

Filter Design

Separation : Liquid/Solid
Equipment : FILTER

CALCULATION SHEET

Introduction:

Filter design requires some knowledge as well regarding the fluid itself (I.e. corrosion or gasket resistance) as the filter operating conditions (i.e. pressure, temperature).

Information regarding fluid and operating conditions:

Fluid type :
Fluid viscosity (cst) :
pH of fluid :
Is the fluid flammable? :
Is the fluid explosive? :
Is the fluid toxic? :

For use of the filter inside an E.C. country which class does the fluid belong to according to the 97/23/CE guideline. This statement is MANDATORY and can be issued only by the final user.

We would be pleased to assist to sort out the class definitions of this guideline.

Operating pressure :
Design pressure :

Note: The 97/23/Ce guideline defines strong requirements, including for fluids such as water, as soon as a pressure of 10 bar is reached. It can be of advantage to select a lower design pressure, i.e. 9 bar.

Operating temperature (°C) :
Design temperature (°C) :
Operating capacity (m³/h) :
Design capacity (m³/h) :

Is the flow constant? :
Are you working with liquid batches? :

If not, please specify variation limits: max. and min. capacities, variation frequency. Do you require the same filtration quality for all capacity values?

Definition of the filtration conditions:

Micron rating :

Careful specify the cut off level: a too low cut off level can result in high cost increase!

Contact us for help in cut off level definition.

Do you require a manual operated filter?:

Do you require an automatic filter? :

The purchase price of a manually controlled filter will be cheaper than an automatic unit but the operating costs will be higher. Automatic filters do not satisfy all requirements and especially fine filtration.

Definition of your specific requirements:

For instance: insulation, tracing, construction materials (Stainless steel, hastelloy...) and further requirements (ASME code, stamp U, etc...)

Contact :

Name : Company :
E-mail : Phone : Fax :

LEFCO SA 53 Av Paul Langevin 51530 MARDEUIL, France
Téléphone : 33 (0)3 26 55 56 70 // Télécopie : 33 (0)3 62 02 20 45
Courriel: info@lefc.fr
Site : www.lefc.fr
SA capital 128 057 Euro // Siret 095 650 487 000 10 // NAF 2829B

Send to
info@lefc.fr
or fax to
+33 3 62 02 20 45

