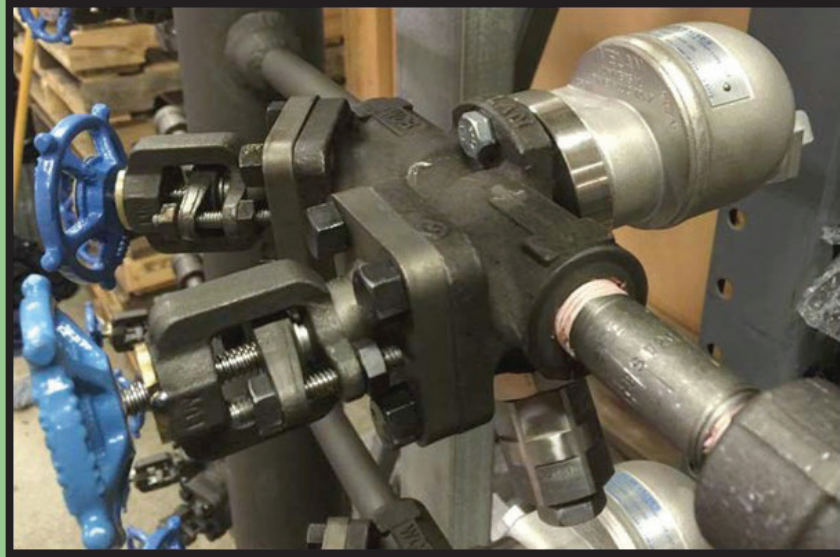
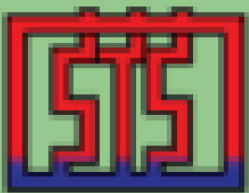


VALVE TRAP CHANGING STATION



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The trap connector station, as seen in the picture above, has two isolation valves, a blowdown valve with strainer and a test valve. This eliminates eight potential leak points while reducing time locating a tracer's root valve for isolation. The valve station is designed to be used with all universal connector steam traps. New trap replacement takes about 10 minutes.



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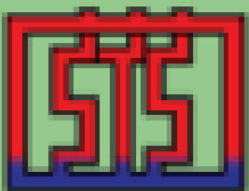
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VALVE TRAP CHANGING STATION



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The upstream isolation valve allows for tracing circuit isolation at the steam trap. This provides a lower risk of exposure increasing safety to personnel by eliminating the need to access the steam root valve. Steam root valves are commonly located in pipe racks above ground level.



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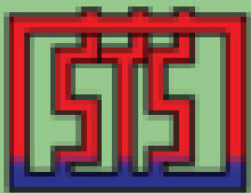
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VALVE TRAP CHANGING STATION



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The downstream isolation valve allows isolation from the condensate return pressure at the trap location.



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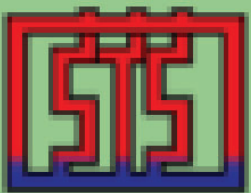
VALVE TRAP CHANGING STATION

The strainer and its blowdown valve protect the universal steam trap from system debris. There is no need to close either isolation valve to blowdown the strainer.



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The strainer and its blowdown valve are also used for safe depressurization and will be discussed in detail on the following pages.



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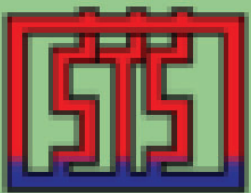
VALVE TRAP CHANGING STATION

The test valve allows for visual inspection of the universal steam trap's condition. The downstream isolation valve must be in the closed position while checking the steam trap's condition. This will isolate the condensate pressure and not skew the test result due to other traps discharging into the same condensate return system.



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This test valve is also used for safe depressurization and will be discussed in detail on the following slide.



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VALVE TRAP CHANGING STATION

Trap connector stations allow for changing of the universal steam trap without locating and isolating the root valves.

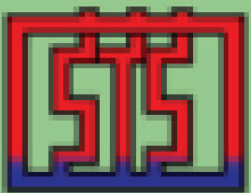


To change the universal steam trap, close both upstream and downstream isolation valves. Then open the strainer and test valve ports to depressurize the

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valve station. Now you're ready to safely change the trap which takes about 10 minutes.

Using valve stations saves maintenance labor time and increases safety by eliminating the need to isolate root valves commonly located in the pipe racks above.



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