

Durco Pressure Nutsches Are Specifically Designed For:



- **Laboratory Scale Or Pilot Scale Industrial Batch Filtration**
- **Liquid / Slurry Process Streams With Low To Very High Solids Loadings**
- **Dry Or Wet Process Solids Recovery With 6in Cake Thickness, Or More**
- **Supreme Durability With Low Maintenance Operation**
- **A Wide Range Of Pressure Leaf Media To Support Your Specific Application**



Durco Pressure Nutsche Unit

**Durco Pressure Nutsche
Filtration Guide**

Durco Pressure Nutsche Filters are available in manual or automatic models, designed for fast, efficient, liquid-solid separation

1. Durco Pressure Nutsche Filter Overview
2. Durco Pressure Nutsche Features & Benefits
3. Durco Pressure Nutsche Applications
4. Durco Versatile Pressure Nutsches
5. More Durco Pressure Nutsche Resources
6. Durco Industrial Filtration Product Lines

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 Pressure Nutsche Filters Overview



***Durco Pressure Nutsches Are Ideal For
Piloting Of New Or Modified Batch Operation
And / Or Processes Requiring Recovery Of
Process Solids As Dry Or Wet Cake***

◀ *Durco Pressure Nutsche With Hydraulic Bottom Opening*

Durco Pressure Nutsches can handle a large variety of flow rates and solids loadings which can be discharged in dry or slurried form. This versatile filter can be:

- Constructed from a variety of materials (carbon steel, stainless steel, titanium, hastelloy)
- Lined with rubber, polypropylene or Kynar
- Designed for pressures up to 300 psi (2068 kpa) or full vacuum
- Eyebolt and wing nut or Quick Opening Closure cover
- Available in multiple configurations and sizes

The Durco Pressure Nutsche is excellent for lab, pilot or batch applications, and ideal for recovering easily filtered material such as carbon particles, salts and other products where cake thickness of 6 inches and above is achievable.

2. Durco Pressure Nutsche Filter Features & Benefits

All Durco Pressure Nutsches

- Easy recovery of cake in dry or wet form
- Wide variety of construction materials
- Available with alloy or rubber-lined vessels
- No wasted heel (zero bypass)
- Designs from full vacuum to 300 psi or higher
- Recovery of valuable solids where the filter cake is the product, the filtrate is the waste
- Permits multiple processes to take place within the filter such as steaming, sparging, drying or washing
- Accommodates a wide variety of flow rates and solids loadings
- Porous cake applications where cakes can build to several inches
- Further treatment with nitrogen purges or washes (acids)

Durco Manual Pressure Nutsches

- Hand crank, swing-out opening
- Available with hydraulic Quick Open / Closure*
- Sight glass with light source
- Highly specialized media for fine filtration

Durco Automatic Pressure Nutsches

- Automated vertical travel and tilt of head for easy cake discharge minimizes operator involvement
- Integral hydraulic package
- Mechanical interlock on Quick Open / Closure* prevents opening under pressure
- Highly specialized media for specialized filtration

* [Quick Open / Closure System pdf](#)

Process Applications:

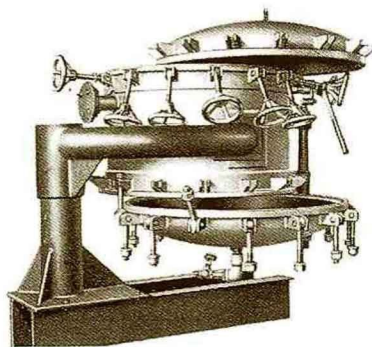
- Pharmaceuticals
- Food additives
- Specialty chemicals
- Precipitated salts



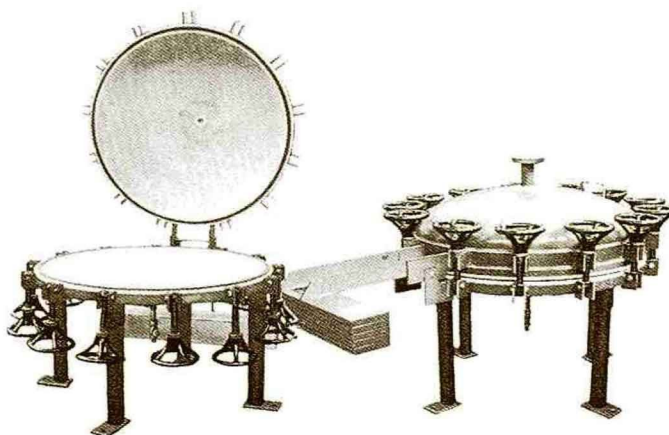
4. Durco Versatile Pressure Nutsches

Special designs are available to meet your specific needs: hinged bottom and top-opening head, small units with hinged cover and stationary filter element, and a conical bottom and arrangement for internal sluicing.

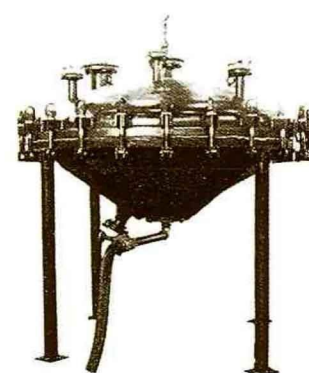
Pressure Nutsche special designs to meet your exact requirements:



Hinged bottom and top opening head.



Small units with hinged cover and stationary filter element.



Conical bottom and arrangement for internal sluicing.

These versatile filters can be constructed of a variety of materials including carbon steel, stainless steel, titanium and hastalloy. They can also be lined with rubber, Polypropylene and Kynar.

[Contact Durco Filtration](#) To Define The Optimum Pressure Nutsche For Your Filtration Process

5. More Durco Pressure Nutsche Filter Resources

[Durco Pressure Nutsche Filters](#)

6. Durco Industrial Filtration Product Lines

[Pressure Leaf Filters](#)

[Tubular Backwashing Filters](#)

[Pressure Nutsches](#)

[Filter Presses](#)

[Sludge Dryers](#)