

**Durco Industrial Filtration Products Overview:**



**Tubular Backwashing Filters**

*Durco Tubular Filters Are Ideal For Continuous Filtration Of Process Streams With Low Solids Loading (<200 ppm) And High Flow Rates (To 5,000 gpm). Available with Manual or Automatic Backwash Options.*

[Durco Tubular Filters Online](#)

**Filter Presses**

*Filter Press Systems Recover Solids And/Or Liquids From Slurry. Durco Filter Presses Are Ideal For 'Dewatering' Of Aqueous Or Other Liquid Slurry Containing 3-30 wt% Particulates.*

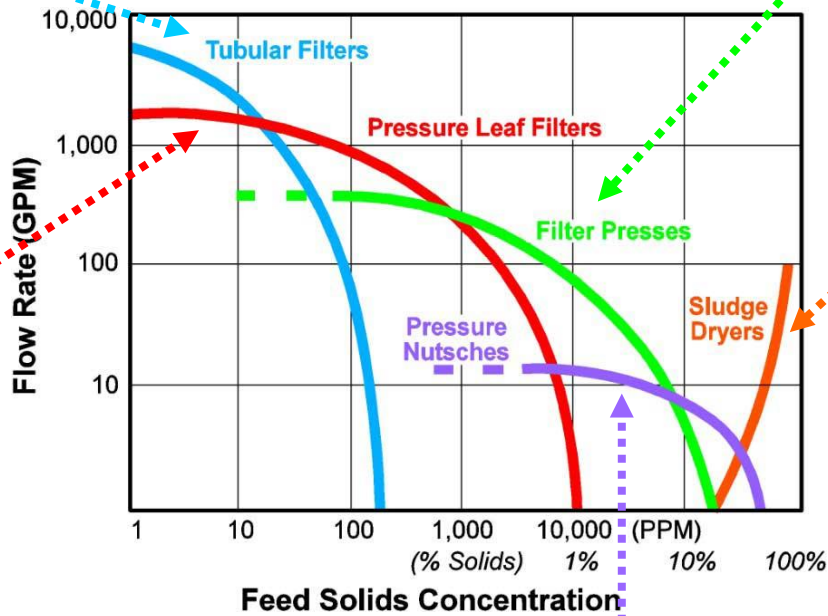
[Durco Filter Presses Online](#)



**Pressure Leaf Filters**

*Durco Horizontal Pressure Leaf Filters & Vertical Pressure Leaf Filters With A Broad Range Of Pressure Leaf Media For Batch Operations With High Flow Rate Capability*

[Durco Pressure Leaf Filters Online](#)



**Sludge Dryers**

*The Durco Enviro-Dri Sludge Dryer Is Ideal For Any Company That Is Currently Generating Hazardous Waste That Must Be Disposed Of In A Hazardous Landfill - Waste Disposal Costs Reduced Up To 75%*

[Durco Sludge Dryers Online](#)

**Pressure Nutsches**

*Durco Pressure Nutsches Are Ideal For Lab, Pilot or Batch Filtration Of Easily Filtered Material Such As Carbon Particles, Salts, etc.... Where A Filter Cake Thickness Of 6 Inches Or More Can Be Attained*

[Durco Pressure Nutsches Online](#)



**Ascension Industries** has purchased & owns all records, drawings, bills of materials and support data for existing: **Duriron (DURCO), Aquacare, Enzinger, Filtration Separation Dynamics (FSD)** Filter Presses, Pressure Leaf Filters & Pressure Nutsches, Tubular Filters & **Enviro-Dri** Sludge Dryers. Ascension is the only authorized supplier of certified **DURCO** OEM Filters & Filter Parts.

**Contact Durco Filtration To Design The Optimum Filtration System For Your Industrial Or Municipal Process:**

## A Filter For Every Industrial Filtration Process



### Durco Tubular Backwashing Filters

**Durco Tubular Backwashing Filters** are designed for **continuous filtration** at high flow rates in applications with low solids loadings. There are 4 tubular filter model types:

**TE Tubular Filters** - Stainless Steel construction (TE3 Tubular Filter System pictured)

**PC Tubular Filters** - Filter Particles down to 0.1 Micron with **Automatic Backwash** options

**PTE Tubular Filters** - Fluorocarbon lined for outstanding resistance to chemical attack

**PVC Tubular Filters** - PVC construction for water or mildly aggressive fluid applications

All tubular filters are available with manual or automatic control and a wide variety of filter media.



