

# Strainer Checklist

For your convenience, we list below some of the more common factors to take into account when selecting a strainer or filter.

Fluid to be strained \_\_\_\_\_ Flow rate in GPM, \_\_\_\_\_

Working pressure in psi \_\_\_\_\_ Maximum pressure in psi \_\_\_\_\_

Working temperature \_\_\_\_\_ Maximum temperature \_\_\_\_\_

pH of fluid (Acid or Alkaline) \_\_\_\_\_

Strainer body material preferred \_\_\_\_\_

Strainer type: "Y" type; Basket; Duplex; Self-cleaning \_\_\_\_\_

Present pipeline size \_\_\_\_\_ Pipe material \_\_\_\_\_

Nature of solids to be strained out \_\_\_\_\_

Size of solids to be strained out \_\_\_\_\_ Size mesh required \_\_\_\_\_

Limitation on clearance in proposed strainer location: Above \_\_\_\_\_ Below \_\_\_\_\_

Maximum pressure drop that can be tolerated, with dirty screen \_\_\_\_\_ psid \_\_\_\_\_

Expected cleaning frequency: Daily; Weekly; Monthly; Other \_\_\_\_\_

**OTHER ITEMS THAT MAY BE OF BENEFIT TO THE APPLICATION**

Pressure gauges to show when clean-out is required \_\_\_\_\_

Isolating valves to facilitate strainer clean-out \_\_\_\_\_

Manual or automatic blow-down valve \_\_\_\_\_

Other comments \_\_\_\_\_

Most pump, nozzle, valve and instrument specifications will give maximum size of solids that can be passed. See screen mesh opening table on right to select appropriate screen. Screen opening should be approximately 1/3 to 1/2 the size of maximum allowable solids size.

Mesh	Thousandths*	Microns	Mesh	Thousandths*	Microns
16	0.045"	1143	60	0.010"	254
20	0.032"	813	80	0.008"	203
30	0.021"	533	100	0.005"	127
40	0.016"	406	200	0.003"	76

\*use numbers after decimal point for strainer part number suffix

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