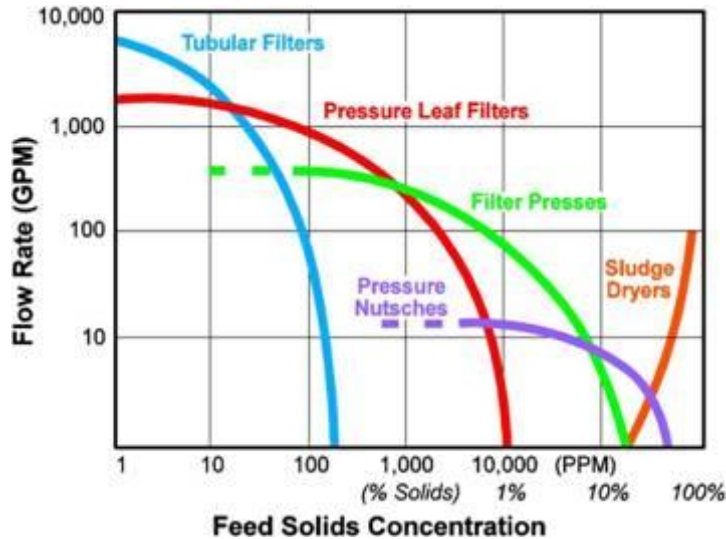


***Durco Horizontal Pressure Leaf Filters Are Specifically Designed For:***



- ***Industrial Batch Filtration Applications With High Flow Rate Requirements***
- ***Process Stream Solids Loadings Up To 6wt% (Depending On Application).***
- ***Supreme Durability With Low Maintenance Operation***
- ***A Wide Range Of Pressure Leaf Media To Support Your Specific Application***

Durco Also Supplies A Line Of Highly Efficient [Pressure Nutsches](#)

***Durco Horizontal Pressure Leaf Filters Guide***



***Durco Horizontal Pressure Leaf Filters are application-designed, and offered in semi-automatic or fully automatic models for fast, efficient, liquid-solid separation***

1. ***Durco Horizontal Pressure Leaf Filter Overview***
2. ***Durco Horizontal Pressure Leaf Filter Model Types & Principal Features***
3. ***More Durco Pressure Leaf Filter Resources Online***
4. ***Durco Industrial Filtration Product Lines***

***Durco DHC (Dry Cake Discharge) Horizontal Leaf Filter Unit***

**Ascension Industries** has purchased & owns all records, drawings, bills of materials and support data for existing: **Duriron (DURCO), Aquacare, 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:***

# 1. Durco Horizontal Pressure Leaf Filters Overview



*The Durco Horizontal Pressure Leaf Filter is ideally suited for high and / or constant flow, batch filtration, with dry cake or wet cake discharge options*

Durco Horizontal Pressure Leaf Filters are designed for high performance operation with the minimum amount of maintenance. All units provide high flow rates, with maximum filtrate clarity, and meet ASME Code requirements.

A wide range of optional equipment is available to custom design Durco horizontal pressure leaf filters to your individual needs. Options include:

- Lined with rubber, stainless steel or titanium for severe service
- Controls - manual to fully automatic
- Capable of sub-micron particle retention with pre-coat and body feed
- Wide range of leaf materials and construction to meet the most demanding applications

All Durco Pressure Leaf Filter Systems include detailed custom design and layout of:

- Equipment
- Piping
- Instrumentation
- Electrical components
- State-of-the-art programmable controllers or integration with a DCS
- Design standards are 75 psi at 300°F
- High pressure and temperature systems are available upon request

**Durco** also offers You a range of test filters, laboratory analysis of Your process fluids, and on-site pilot-scale filter testing to optimize Your filtration process.

**Contact - 716-693-9381 ext.217**  
[filterengineering@asmfab.com](mailto:filterengineering@asmfab.com).

## Features

**Horizontal Configuration**

**Sub Micron Retention**

**Constant Flow Rate**

**Dry and/or Wet Solids Discharge**

**Automated Closed System Turn Key Design**

## Benefits

Available in sizes to 72" tank diameter with up to 2,600 ft<sup>2</sup> filtration area capable of loading solids up to 6 wt% (depending on application).

Ideal for high polish applications, 1/10 micron removal.

Compensates for process fluctuations of flow rates up to 2,600 gpm.

Provides flexibility in solids handling or processing by either sluicing or dry cake discharge designs.

PLC controlled, sealed vessels drastically reduce operator involvement and provide process containment.



## 2. Durco Horizontal Pressure Leaf Filters Two Model Types & Principal Features

**Durco Horizontal Pressure Leaf Filters** are available in 2 model variants, characterized by discharge mode:

- **Durco Type HC Wet Cake Discharge Filters** - are sluicing discharge mode horizontal pressure leaf filters
- **Durco Type DHC Dry Cake Discharge Filters** - are vibrating discharge mode horizontal pressure leaf filters

**Durco HC and DHC Horizontal Pressure Leaf Filters** are custom built & optimized for each application, and are specifically engineered to operate with the minimum amount of maintenance.

The Durco retractable shell design eliminates interior wheels and tracks for filters up to 600 or more sqft in size, depending on the material filtered. This minimizes corrosion problems and easily allows the entire filter leaf bundle to be fully exposed for inspection. The supporting wheel assemblies are mounted on the filter shell exterior. All process piping is connected to the stationary section, so there is no need to disconnect the filter piping system to open the vessel.

### Durco Horizontal Pressure Leaf Filters Principal Features Summary:

- **Durco Type DHC Pressure Leaf Filter Dry Cake Discharge** – Vibrator Mode or Manual Mode
- **Durco Type HC Pressure Leaf Filter Wet Cake Discharge** – Oscillating Sluice Mode or Hydrojet Sluice Mode
- Maximum Filtration Area = 2,600 ft<sup>2</sup>
- Maximum Cake Volume = 133 ft<sup>3</sup>
- Maximum Solids Loading = 2-6 wt% (depending on application)
- Tank Closure Options – Standard Bolted or [Durco Quick Open / Closure](#)
- Filter Leaf Media Options - Metal Screen or Fabric (Type HC)
- Feed Arrangement Options - Baffled Inlet or Internal Distribution
- Filtrate Arrangement Options - Common Manifold or Sectionalized Manifold
- Control Options – Semi Automatic or Fully Automatic
- Front Head & Rear Head - Dished
- ASME coded
- Jackets Available - Steam / Water / Cooler

## 3. More Durco Pressure Leaf Filter Resources Online:

[Durco Pressure Leaf Filter Overview](#)

[Entire Durco Pressure Leaf Filter Range – Downloadable PDF File](#)

[Durco Horizontal Pressure Leaf Filters](#)

[Durco Vertical Pressure Leaf Filters](#)

[Durco Vertical Pressure Leaf Filter – Downloadable PDF File](#)

[Durco Pressure Leaf Filtration Media](#)

[Durco Pressure Leaf Filters For Molten Sulfur Filtration](#)

## 4. Durco Industrial Filtration Product Lines

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[Pressure Leaf Filters](#)

[Tubular Backwashing Filters](#)

[Pressure Nutsches](#)

[Filter Presses](#)

[Sludge Dryers](#)