

# CASE STUDY



## End-User Description

Chemap® filters solve filtration tasks in a simple and economic way. They are especially suited to demanding filtration applications in which the drying, extraction, heel volume filtration, washing and sterile process control are integral parts of the filtration. These filter systems are used in the fields of environmental protection, foodstuffs, pharmaceuticals, chemicals, nuclear and hydro-metallurgy.

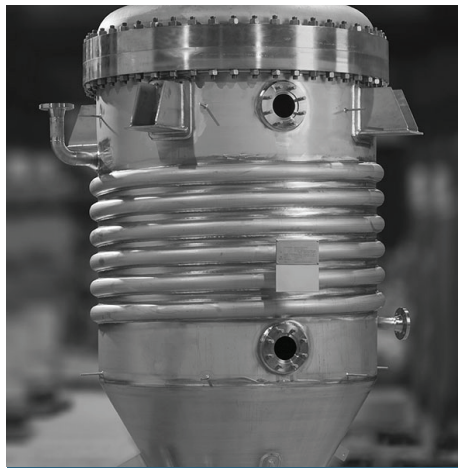
## The Challenge

Since we are very broadly positioned and the Chemap-Filter can cover many applications, we need a gasket that we can use in a versatile and flexible way. Since our customers can also filter several products in one Chemap-Filter, we have to design the filters in such a way that the seals also meet these requirements.

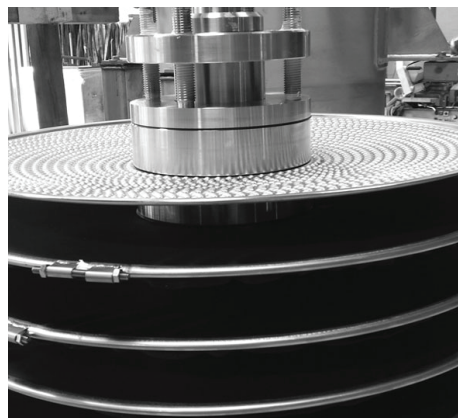
[www.funda.ch](http://www.funda.ch)



**Type A Filter** features a fully enclosed, self-discharge, back-washable design.



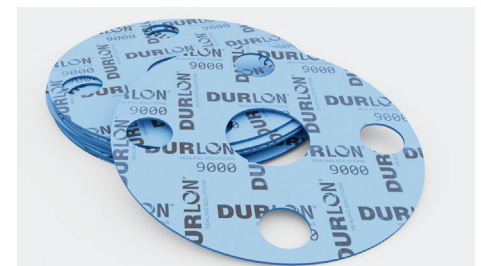
**Type R Filter** features a completely closed, self-discharging filter for the recovery of dry filter residues.



We also offer completely re-purposed filters of different sizes and materials. These include all documentation necessary for proper operation, updated assembly and maintenance instructions, with short delivery times.

## The Solution

For most systems we use Durlon® 9000 but we also finding the need for Durlon® 9400 and at times, Durlon® 8500. For us it is very important that we do not have too many different sealing materials, so that we can standardize the gaskets.



**Durlon® 9000**



**Durlon® 9400**



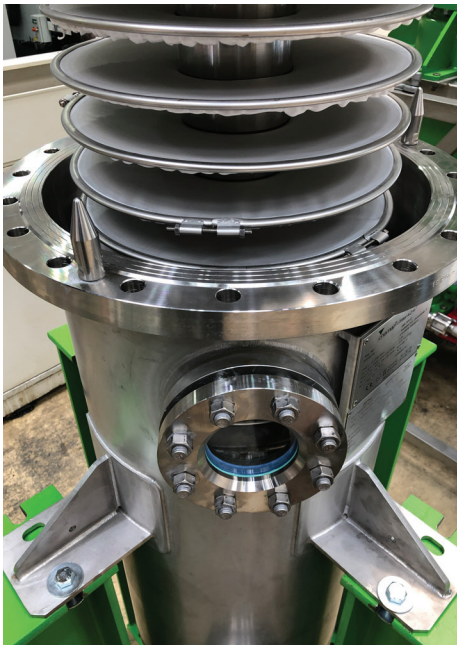
**Durlon® 8500**

# CASE STUDY

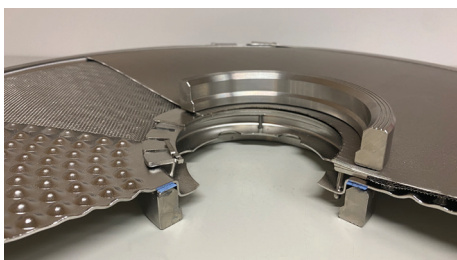


## The Customer's Findings

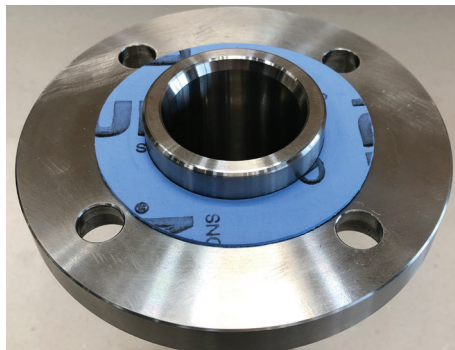
With the Durlon® 9000 gaskets we are very well equipped to cover all applications and do not have to worry about any problems. So far, we have never had a complaint.



Type A Filter System



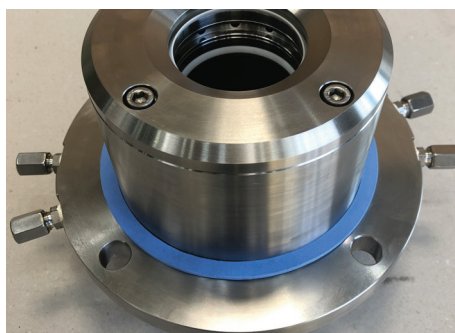
Filter Plate



Upper Seal



Sight Glass



Lower Seal - Bearing

## Durlon® Product Used

Durlon® 8500  
Durlon® 9000  
Durlon® 9400

## End-User Industries

Mining, Chemical, Food & Beverage, Metal Working, Nuclear Power, Pharmaceuticals, Textile, and Environmental Protection.

## Media

Filtrations Systems

## The Benefits

Durlon® 9000 is for use in process piping and equipment in chemical, pulp & paper, food & beverage and other general industrial applications where resistance to highly aggressive chemicals is required. In addition, the shape of the fillers do not allow wicking which can cause corrosion on flange surfaces and conforms to FDA requirements.

Durlon® 9400 is a high performance filled PTFE gasket material designed for use in piping and equipment, chemical, and other general industrial applications where resistance to highly aggressive chemicals (including hydrofluoric acid) and conductivity (for ATEX) is required.

Durlon® 8500, a high-performance compressed gasket material suitable for oils, water, steam, new generation refrigerants, dilute acids and alkalis, and many other liquids and gases.