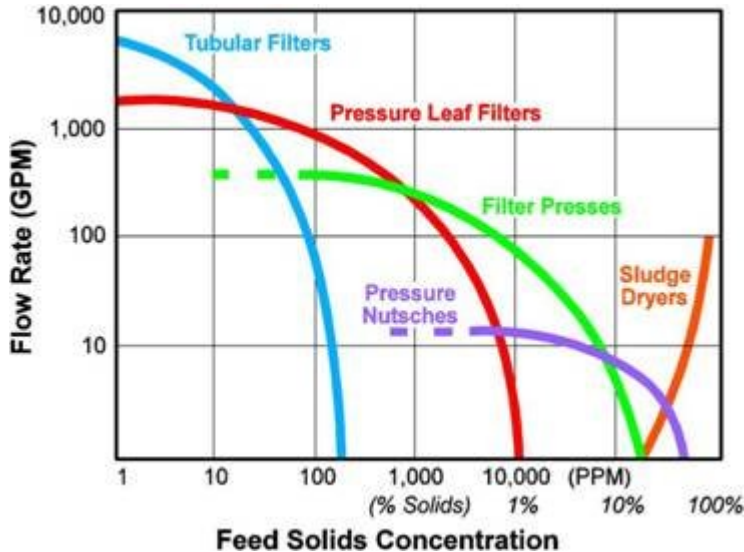


Durco Sidebar Filter Press Paint Sludge Dewatering Systems Are Specifically Designed To:



1. Reduce Your waste disposal costs through low-cost dewatering of paint sludge
2. Use cost-effective filter press technology and proprietary chemical pre-treatment
3. Dewater latex-based paint sludges, producing a dry filter cake and clear filtrate

Durco Sidebar Filter Press Paint Sludge Dewatering Guide:



1. Durco Paint Sludge Dewatering Expertise & Solution
2. Durco Paint Sludge Dewatering Systems Technical & Filtration Data
3. Durco Paint Sludge Dewatering Systems Features & Benefits
4. Durco Industrial Filtration Products

Durco Cost-Effective Sidebar Filter Press & Proprietary Chemical Pre-Treatment Paint Sludge Dewatering System

[More Information On The Cost Effective Durco EP Sidebar Filter Presses Online](#)
[Download A Printable Durco EP Sidebar Filter Press PDF Document](#)

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.



1. Durco Paint Sludge Dewatering Expertise & Solution

Paint Sludge Dewatering Expertise

Durco has installed many successful paint sludge dewatering systems. Combining 60+ years of filtration experience with modern lab testing and proprietary methodology we can successfully and economically dewater even the most difficult paint sludge applications.

Application

Most paint systems use water-based latex paint. A water curtain or spray booth is used in these systems to keep airborne paint solids from escaping to atmosphere. The painting lines generate a waste stream consisting of water and paint solids. Prior to discharge, the paint solids must be separated from the water and dewatered into solid cake for disposal.

Challenge

Due to the nature of the paint solids and latex based solution the solids cannot be settled out and/or filtered without pre-treatment. Without pre-treatment, the waste water quickly "paints" over the filter media and blinds it off. Previous methods of trying to separate solids included acidification and costly bulking with lime or ferric chloride. Also, the paint from each different paint manufacturer generates waste with different characteristics. As a result the dewatering technique for one paint may not work with another paint.



Solution – Durco Filter Press Dewatering Technology & Proprietary Pre-Treatment

The Durco Paint Sludge Dewatering System includes a Durco sidebar filter press combined with chemical pretreatment using a proprietary precipitating and flocculating agent.

Durco's safe and chemically non-corrosive agent produces easily settled paint solids which efficiently dewater into a dry filter cake with clear filtrate.

Durco begins by lab testing samples and optimizing the process for Your particular paint sludge. Durco then provides a customized paint sludge dewatering system including a filter press and methodology for precipitating and flocculating the paint sludge.

2. Durco Paint Sludge Dewatering System Technical & Filtration Data

Technical Data

Application	Wastewater from latex water-based paint systems. Treatment and dewatering to remove paint solids.
Equipment	Custom engineered pretreatment system, EP filter press with Primapor media
Materials of Construction	Polypropylene filter plates and cloths, either standard recessed style or caulked and gasketed

