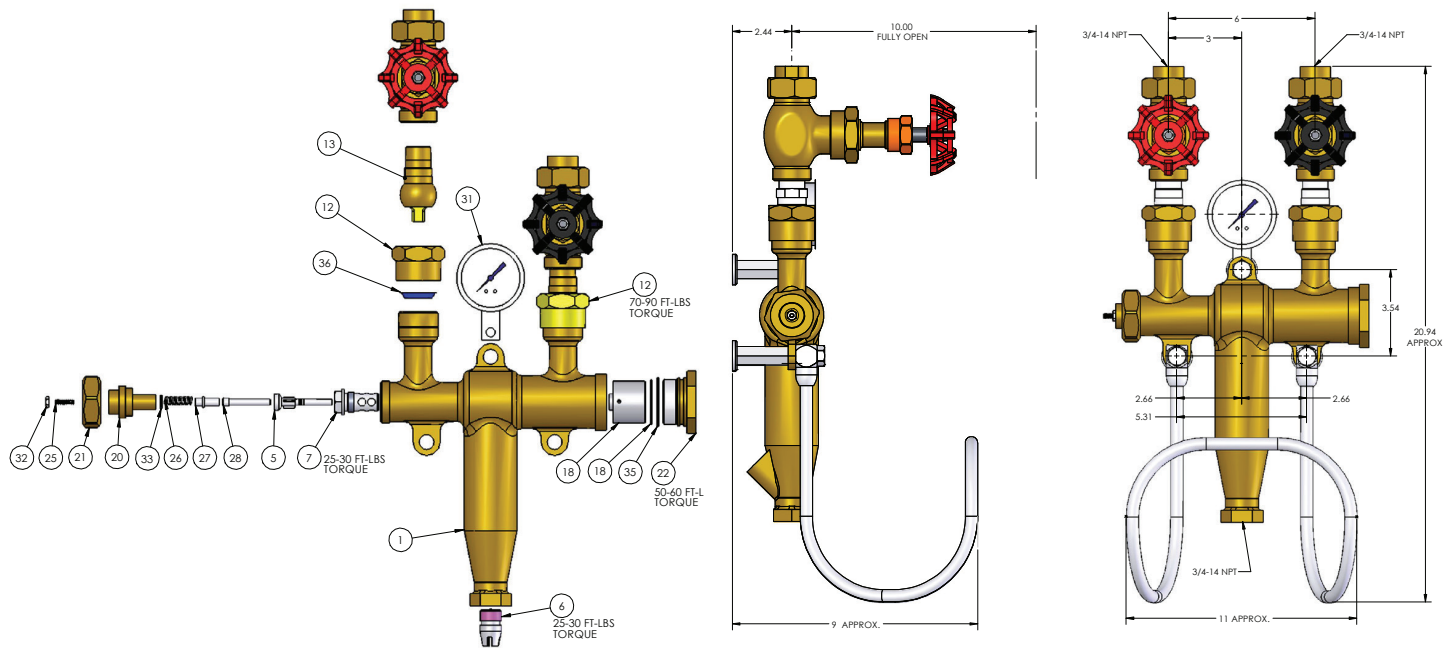
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# M-5144TG HE (HIGH EFFICIENCY)



**NOTE:** A strainer and steam trap is recommended to be used in conjunction with all our steam mixing units. Foreign deposits in supply lines can effect ball check durability. Proper steam and water treatment is recommended to ensure proper performance and durability. Unit should be shut-off when not in use for extended periods of time.

ITEM NO.	PART	ORDER NO. (MATERIAL)	ITEM NO.	PART	ORDER NO. (MATERIAL)
1	LOW FLOW MAIN BODY (INCLUDES ITEMS 6 AND 7)	M514BDMBR (ASTM CA836)	19	WATER CHAMBER HOUSING (INCLUDES ITEM 35)	WCHHOUSASSYBR (BRASS B16, C36000)
2	HOSE RACK CAP SCREW (NOT SHOWN) (SET OF 6)	HH0050130200OZ (SST304, ASTM A276)	20	POPPET GUIDE	M5TSPGUIB (BRASS B16, C36000)
3	HOSE RACK LOCK WASHER (NOT SHOWN) (SET OF 6)	WAT0050 (SST410)	21	POPPET GUIDE NUT	M500PNUTBR (BRASS B283, CA37700)
4	HOSE RACK CONNECTOR (NOT SHOWN)	HRCONBR (SST304)	22	LOW FLOW BODY NUT	M500LFBNUTBR (BRASS B283, CA37700)
5	STEAM POPPET	POPPETM (SST303, ASTM A743)	25	SET SCREW (SET OF 6)	SHN8320031OZ (SST304, ASTM A276)
6	STEAM JET	SJET (SST416, ASTM A582)	26	POPPET SPRING (SET OF 6)	SPRGM5000 (SST302, ASTM A240)
7	POPPET SEAT	PSEATBR (BRASS ASTM C46400)	27	GUIDE EXTENSION	M500PGEX (SST416, ASTM A 582)
8	HOSE RACK (NOT SHOWN) W/FITTINGS	HRCOMPLETE0000 (SST304, ASTM A276)	28	PUSHER	M5TSPUSHB (SST303, ASTM A582)
10	HEX SPACER (NOT SHOWN)	MUSPAC (SST416, ASTM A582)	31**	TEMP GAUGE	TGGF02 (BRASS B283, CA37700)
11	WALL PLATE (NOT SHOWN) (OPTIONAL)	MUWPLTBR (BRASS B16, CA360)	32	JAM NUT (SET OF 6)	JN002528OZ (SST18-8)
12	BALL CHECK UNION NUT	BCNUTBR (BRASS ASTM B16 C36000)	33	O RING POPPET STOP	ORNG0081B (EPDM)
13	BALL CHECK VALVES (INCLUDES ITEM 36) COMPLETE	BCBRG (BRASS ASTM B16, C36000, SST303, ASTM A582)	35	LOW FLOW "O" SEALING RING FOR WATER CHAMBER HOUSING (SET OF 6)	M5000LFORNG (EPFM)
15	LOW FLOW RETAINING RING	M5000LFRETRNG (SST303, ASTM A582)	36	BALL CHECK GASKET	BCGAC (COPPER)
18	LOW FLOW WATER CHAMBER	WCHM5000LF (SST303, ASTM A582)			

\*TEMPERATURE GAUGE: 100-250°F (40-120°C)



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