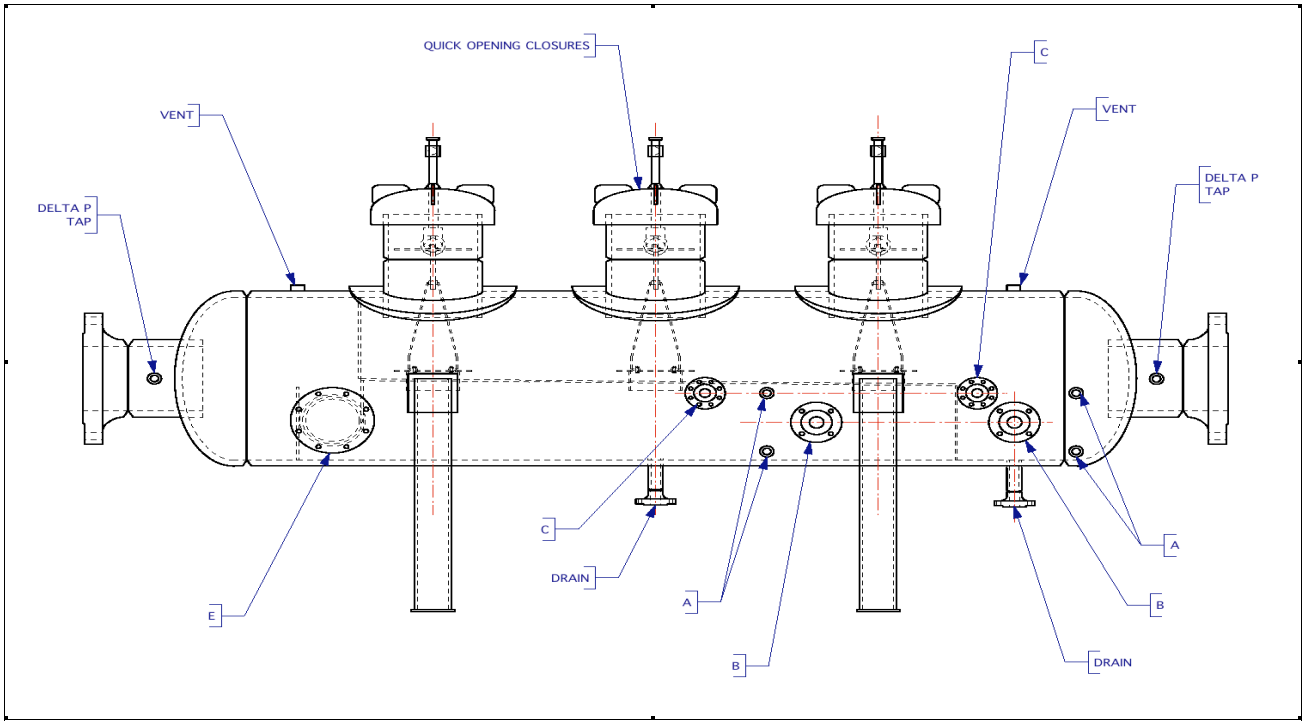
Quotation Worksheet- Filter Vessel-**R100/R101**

Copy, Fill Out, & Fax Back to (585)-624-5300

SparksFilters



- The service space requirements are shown on the sales drawing for your project. Ample space should also be allowed for easy access, disassembly, and inspection of the filter and its components.
- The filter should be mounted in a upright vertical position with the legs on a level foundation. To prevent movement the legs may be bolted or lagged. Small or special design filters may be mounted or supported by other means with the consent of the factory.
- Special care should be taken in the design and installation of the piping to the filter. The piping system should be sufficiently sized to minimize ΔP. Most piping systems are sloped to accessible drain points.
- Instrumentation of some type is common for most filter systems in the form of gauges, sensors and/or switches. The use of instruments can save time and money reducing visual inspections. Typical change out is between 5 & 10 PSI differential.

*All systems should be carefully pressure tested, inspected, and cleaned before being placed in service. Other special process systems are many times required.

