

DURCO FILTERS™

by Ascension Industries

Proven, Trusted Solutions™

Pressure Nutsche



**Durco Filters Pressure Nutsche
with Hydraulic Top Opening & Tilt**

Durco Filters 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 Filters 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 Filters** Pressure Nutsche is also ideal for recovering easily filtered material such as carbon particles, salts and other products where cake thickness of 10 inches and above is achievable.

Features & Benefits

- 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 and 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)

Automatic Pressure Nutsches

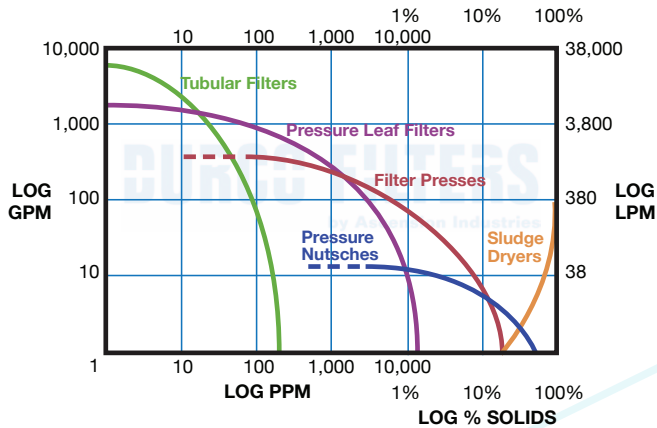
- Automated vertical travel and tilt of head for easy cake discharge minimizes operator involvement
- Integral hydraulic package
- Mechanical interlock on Quick Open / Closure prevents opening under pressure
- Highly specialized media for specialized filtration

Manual Pressure Nutsches

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



Pressure Nutsches



Durco Filters 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 10 in. cake thickness, or more
- Supreme durability with low
- Maintenance operation
- A wide range of pressure leaf media to support your specific application

Process Applications:

Pharmaceuticals ▪ Food Additives ▪ Specialty Chemicals ▪ Precipitated Salts

Pressure Nutsche special designs to meet your exact requirements.



Bolted and Hinged Top with Pivoting Shell for Dumping Cake



Vertical Top Opening with Hand-wheel Lift and Bolted Top Closure



Quick Opening Bottom Closure with Variable Elevation Shell

ASME Section VIII, China Code (SQL-AQSIQ), European- PED (97/23/EC) | ISO9001:2008

DURCO FILTERS™
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Continuing the tradition of over 130 years of **Durco Filters™** quality and innovation, as well as custom turnkey systems, Ascension Industries is your provider of **Proven, Trusted Solutions.**

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