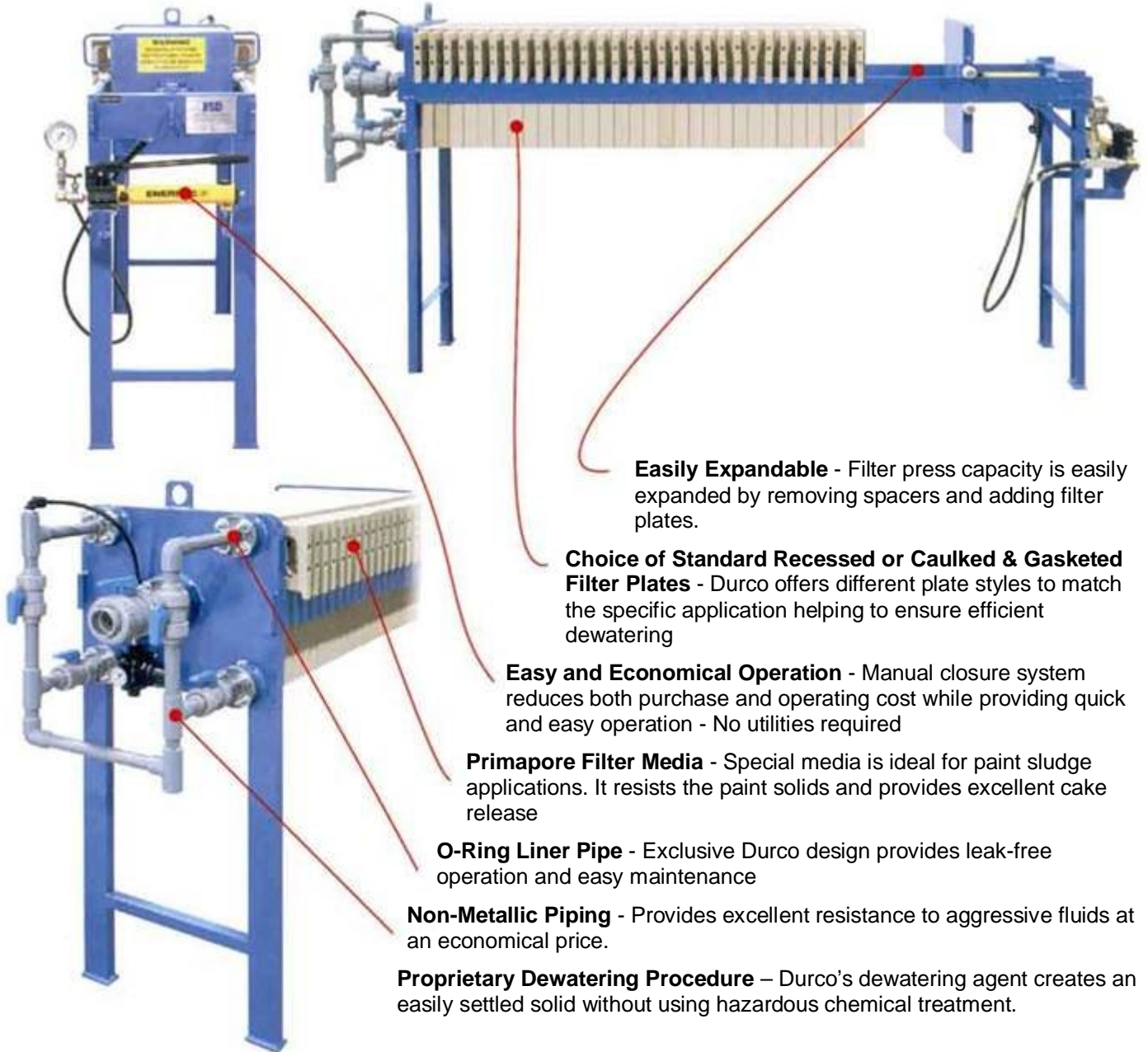
Filtration Data

Liquid	Water
Suspended Solids	Paint solids – May contain heavy metals
Attainable Cake Dryness	20% - 40% by weight
Cycle Length	4 hours (typical)
Treatment Agent	Proprietary



3. Durco Paint Sludge Dewatering Systems Exclusive Features & Benefits

Durco Paint Sludge Dewatering Filters Incorporate Many Proprietary Design Features:



Easily Expandable - Filter press capacity is easily expanded by removing spacers and adding filter plates.

Choice of Standard Recessed or Caulked & Gasketed Filter Plates - Durco offers different plate styles to match the specific application helping to ensure efficient dewatering

Easy and Economical Operation - Manual closure system reduces both purchase and operating cost while providing quick and easy operation - No utilities required

Primapore Filter Media - Special media is ideal for paint sludge applications. It resists the paint solids and provides excellent cake release

O-Ring Liner Pipe - Exclusive Durco design provides leak-free operation and easy maintenance

Non-Metallic Piping - Provides excellent resistance to aggressive fluids at an economical price.

Proprietary Dewatering Procedure – Durco's dewatering agent creates an easily settled solid without using hazardous chemical treatment.

Find Out More About Testing Your Paint Sludge To Provide Your Custom Optimized Dewatering System

4. Durco Industrial Filtration Product Lines

[Pressure Leaf Filters](#)

[Tubular Backwashing Filters](#)

[Pressure Nutsches](#)

[Filter Presses](#)

[Sludge Dryers](#)