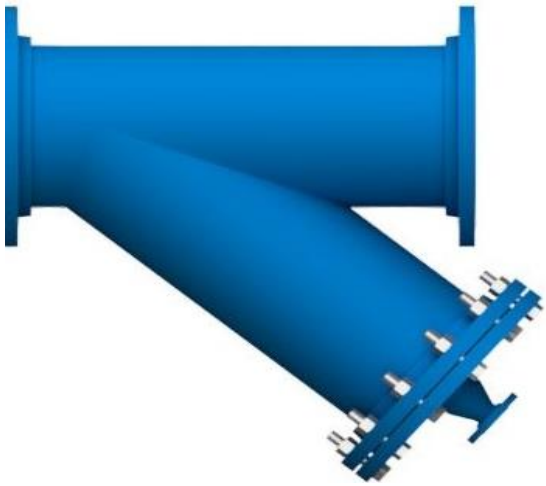
Triton™ Y Style Fabricated Strainer

Feature Benefits

Optimized Energy Performance



Applications

- District Cooling
- Power Generation
- Oil & Gas / Refining
- Water / Wastewater
- Chemical Processing

Benefits

- Industry's Lowest Pressure Drop
- Energy Efficient Pump Performance
- Reduce Carbon Emissions & Footprint
- Longer Operation Between Cleanings
- Increased Equipment Lifetime

Design Features

- Streamlined Flow Path
- Largest Screen Area in the Industry
- Designed to ASME B31.1, ASME B31.3, or ASME Sec VIII
- All welders qualified to ASME Sec IX
- Custom Designs, Dimensions & Materials Available
- QuikClean™ Service Port
- Internally & Externally Heat-Fused Epoxy Coated for Advanced Corrosion Protection

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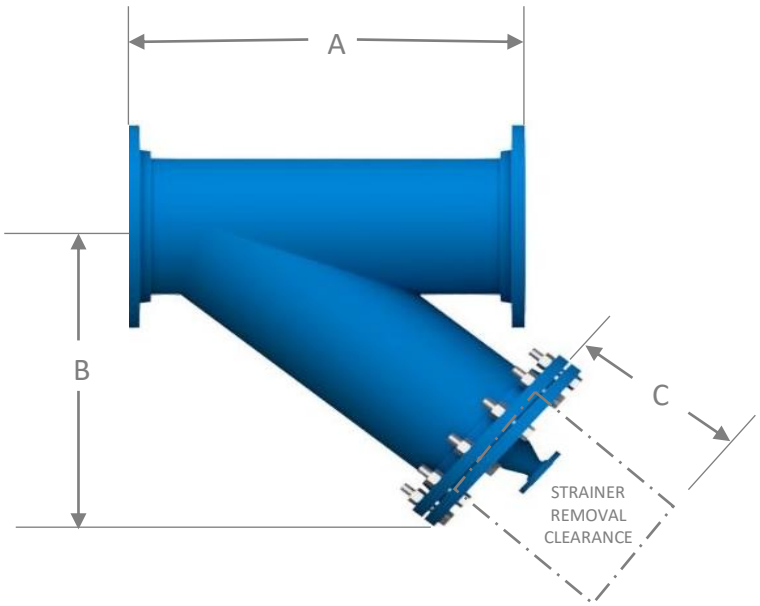
Mechanical Specifications



COMPONENT LIST & STANDARD MATERIALS[1]		
PART	CARBON STEEL	STAINLESS STEEL
Shell & Nozzles	A53 Gr B	A312
Flanges	A105	A182
Coupling	A105	A182
Screen[5]	SS304 Perforated Stainless Steel	SS304 Perforated Stainless Steel
Gasket[5]	SBR Rubber	SBR Rubber
Studs	A193-B7	A193-B8
Nuts	A194-2H	A194-8

Size [in]	A [in]	B [in]	C [in]	Empty Weight [lb]	Cover Weight [lb]	Flow Coefficient Cv	Operating Pressures & Temperatures[4] psi @ Temp WOG
6	19.0	16.5	21.0	140	26	710	285 @ 100 °F
8	20.0	20.5	26.0	240	45	1240	285 @ 100 °F
10	27.0	24.0	31.0	370	70	1930	285 @ 100 °F
12	33.0	28.0	36.0	550	110	2830	285 @ 100 °F
14	34.0	30.0	40.0	780	140	3420	200 @ 100 °F
16	39.0	34.0	45.0	980	180	4430	200 @ 100 °F
18	46.0	35.0	48.0	1250	220	5660	150 @ 100 °F
20	46.0	40.0	54.0	1300	285	7050	150 @ 100 °F
24	54.0	45.5	56.0	2000	430	10270	150 @ 100 °F

Notes:

1. Standard dimensions and materials shown. Consult factory for custom dimensions or other material options.
2. Flanged ends shown. Consult factory for end connection options including flanged, grooved end, or butt-weld.
3. Weights indicated are for ASME B16.5 Class 150 Flanges and carbon steel pipe. Weights may vary for other types of flanges or materials.
4. Higher ASME pressure ratings available, larger sizes available.
5. Recommended spare parts.

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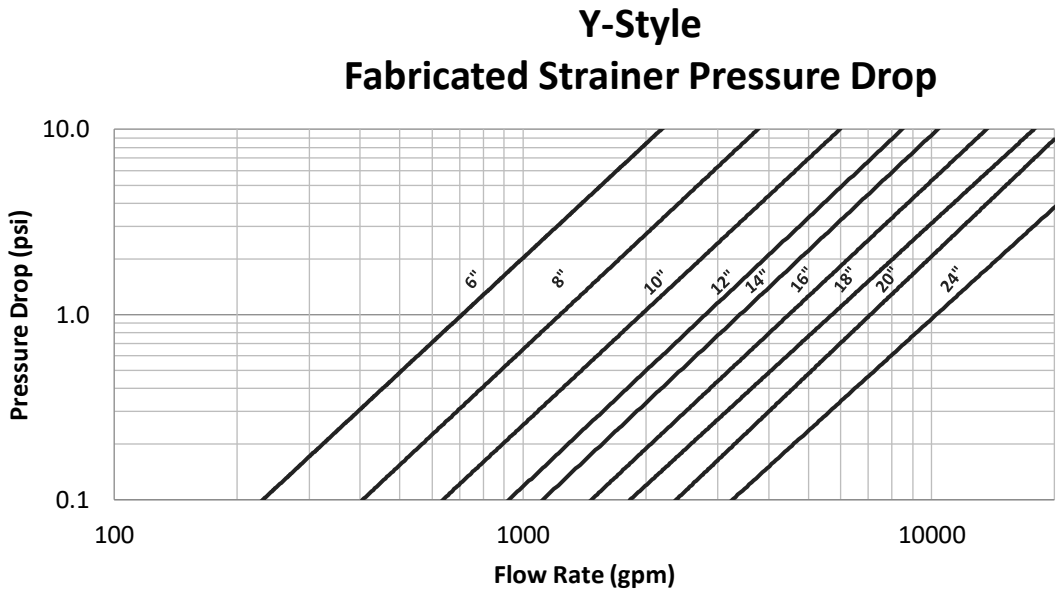
Mechanical Specifications