

A female scientist with glasses and a teal lab coat is focused on her work in a laboratory. She is using a white pipette to transfer a red liquid into a test tube. The background shows a typical lab environment with shelves and various pieces of equipment.

# Hall Pyke

**FILTRATION SOLUTIONS**  
**Pharmaceutical &**  
**Chemical Industry**

**The SMART choice for filtration**

## MESH FILTER PLATES AND FABRICATION SERVICES

Hall Pyke Stainless Steel woven wire mesh for filtration, sieving & sizing. The most common produced mesh type is square weave mesh, produced with aperture sizes from just a few millimetres down to 26 micron mesh, the finest available.

Hall Pyke have over 30 years' experience in working with mesh products and can offer a bespoke design service, some of the products we can do are as follows:

- **Baskets and Elements manufactured to your specifications.**
- **Sieve Screens re-meshed via Machine Tension Bonding/Welding.**
- **Re-meshing of Nutsche type filters and filter leaves.**
- **Topmesh Sintered 2 layer mesh, 15 micron - 500 micron for maximum clean ability.**
- **Synthetic filter cloth and mesh.**

## TECHNICAL FABRICS

Hall Pyke filters for gas filtration provide sophisticated solutions for a wide range of applications. While the material selection is critical to allow low pressure loss, zero emissions and a constant flow rate, the right fabrication quality allows for a longer service life, easy installation and a precise fit. All materials used are FDA compliant.

Hall Pyke filter specialists, process know how enables us to create specifically required filters for any of the machines listed below:

- **Nutsche filters**
- **Centrifuge bags and liners**
- **Disc filters**
- **Fluid bed dryer bags**
- **Bespoke designed filters**
- **Mills and blenders**

## SAFE CHANGE SYSTEMS - For the prevention of exposure to hazardous contaminants during filter changeover

Hall Pyke Safe Change filter systems are designed to prevent the exposure of the operator to potentially hazardous or toxic contaminants that may be present. As exhausted/contaminated filters are removed from the housing any hazardous, toxic or radioactive contaminants captured within the filter will be sealed within the safe change bag. Safe change housings may have up to three ports to allow for Prefilter, HEPA and Carbon filtration. All the systems are custom designed to meet the needs of our clients.



# Th

Hall Pyke are one of Ireland's leading filtration solutions for a broad range of applications. We want to make sure that you

## S

### Solutions

Finding the optimal filtration solution requires specialist, technical knowledge, experience, dedication and long-term commitment.



**Don't buy nitrogen gas... make it!**

### **NITROGEN GENERATORS**

Hall Pyke distribute the Inmatec range of generators with pressure swing adsorption technology. Inmatec with its unique PAN (power as needed) technology promises savings from the very first minute as well as reducing climate damaging CO<sub>2</sub> emissions.



### **HIGH QUALITY AIR FILTRATION SOLUTIONS**

Hall Pyke Provides a range of high quality dust filter cartridges for the pharmaceutical and chemical industry. Our filters are used for gas filtration, intake air, and product separation in production and transport processes. All materials used are FDA approved.

### **INTEGRITY TESTING SERVICES**

Determining if a sterilizing grade filter is integral can be done via non-destructive integrity testing.

The test parameters for sterilizing grade membrane filters are based on correlating the test parameters with the LRV of the filter against a 10<sup>7</sup> CFU/cm<sup>2</sup> challenge with *Brevundimonas diminuta*.

The filter cartridges can be tested by industry standard procedures as recommended in PDA Technical Report 26.

The test parameters are dependent on the surface tension of the wetting fluid to be used. Therefore, the parameters used in the procedures, listed below, assume the wetting fluid to be water. For test values using wetting fluids other than water the adjusted parameters have to be determined.

Hall Pyke can carry out and advise on the following integrity test procedures:

- **Bubble Point**
- **Water intrusion test**
- **Forward Flow Diffusion**
- **Pressure Hold Test**
- **Wetting Procedures**



# **the SMART Choice for Filtration**

Leading filtration, separation and purification companies. Since 1977 we have been supplying bespoke, unique customer applications to the food and beverage industry. Choosing your filtration supplier is a very important decision for your business. If you are making the right choice, the SMART choice. What does the SMART choice mean?

## **M**

### **Money Saving**

Helping you make informed decisions around the true cost of a process, the total cost of ownership and the real return on investment.

## **A**

### **Available Product**

Having critical product stocks available locally for shipment and working with you to ensure accurate and timely demand forecasts.

## **R**

### **Regional Offices**

With offices in Dublin, Cork and Limerick, Hall Pyke representatives are available when and where our customers require us.

## **T**

### **Technical Support**

Providing excellent onsite and laboratory services including; integrity testing, particle size analysis, filter ability index testing.

# Bespoke Filter Housings

## HALL PYKE PRODUCES A WIDE RANGE OF STANDARD AND CUSTOMER SPECIFIC FILTER HOUSINGS

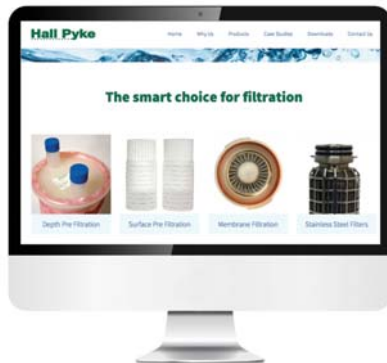
Hall Pyke can now offer a wide range of standard and bespoke designed filter housings for both liquid and gas applications. Filter housings can be designed to International pressure vessel design codes ASME VIII, EN13445 and PD5500, and are ATEX and Pressure Equipment Directive (PED) 97/23/EC compliant.

Hall Pyke can engineer the right housing to suit our customer's requirements. We can manufacture housings with a range of additions including heating jackets, drain points, polished to your requirements, adjustable legs, and almost any connection styles. We also have the design and build capabilities to provide customer specific systems, including trolleys and skids. Whatever your requirements, why not give us a try.



## LIQUID FILTER CARTRIDGES – MEMBRANES

Hall Pyke is Ireland's largest stockist of process filters, depth & membrane filtration. Our range of filters meets the FDA and European regulatory requirements for food and pharma processes. Our filters are fully traceable and manufactured under clean room conditions and meet the requirements of CFR Title 21 and are USP Class VI plastics tested. Hall Pyke filters are available in a range of materials from PTFE, Polypropylene, Nylon, PES and cellulose media.



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