

> Perma-Disc Filters

Suspended Solids Removal

**Dramatically reduce disposal costs
while removing suspended solids**



CONREC

Cost-effective

Unlike disposable paper or cartridge media filters, Perma-Disc has permanent filtration discs that are easy to clean. This greatly reduces your direct operating costs and, in many cases, reduces annual hazardous waste disposal costs significantly.

Quick, simple cleaning

Whereas other filtering systems produce quantities of contaminant-soaked media, Perma-Disc discards only the suspended solid contaminants - no bulky cartridges or soggy media to deal with.

The Perma-Disc stack is easy to remove for fast efficient cleaning.

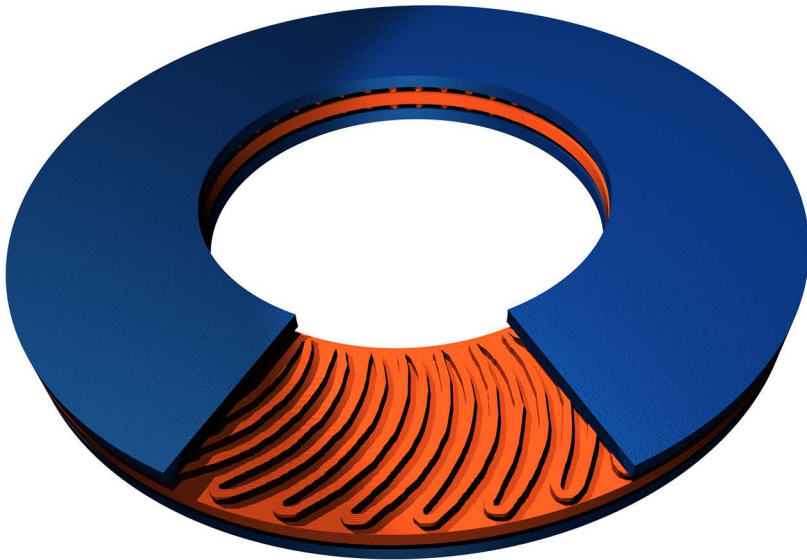
Small package; huge performance

Perma-Disc performs like a large sand filter - except at a much reduced capital cost and a fraction of the size. The small, wheeled filter, pumps & platform assembly is portable, easy to install in tight areas, and it flows of up to 16,000 gallons per hour.



An ISO 9001 Company
Established 1980

Replace expensive disposable filter papers and cartridges with Perma-Disc



Applications and Industries

Perma-Disc is a permanent media horizontal disc filter that offers the TSS removal capacity of disposable media without any of the replacement and reduced disposal costs



“Every one of our customers that have used the Perma-Disc system are extremely satisfied and we are always confident in recommending them in conjunction with our electroplating installations.”

– Mark Norton, Walgren Company

Features and Benefits:

- Efficiently clean 3,000 to 16,000 gallons per hour at a third of the capital cost of a large sand filter
- Greatly reduce hazardous waste disposal and filter replacement costs with permanent filter discs
- Double-sided discs with large sludge holding capacity reduce cleaning frequency and labour requirements
- Improved seal security and reduced maintenance costs with precision-molded and corrosion-resistant CPVC or PVDF O-Rings grooves
- Reduced labour and cleaning costs with extended stacked discs
- Lengthen system lifespan with durable and proven filter system components designed for long-term, rugged use
- Fast-acting “no tools” swing bolts save time and cut labour costs when emptying the filter
- Compact and easily portable wheeled unit that can be transported easily and installed in tight areas.

Filter, Pump & Platform Assembly

The pump fills the filter chamber with TSS contaminated fluid and air is released through the chamber's vents. As fluid passes through the system, it's forced through dozens of stacked discs with thousands of micro-channels that filter out contaminants as small as 10 microns. Pre-coating of the disc with freter aid provide filtering performance down to one micron. Only clean fluid is able to completely pass through the inner stack.

Add these optional features to your Perma-Disc to fit your application:

1. Pre-treatment slurry tank

Optimize Perma-Disc performance and reduce cleaning requirements by adding pre-coating filter aids, carbon, or chemical additives to your process solution. Slurry tanks for applying diatomaceous earth are ideal for wastewater treatment applications that require very fine filtration down to one micron.

2. Parallel filter stacks

Filter your water on a 24/7 basis with two Perma-Disc stacks instead of one. While one stack collects solids, the other is ready after a quick rinse between cycles.

3. Air diaphragm lead pumps

The air pump's gentle action does not shear and split up flocced particles into smaller pieces, allowing the Perma-Disc's micro-channels to trap solids more effectively.