

# Cartridge Housings and Elements

## Overview

Schroeder has depth filtration cartridges for fine filtration and the housings to fit. Standard cartridges are available in 10, 20, 30 and 40 inch lengths. These meltblown filters come in either a 2.5" or 4.5" diameter. Depth filter cartridges have larger openings towards the outside of the element and smaller openings near the center. This allows for higher dirt holding capacity to lengthen the life of the element.

Most common are the elements with a double open end (DOE). Cartridges with either a 222 o-ring seal or a FIN style are also available. The range of filtration on these elements is from 1 micron up to 100 microns. All of our elements are made from 100% pure polypropylene fibers to ensure high quality. Elements with center tubes for support are also available.

The housings for these elements are available with either a 100% polypropylene head and bowl or in electro-polished stainless steel.

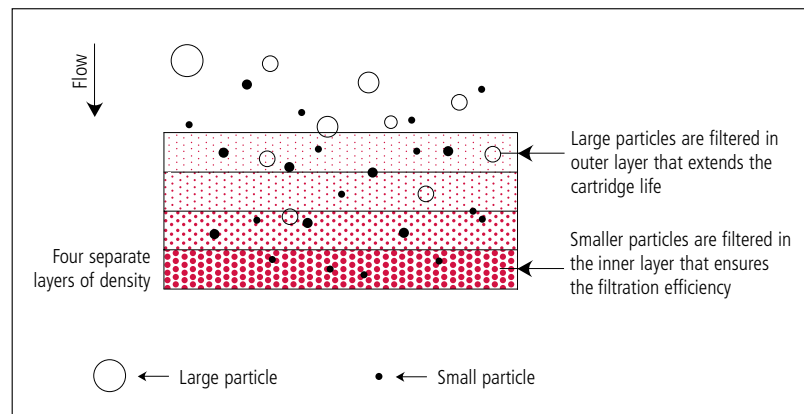
The polypropylene housings accept either the 10" or 20" elements for both 2.5" and 4.5" diameter. The threaded head and bowl allow for quick and easy changing of the elements. Various sizes of NPT ports make installation quick and easy and allow flows up to 40 gpm depending upon the housing size. Because the housings are 100% polypropylene, they are tough and durable. The 2.5" housings are rated up to 125 psi (8.6 bar) at 140°F (60°C) while the 4.5" housings are rated for 100 psi (7.0 bar) at 140°F (60°C).

Stainless steel housings are used for higher flow rates and pressure up to 150 psi (10.0 bar) at 167°F (75°C). These larger housings hold seven elements in a circular array in all four standard lengths. The quick release clamp on the lid allows for easy changing of the elements while providing a tight seal. Each one comes standard with a gauge port in the lid. DOE and 222 style cartridges are accepted by these housings.

Both types of housing are durable, built to last in harsh conditions and have low clean pressure drops.

## Features

- 100% polypropylene construction
- Max operating temperature 167°F (75°C)
- Max pressure drop 46 psi (3.2 bar) @ 68°F (20°C)
- Recommended cartridge replacement at 22 psi (1.5 bar)
- Special lengths and micron ratings available upon request
- 222 o-ring seal, FIN style end caps and center support tubes available upon request



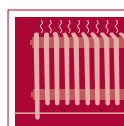
## Industries Served



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How to Build a Valid Model Number for an Economical (DCE) Element:

|       |       |       |       |
|-------|-------|-------|-------|
| BOX 1 | BOX 2 | BOX 3 | BOX 4 |
| DCE   |       |       |       |

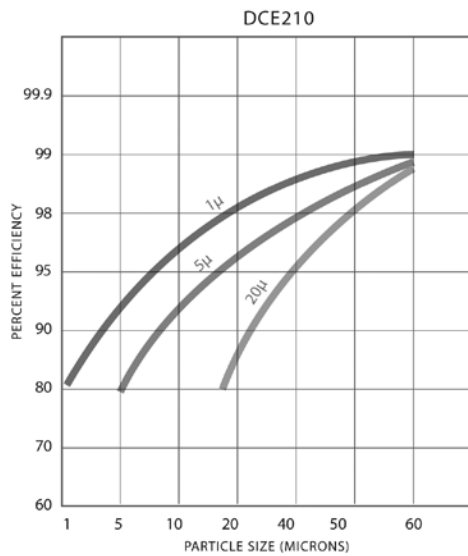
Example: NOTE: One option per box

|       |       |       |       |
|-------|-------|-------|-------|
| BOX 1 | BOX 2 | BOX 3 | BOX 4 |
| DCE   | 2     | 10    | 25    |

= DCE21025

| BOX 1                | BOX 2                      | BOX 3  | BOX 4  |
|----------------------|----------------------------|--|--|
| <b>Filter Series</b> | <b>Element Size</b>        | <b>Element Length</b>  | <b>Micron Rating</b>   |
| DCE                  | 2 = 2.5" OD<br>4 = 4.5" OD | 5 = 4-7/8" (2.5" OD only)<br>10 = 9-7/8"<br>20 = 20"<br>30 = 30" (2.5" OD only)<br>40 = 40" (2.5" OD only) | 01 = 1 µm<br>05 = 5 µm<br>10 = 10 µm<br>20 = 20 µm<br>25 = 25 µm<br>50 = 50 µm<br>75 = 75 µm<br>100 = 100 µm<br>150 = 150 µm |

Filter and Media are sold separately.



## Filter Model Number Selection

DCE

PP

ACE

CH1

CH3 -CH7

CH12-CH24

RMF

## Filter Data