ASME U Stamp: _____(Yes/No)
***ASME Code Stamp-** Our companion organization, Rush Certified, Inc. , is fully certified to provide the ASME Boiler & Pressure Vessel Code "U" Stamp as required by most states for unfired pressure vessels exceeding 15 psig. Each vessel is registered with the National Board of Boiler Pressure Vessel Inspectors. Our code stamp allows design service to 3000 psig.

Gas Type: _____Air _____Nat Gas _____Other
Gas Spec. Grav.:_____(if other than air)
Flow:
Normal Flow:..... _____SCF/_____(Min.,Hr., Day)
Maximum Flow:..... _____SCF/_____(Min., Hr., Day)
Connections:
Inlet Size……_____Inch
Inlet Type……_____(Flange & Type, etc)
Outlet Size……_____Inch
Outlet Type……_____(Flange & Type)
Outlet elevation……_____Inches Above Grade
Materials of Construction:
Carbon Steel……_____(Yes/No)
304L……_____(Yes/No)
316L……_____(Yes/No)
other:……_____
Pressure:
Design Pressure……_____PSIG
Operating Pressure……_____PSIG
Flange Rating……_____ANSI
Temperature:
Design Temperature……_____°F
Operating Temperature..._____°F
Other Ports:
Vent Size, inch……_____Type:_____
Drain Size, inch……_____Type:_____
ΔP Caps Size, inch……_____Type:_____
Filter Element:
Retention Needed……_____μ(Micron)

A Sight Glass ……_____(Yes/No)
B Liquid Dump……_____(Yes/No)
C Level/Float……_____(Yes/No)
D Clean Out/Inspect_____(Yes/No)

A superior Finish! We use a high gloss enamel that has exceptional resistance to fungus, salt air, and alkalis. It is twice as costly as lesser paints that are designed instead to hide welding and other fabrication defects. Our standard grey finish is used on all sheet metal filter housings. If you have special requirements for finishing, let us know.

Resistance To:
2 % HCL……No Effect
2 % NaOH……No Effect
5 % Acid……No Effect
Lactic Acid……No Effect
Mineral Oil……No Effect
Salt Spray, 200 hrs. ……No Effect
Flexibility 180°
Mandrel, ¼"……No Cracking
Fungus Resistance per Federal Spec. TTP-18, para.F-3g……No Mildew

Internal Finish: Due to Configuration, Internal is clean water flushed & lightly oiled.

Details & Special Requirements_____
_____
_____

Most jurisdiction (see table) require certain vessels to comply with the ASME Code. It is the responsibility of the end user to verify the requirements within their jurisdiction, and to advise if vessels are to contain lethal substances, i.e. poisonous gases or liquids of such nature that very small amounts could be dangerous to life (mixed or unmixed with air.) ASME Code Section VIII Division 1 covers pressure vessels for containment of internal or external operating pressure of greater than 15 psi max. (no size limitation) or (B) Vessels have an inside diameter of greater than 6 inches, without limitation on length or pressure.

*Only portions of code.

Tabulation of the Boiler & Pressure Vessel Laws of the US & Canada Jurisdiction VIII(1)

AL……Y	MO……Y	WV ……N
AK……N	MT……N	WI……Y
AZ……N	NB……Y	WY……Y
AR……Y	NV……Y	Alb……Y
CA……Y	NH……Y	B.C……Y
CO……Y	NJ……Y	Man……Y
CT……N	NM……N	N.B……Y
DE…… Y	NY……Y	N.F.&L……Y
FL……N	NC……Y	N.W.T……Y
GA……Y	ND……Y	N.S……Y
HI……Y	OH……Y	Ont……Y
ID……Y	OK……Y	PE Is……Y
IL……Y	OR……Y	Que……Y
IN……Y	PA……Y	Sas……Y
IA……Y	PR……Y	Y. Ter……Y
KS……Y	RI……Y	Albuquerque…N
KY……Y	SC……N	Des Moines…..N
LA……N	SD……N	Miami……N
ME……Y	TN……Y	New Orleans…Y
MD……Y	TX……N	Tuscon……Y
MA……Y	UT……Y	University Cty..Y
MI……Y	VT……Y	Dade Co……Y
MN……Y	VA……Y	Jeff Parish……Y
MS……Y	WA……Y	St Louis Co……Y
		Dist of Clmb…..Y