



MILLER-LEAMAN
INCORPORATED

THOMPSON STRAINER
SPECIFICATION

Supplier shall provide ____ stainless steel strainer(s) with XX NPT or flanged inlet/outlet connections (model # MLS-XX). Strainer shall be designed for a maximum flow of XXXX GPM, with a maximum pressure loss at maximum flow of 1-PSI (when clean).

Strainer shall be provided with a _____ mesh screen element, conical in shape, and vertical in orientation. The strainer screen shall have XXXX square inches of screen surface area. Construction of the strainer housing, pipe, flanges, nipples, and conical screen frame shall be of Type 304 stainless steel. The mesh material spot-welded into the conical screen frame shall be Type 316 stainless steel. The strainer shall be provided with a PVC internal elbow and riser pipe assembly which directs the incoming water flow.

As water enters the strainer housing and flows upward, heavier particles gravitate downward, into the reservoir at the base of the strainer housing. The particles are then flushed from the reservoir via the 1 1/2" flush port. The flushing is initiated by installing a manual flush valve on the flush port (not included with strainer) or an optional Automatic Timer Flush Package (ATF-EA-1.5).

Strainer shall be provided with (2) 1/4" gauge ports welded to the outside of the strainer housing on the inlet and outlet side of the conical screen (pressure gauges not included). Pressure gauges are to be installed in the gauge ports to monitor the differential-pressure across the screen. A Pressure Differential Alarm Package (PDA) is optional.

Strainer housing shall be rated at a maximum pressure of 150-PSI bolt Lid / 125-PSI Clamp Lid. The *Thompson Strainer* shall be manufactured by Miller-Leaman, Inc. located in Daytona Beach, Florida.