### Durco Pressure Leaf Filters

**Durco Pressure Leaf Filters** are designed for high flow rate **batch filtration** with 2-6 wt% solids loadings. They are available in either wet cake (sluicing) or dry cake (vibrating) discharge models.

**Horizontal Pressure Leaf Filters** (pictured) maximize filtration area while **Vertical Pressure Leaf Filters** minimize footprint. Steam jackets are available for all Durco Pressure Leaf Filters.

A wide variety of filter leaf media are available including screened, metal and polypropylene with cloth bags. Pump, pre-coat and admix skids are available with full instrumentation and integrated controls.



### Durco Pressure Nutsches

**Durco Pressure Nutsches** are ideal for piloting of new or modified **batch processes** or for full-scale applications requiring recovery of the filter cake.

**Durco Pressure Nutsches** are designed to incorporate multiple processes within the vessel such as steaming, sparging, drying, or washing.

A wide variety of solids loading and flow rates including intermittent feeding can be accommodated. Filter cakes can exceed several inches in thickness.

Manual versions or hydraulically actuated, full automated versions are available for custom process applications.



### Durco Filter Presses

**Durco Filter Presses** are designed for batch operations with liquids containing high solids concentrations or slurries (3-30 wt% solids). Durco offers 2 filter press design configurations:

The **Durco EP Sidebar Filter Press** features economical operation, using only factory air utility

The **Durco QP Overhead Filter Press** offers enhanced performance in severe applications.

Both models can be equipped with Automatic Shifters, Drip Trays, Cake Chutes and Conveyors. A full range of automation is available from manual operation to fully automatic.



### Durco Sludge Dryers

**Durco Enviro-Dri Sludge Dryers** are designed for supplemental dewatering of sludge cake (>25 wt% solids) up to 90%, greatly reducing waste volume and weight.

The **Durco Enviro-Dri Sludge Dryer** is typically used in conjunction with a **filter press** where the cake discharges directly into the dryer. This integrated design provides a small footprint.

Low-pressure steam (<25 psi) contained in a steam jacket provides highly efficient heating energy, while the sludge cake is mixed within the dryer.

Manual or hydraulic operation is available for inlet and outlet doors.

**Contact Durco Filtration To Design The Optimum Filtration System For Your Industrial Or Municipal Process:**



## Other Durco Industrial Filtration Services

### Filtration Laboratory Testing

**Durco** can test Your process stream samples to help ensure that our equipment meets the needs of Your unique application. Our lab will determine the optimum set of equipment parameters for Your application including:

- Optimum Filtration Equipment Type
- Optimum Filter Unit Sizing
- Optimum Filter Media
- Optimum Filtration Flow Rates
- Any Filter Aid Requirements

### Filtration Pilot Testing

For new or difficult applications, **Durco** can conduct pilot testing at Your process plant site. Supplemental **Durco** lab testing will be used to confirm Feed Rates, Filter Media, Filter Aids and Other Factors supporting optimal operation.

### Industrial Filtration Parts

**Durco** provides a complete line of spare and replacement parts for all of our filtration systems and products. We stock many parts, and can provide 24-hour delivery in emergency situations. Please inquire about:

- Replacement Pressure Leaf Filter Leaves
- Rescreening Filter Leaves
- O-rings, Gaskets and Filter Elements
- Sluicers, Valves and Controls
- Replacement Filter Press Plates

### Industrial Filtration Field Service

**Durco** Industrial Filtration Field Service Team travels the world to keep filtration systems performing at peak efficiency. Services offered include:

- Filtration System Startup
- Filter Unit Operation Training
- Preventative Maintenance and Maintenance Contracts
- Emergency Repair and Service Of Industrial & Municipal Filtration Units
- Filtration Equipment Upgrades and Refurbishments

**To Find Out More About Durco Industrial & Municipal Filtration Services**

**Contact Durco Filtration At Ascension Industries:**

**Call 716-693-9381, e-mail [filtersales@asmfab.com](mailto:filtersales@asmfab.com), or [Contact Us](#)**

**For Laboratory Testing Or Pilot-Scale Testing Call 716-693-9381 ext.217**

**For Durco OEM Filter Parts Call 716-693-9381 ext.207**

**Visa & MasterCard Credit Card Orders Welcome**

## Durco Industrial Filtration Product Lines

[Pressure Leaf Filters](#)

[Tubular Backwashing Filters](#)

[Pressure Nutsches](#)

[Filter Presses](#)

[Sludge Dryers](#)