Pall Corporation

FDS TS-106

Process Development

Introduction

Pall has the capability to support our customers in development of separation and purification processes. Whether driving to bring new products to market or streamlining and troubleshooting existing processes, Pall can provide flexible solutions and high quality documentation to back it up. Pall specialists operating in the field can quickly access dedicated Pall technologists, equipment, and laboratories for services ranging from simple advice to pilot investigations or fully detailed research proposals.

Unit Operations for an Integrated Process

Since Pall is the largest provider of separation and purification media, hardware, and both automated and disposable systems, we are uniquely positioned to quickly optimize solutions for each customer.

The technologies upon which we focus include:

- Direct flow depth and membrane filtration
- Tangential (cross) flow membrane filtration
- Dynamic membrane separations
- Membrane chromatography
- Coalescing filters
- Specialized R&D processes (e.g., novel uses of membranes for affinity based separation techniques)
- Water treatment and purification equipment

In addition to the above, and for the purpose of process integration, we have established links to a wide range of suppliers who can provide support for implementation of complementary technologies.

Typical Services Available

Services available as individual or combined activities include:

- Filter/module selection tests
- System design optimization tests
- Cleaning validation studies
- Analytical services
- Process modeling
- Systems design
- Inspection and report
- Engineering services for vessels and pipework, etc.

Facilities

Pall's Scientific and Laboratory Services (SLS) is represented by over thirty-five laboratory facilities at strategic locations worldwide. Many of these laboratories have their own process wet test area where customer fluids or simulated products can be tested. Equipment can also be rented for trials.

This laboratory network is backed by specific centers of expertise in processing, and has direct access to core R&D centers where more advanced customer liaison may take place.

In response to the increasing importance of industrial processes and products, specialized laboratories have been created in the USA at Florida and New York, in the UK at Portsmouth, and in Japan at Tsukuba. Capabilities include chemical, physical and microbiological analysis, as well as equipment for optimization of filtration processes. This includes development of reusable, backwashable, and disposable systems and many aspects of laboratory support.

Time is Valuable

Pall recognizes the customer's increasing requirement to improve filtration performance while lowering overall filtration costs. Pall has over 50 years of innovation and development experience with proven solutions to filtration and separation. Whether it is a disposable system, a reusable or backwashable system, direct flow or tangential flow system, Pall can deploy a range of scalable and reproducible products for every application. This is backed with the capability to provide complete documentation for every test protocol or complete unit operation. Delegating process development to Pall technologists can substantially reduce process development time.

Charges

Each project is assessed individually. Wherever possible, we provide a fixed price in advance. Where this is not possible, we will give an estimate to assist you in budgeting and cost control.

What's the Next Step?

Simply contact your local Pall representatives. They will discuss your specific requirements with you and forward your inquiry to Pall's technical specialists.

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Pall Corporation has offices and plants throughout the world in locations including: Argentina, Australia, Austria, Belgium, Brazil, Canada, China, France, Germany, Hong Kong, India, Indonesia, Ireland, Italy, Japan, Korea, Malaysia, Mexico, the Netherlands, New Zealand, Norway, Poland, Puerto Rico, Russia, Singapore, South Africa, Spain, Sweden, Switzerland, Taiwan, Thailand, United Kingdom, United States, and Venezuela. Distributors are located in all major industrial areas of the world.

*Filtration. Separation. Solution.*SM

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