Introductions

The new ASTM D6751 Cold Soak Filtration test is leaving many diesel/biodiesel producers and consumers “out in the cold”. In response, Schroeder Fuels Filtration is proud to present ColdClear™, a new proprietary, patent pending, multi-stage separation technology designed specifically to ensure that diesel/biodiesel products conform to this ASTM standard for cold flow properties. The ColdClear™ system consists of a three-stage bank of housings using a combination of filtration and adsorption principles to capture compounds that could cause plugging or crystallization in diesel/biodiesel fluids. Notably, ColdClear™ is the premiere multi-stage treatment system for solving the cold soak filtration dilemma in diesel B100 biodiesel and biodiesel blends in a single pass while resulting in a negligible yield loss.

Features and Benefits

- ColdClear™ is a three stage system with all housings mounted in series on a single skid
- The first stage serves as a pre-filter and captures solid particulates down to three microns using high efficiency Excellement® cartridges
- Stages 2 and 3 utilize cartridges that combine adsorption technologies with the proven effectiveness of Schroeder’s High efficiency Excellement® synthetic media
- The standard ColdClear™ system is equipped with 1½” NPT, 2”NPT or 2” SAE flange ports and is designed to handle a maximum flow of 15 gpm for an estimated 40,000 gallons
- Multiple units can be employed to meet higher flow requirements
- The ColdClear™ system can be easily integrated into existing plant piping environments
- If multiple units are required, Schroeder Fuels Filtration offers a range of flow & system monitoring options to ensure proper operation
- The essence of the ColdClear™ technology is the removal of crystallization precursors from the diesel, biodiesel or biodiesel blends. Therefore knowing the exact flow rate of your system is essential for the ColdClear™ system to be properly sized and configured for specific application

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow</td>
<td>Up to 15 gal/min (57 L/min)</td>
</tr>
<tr>
<td>Max Operating Pressure</td>
<td>150 psi (10.3 bar)</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>70°F optimal (40°F to 100°F)</td>
</tr>
<tr>
<td>Porting Base &amp; Cap</td>
<td>Aluminum</td>
</tr>
<tr>
<td>Element Case</td>
<td>Aluminum</td>
</tr>
<tr>
<td>Cartridge Type</td>
<td>BCC39QPRE &amp; BCC39QPOL</td>
</tr>
<tr>
<td>Element Change Clearance</td>
<td>33.8 (859 mm)</td>
</tr>
</tbody>
</table>

ColdClear™ is only available through the Schroeder Fuel Filtration network of authorized distributors and representatives.
## Typical Applications

- In-plant treatment of biodiesel (B100) prior to conform to ASTM standards prior to blending or shipment
- In-plant treatment of diesel/biodiesel blends (ex. B5, B10, etc) to ensure blended biodiesel meets or exceeds cold flow specifications
- For use in diesel fuel storage and distribution systems where diesel B100 or biodiesel blends are stored and distributed to ensure shipped blends conform to ASTM specifications
- Large fleet terminals that have on-site diesel (and biodiesel blend) storage to ensure tight adherence to cold flow standards
- Pre-treatment of fats and oils prior to processing

## Ordering Information

How to Build a Valid Model number for a Schroeder BCC300:

### Example: **NOTE:** One option per box

- **BOX 1**: BCC300
- **BOX 2**: V = Viton
- **BOX 3**: P24 = 1½” NPT
  - P32 = 2” NPT
  - F32 = 2” SAE
  - 4-bolt Flange Code 61
- **BOX 4**: P24 = 1½” NPT
  - P32 = 2” NPT
  - F32 = 2” SAE
  - 4-bolt Flange Code 61
- **BOX 5**: Omit = None
  - D5 = Visual Pop-up
  - D5C = Visual Pop-up in cap
  - DPG = Differential pressure gauge
  - MS10 = Electrical w/ DIN connector (male end only)
- **BOX 6**: UU = Test points in each stage

### Replacement Cartridges

- **Stage 1 Cartridge**: BCC39QPRE
- **Stage 2 & 3 Cartridges**: BCC39QPOL