



# Carlent – CarboPlus

CarboPlus modules, the latest innovation in carbon depth treatment.

## Introduction

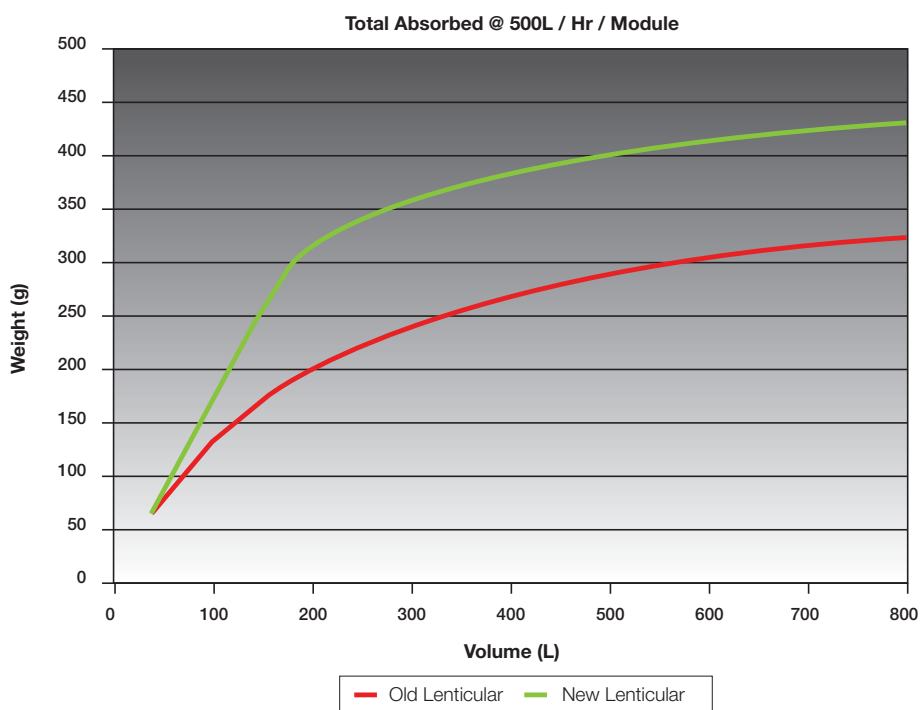
CarboPlus modules, the latest innovation in carbon depth treatment, offers increased carbon weight and increased carbon contact time in comparison to a standard carbon lenticular module. Designed to fit into industry standard housings CarboPlus modules can directly replace standard lenticular modules



## Dimensions

|                                                         | CarboPlus module                           | Standard module |
|---------------------------------------------------------|--------------------------------------------|-----------------|
| Diameter (mm)                                           | 400 +/- 3                                  | 400 +/- 3       |
| Compressed modules height including 2 flat gaskets (mm) | 275 +/- 3                                  | 275 +/- 3       |
| Quantity of cells (standard)                            | 10                                         | 16              |
| Volume of treatment media (litres)                      | 21.11                                      | 16.89           |
| Grade                                                   | Weight of available carbon per module (kg) |                 |
| ICN                                                     | 3.5                                        | 2.8             |
| PCN                                                     | 3.5                                        | 2.8             |
| MCN                                                     | 3.5                                        | 2.8             |
| QCN                                                     | 3.5                                        | 2.8             |
| ACN                                                     | 3.5                                        | 2.8             |

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## Benefits

- CarboPlus modules offer 25% more carbon capacity than standard carbon modules
- The flow rate through a CarboPlus module can be increased by 25% without affecting the treatment efficiency
- Offers increased contact time
- The totally enclosed construction of the system is ideal where hygiene is important or the conditions hazardous
- Eliminates the need for loose activated carbon powder or granules, giving more effective carbon use (fewer kg of carbon required)

| Lenticular Module Operating Parameters |         |
|----------------------------------------|---------|
| Max Operating Temperature              | 95°C    |
| Max Δ Pressure                         | 2.5 bar |
| Max Back Δ Pressure                    | 0.5 bar |



## FILTROX Carlson Ltd

BUTTS MILL BARNOLDSWICK LANCASHIRE UNITED KINGDOM  
BB18 5HP TEL: +44 (0) 1282 811000 FAX: +44 (0) 1282 811001  
EMAIL: sales@carlson.co.uk

visit us at: [carlson.co.uk](http://carlson.co.uk)



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