**FILTRATION APPLICATION GENERAL QUESTIONNAIRE**

Please Complete the Following Form filling in as much information as possible.

|  |  |  |  |
| --- | --- | --- | --- |
| **Company Information:**  Please Fill Out Completely | | | |
| **Name:** |  | | |
| **Company:** |  | | |
| **Address:** |  | | |
| **City:** |  | **State/Providence:** |  |
| **Country:** |  | **Zip Code:** |  |
| **Phone:** |  | **Email:** |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Operating Conditions:** | | | | | |
| **Feed Characteristics:** | | | | | |
| Process Slurry: |  | | | | |
| Flow Rate (GPM): |  | | Feed Pressure (PSI): | |  |
| Slurry Specific Gravity: |  | | pH: | |  |
| Liquid Phase SG: |  | | Viscosity (cps): | |  |
| Solids Phase SG: |  | | Temperature (°F): | |  |
| Batch Size (Gallons): |  | | Solids Amount (% Wt): | |  |
| Type/Name (s) of Solids: |  | | | | |
| Average Particle Size: |  | | Particle Density/SG: | |  |
| Nature of Solids: |  | | | | |
| **Process:** | | | | | |
| Process Type: |  | Batch |  | Continuous | |
| Cycle Time (Hours): |  | | Cycles per Day: | |  |
| Precoat/Body Feed: |  | | | | |
| Chemical Treatment: |  | | | | |
| **Process Goals:** | | | | | |
| Req’d Retention (µm): |  | | Filtrate Solids Conc.: | |  |
| Cake Dryness: |  | | Cake Density: | |  |

**Objective:** Please provide a brief description of the process and filtration requirements:

|  |
| --- |
|  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Equipment Design Details:** | | | | | | | | | | | | | | | | | |
| **Materials of Construction for Wetted Parts (Metallic):** | | | | | | | | | | | | | | | | | |
|  | Carbon Steel | | | |  | | 304 Stainless Steel | | | | |  | 316 Stainless Steel | | | | |
|  | Other, Specify: | | | | | | | | | | | | | | | | |
| **Materials of Construction for Wetted Parts (Non- Metallic):** | | | | | | | | | | | | | | | | | |
|  | Polypropylene | | | |  | | Nylon | | | | |  | Teflon | | | | |
|  | Other, Specify: | | | | | | | | | | | | | | | | |
| **Materials of Construction for Non-Wetted Parts (Metallic):** | | | | | | | | | | | | | | | | | |
|  | Carbon Steel | | | |  | | 304 Stainless Steel | | | | |  | 316 Stainless Steel | | | | |
|  | Other, Specify: | | | | | | | | | | | | | | | | |
| **Materials of Construction for Gaskets:** | | | | | | | | | | | | | | | | | |
|  | Neoprene | |  | Buna-N | | | | | |  | EPDM | | | |  | Viton | |
|  | Other, Specify: |  | | | | | | | | | | | | | | | |
| Design Pressure (PSI): | | |  | | | | | | At Design Temp. (°F): | | | | |  | | | |
| ASME Code Stamp: | | |  | Yes | |  | | No | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Electrical Requirements:** | | | | | | | | | | | | | | | | |
|  | NEMA 4 | | | | | | |  | | NEMA 4X | | |  | NEMA 7 | | |
|  | Other, Specify: | | |  | | | | | | | | | | | | |
| Class: | |  | | | | | Division: | | | |  | Group: | | |  | |
| Motors: | |  | TEFC | | |  | | | Explosion Proof | | | | | | |
|  | | | | |  | | | | | | | | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Auxiliary Equipment Required:** | | | | | | | |
|  | Precoat System |  | Admix/Bodyfeed |  | Automation |  | Feed Pump |
|  | Other, Specify: | | | | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Existing Unit Information (If Applicable):** | | | |
| Manufacturer: |  | Model No: |  |
| Serial No: |  | Order No: |  |

|  |
| --- |
| **Additional Information /Notes:** |
|  |