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APPLICATION DATASHEET CHEMICAL DILUTION SYSTEMS

ONE CHEMICAL per DATASHEET

FORCE FLOW can manufacture chemical dilution systems for almost any application. Completing this form will allow our application engineers to design and recommend the most suitable system for your application. Written quotations on dilution systems can only be provided after completing this form. Please provide separate sheet per chemical.

Company: _____ Project Name: _____
 Contact: _____ Project Location: _____
 Address: _____
 City/ST/Zip: _____
 Phone: _____
 Fax: _____
 Email: _____

Chemical Type: Liquid Dry
 Caustic Sodium Hypochlorite
 Fluoride Potassium Permanganate
 Sulfuric Acid Other _____

SITE FACTS:

What most accurately describes your current situation?

- Feeding high strength chemicals
- Dilute your own chemical on site
- Purchase pre-diluted chemical
- New System Design
- Other (explain on reverse or attach a sheet)

Of the chemical you currently purchase:

What is the concentration? %
 What is the current price per pound? \$ /lb.

How is your chemical delivered?

- 15 Gallon IBC Totes
- 30 Gallon Bulk _____ Gallons
- 55 Gallon Other _____

Is chemical feed system:

- Continuous Feed
- Start/Stop

What percent will you dilute from? %

What final concentration do you require? %

What is your approximate daily chemical usage ?

Gal.

Any known exothermic reaction when mixed with water?

- Yes
- No

What is the dilution water hardness in PPM?

PPM

Will the diluted chemical require mechanical mixing?

- Yes
- No

Is the site unattended?

- Yes
- No

TREATMENT OBJECTIVES:

Why do you want or need to dilute your chemical?

Check all that apply.

- Reduce chemical costs
- Safety of low strength chemicals
- Increase metering pump speeds
- Reduce feed problems associated with chemical off gassing
- Reduced scaling
- Decreased chemical degradation
- Prevent freezing of high strength chemicals (caustic)
- Regulatory compliance (minimum metering pump speeds)
- Other (explain on reverse or attach a sheet)

What Merlin product features do you feel will be most important for this application?

Check all that apply.

- Flexibility in choosing beginning and ending chemical strengths.
- Small equipment footprint.
- Accuracy and consistency of diluted chemicals.
- Pre-engineered and tested systems (sole source responsibility).
- Process alarms and remote monitoring.
- Labor reduction through automation.
- Decreased chemical exposure through automation.