



HOW TO USE A LASER TRAP TESTER

A steam trap's job is to trap the steam and push out water and air that has been collecting in the steam line and push it into the return line. The inlet side of a steam trap will take in steam and condensate. The outlet side should just contain condensate. There is a pressure drop as well as a corresponding temperature drop from the inlet to the outlet, if all is working as it should.

Run the laser about a foot in front of the trap. Take the temperature reading a foot behind the trap. If the temperature is the same, then you have a trap that is blowing by steam. If there is a significant drop in temperature, the trap could be clogged.

GAUGE PRESSURE	STEAM TEMPERATURE °F	GAUGE PRESSURE AFTER TRAP	TEMPERATURE °F AFTER TRAP
1 to 4	215 to 224	0 to 2	212 to 219
5 to 9	227 to 237	2 to 4	219 to 224
10	239	5	227
15	250	7	232
20	259	10	239
25	267	12	244
30	274	15	250
35	281	17	253
40	287	20	259
45	292	22	262
50	298	25	267
60	307	30	274
70	316	35	281
80	324	40	287
90	331	45	292
100	338	50	298
125	353	62	309
150	366	75	320
200	388	100	338
250	406	125	353