CHEMINDUSTRIAL HYDROCLONE questionnaire

Instructions:
ChemIndustrial makes polypropylene **Hydroclones** and **Hydroclone systems** with inside diameters from fractional inch to 3 inches. Prices are highly dependent on configuration, capacity and degree of automation.

This **Hydroclone** questionnaire will help you define your own project requirements and it will provide ChemIndustrial with the information needed to provide you a realistic price.

Complete a separate questionnaire for each **Hydroclone** process needed on your project. Use attachments as needed to give us comprehensive information.

Need help with this questionnaire? Call, fax or e-mail us using the contact information at the bottom of this page.

Customer company:

Customer project name:

Customer project location:

Customer contact:
Person:
Title:
Address 1:
Address 2:
Phone:
Fax:
e-mail:
website:

Please provide a short description of what you want the **Hydroclone(s)** to accomplish:
(Provide a sketch or drawing if needed for clarity)

Previous system:
Will this system replace another system such as a filter, centrifuge, settling tank:

Y N

If YES, please provide a short description of the prior system.

If YES, why is the prior system being replaced?

Help us understand the logistics of your project:

Is the project budgeted? Y N
What is the estimated startup date?
Who will design the piping and electrical connections?
Who will install the system?
Who will commission the system?
Who will operate the system?
Does the designated operator have experience with process systems?

Help us understand your separation requirements:

Name of incoming fluid:

Characteristics of incoming fluid:

Carrier liquid fraction:

Liquid Name:
Liquid Density = g/ml OR Specific Gravity =
Temperature range of liquids to be treated
Minimum: = Maximum = °F or °C
Viscosity (lab viscosity and measurement units) =
OR like (mark on scale below):
Gasoline Water warm pancake syrup cold pancake syrup

Characteristics of entrained material(s):

Entrained material fraction A:

Material Name:
Material is: Solid Liquid Gas
Density = g/ml OR Specific Gravity =
Concentration in incoming fluid = % w/w
Particle size distribution if solid:

Entrained material fraction B: PRESENT ABSENT

Material Name:
Material is: Solid Liquid Gas
Density = g/ml OR Specific Gravity =
Concentration in incoming fluid = % w/w
Particle size distribution if solid:

Source and quantity of Hydroclone infeed:

Continuous flow: Y N

Batch flow: Y N

Intermittent flow: Y N

Expected Quantity per hour:

Minimum: = Normal = Maximum = Units

Expected Quantity per 24 hour day:

Minimum: = Normal = Maximum = Units

Describe existing supply pump: NONE CENTRIFUGAL OTHER

Separation tendencies:

Have you conducted a timed jar settling test? Y N

Have you conducted a lab centrifuge test? Y N

Describe results:

Discuss toxicity:

Hydroclone outflows:

Lighter fraction to overflow: %w/w

Where does overflow discharge go?

Heavier fraction to underflow: %w/w

Where does underflow discharge go?

Help us with configuration

Equipment location INDOORS OUTDOORS

How much installation space is available

Length= Width= Height=

Facility operating schedule:

Facility mainly operates 8 hours per day Y N

Significant operations outside the 8 hour day? Y N

Help us understand your available utilities:
What electric service is available?

Circle available services	60Hz	50Hz
Single-phase	120Vac 240Vac	220Vac
Three-phase	208Vac 240Vac 480Vac 575Vac	220Vac 380Vac 415Vac

Are there special electrical requirements?

Explosion proof Y N
Other – Describe

Is clean dry compressed air available? Y N

Does the facility where this system will be installed employ the following personnel?

Trained process operators Y N Maintenance electricians Y N
Instrument technicians Y N Engineers Y N

Additional info if you are seeking a Hydroclone system from ChemIndustrial:

ChemIndustrial to:

Provide individual Hydroclone(s): Y N
Provide consultation: Y N
Provide ancillary equipment: Pump(s): Y N
Provide ancillary equipment Tanks/vessels: Y N
Manifold multiple hydroclones: Y N
Provide other pipework: Y N
Provide hydroclone support frame: Y N
Provide complete skid system: Y N
Provide Controls/Automation: Y N
Provide startup assistance: Y N

Other needs:
Please describe: