

Strainer / Pre-Filtration

Filtration World

Application Data Sheet — Simplex & Duplex Basket Strainers, Y-Strainers, T-Strainers filtrationworld.com | sales@filtrationworld.com
802-255-4003

CONTACT & PROJECT INFORMATION

Title / Application Name: _____ Date: _____ Tag #: _____
Company: _____ Phone: _____ Email: _____
Address: _____ City: _____ State: _____ Zip: _____ Country: _____

FLUID / MEDIA DATA

Fluid / Media Being Strained: _____ Clean or Dirty Service?: _____
Specific Gravity: _____ Viscosity (cP): _____ Operating Temp — Normal (°F): _____ Operating Temp — Max (°F): _____
Solids Description (rust, scale, sand, fiber...): _____ Largest Particle / Debris Size (in or mm): _____
Corrosive Fluid? (Y/N): _____ Abrasive Solids? (Y/N): _____ Hazardous / Flammable? (Y/N): _____

PROCESS / FLOW CONDITIONS

Flow Rate — Normal (GPM): _____ Flow Rate — Max (GPM): _____ Inlet Pressure (PSIG): _____ Max Allowable ΔP Clean (PSID): _____
Max Allowable ΔP Dirty (PSID): _____ Velocity in Pipeline (ft/s if known): _____ Continuous or Batch Flow?: _____

STRAINER TYPE & CONFIGURATION

☐ Y-Strainer ☐ Basket Strainer (Simplex) ☐ Basket Strainer (Duplex) ☐ T-Strainer
☐ Fabricated Cone Strainer ☐ Automatic Self-Cleaning ☐ Temporary Startup Strainer ☐ Other
Pipeline Size (inches): _____ End Connections (NPT/SW/BW/Flanged): _____ Flange Rating (if applicable): _____ Face-to-Face Dimension: _____
Body / Screen Material: _____ Seal / Gasket Material: _____ Pressure Class / Rating (ANSI 150/300/600): _____

BASKET / SCREEN SPECIFICATIONS

Mesh Size (Mesh # or Opening in mm): _____ Screen / Perforated Plate Thickness: _____ Open Area % Required: _____
☐ Perforated Plate ☐ Wire Mesh (Single) ☐ Wire Mesh (Double) ☐ Wedge Wire
☐ Sintered Metal ☐ Other

CLEANING / BLOWDOWN / MAINTENANCE

☐ Manual Blowdown Valve ☐ Automatic Timed Purge ☐ DP-Initiated Blowdown ☐ Drain to Sump
☐ Closed-Loop Drain (Hazmat) ☐ Duplex Switchover (No-Flow-Interruption) ☐ Other
Blowdown Valve Size / Type: _____ Clean-in-Place (CIP) Required? (Y/N): _____ Drain Line Back-Pressure (PSIG): _____

INDICATORS & OPTIONS

DP Indicator / Gauge Required? (Y/N): _____ DP Switch / Alarm Set Point (PSID): _____ Sample Ports Required? (Y/N): _____
Insulation / Heat Trace? (Y/N): _____ Existing Strainer Brand / Part # (if any): _____ Qty Required: _____

NOTES / ADDITIONAL REQUIREMENTS

SYSTEM / INSTALLATION SKETCH

Sketch inlet/outlet piping, vessel orientation, and key dimensions here