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*

Sure Flow Equipment Inc.

P.O. Box 321, Tonawanda, New York 14151-0321 • U.S.A.: 1-800-263-8251
Fax: 1-800-876-1164 • Tel: 905-335-1350 • Fax: 905-332-4993
Email: info@sureflowequipment.com • www.sureflowequipment.com