Model 55C
Economy Liquid Filter
Flow rates up to 200 GPM

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Adder options and cartridges are to be purchased & shipped separately.

Cartridge model CM
Available in pleated polypropylene, polyester, glass or cellulose and PEACH polyester or polypropylene.

Contaminant Loading Comparison
Long life alternative to bag housings!

Typical #2 Bag
20” Pleated Chemelean®
40” Pleated Chemelean®

8X Loading
6X Loading
1X Loading

Data based on laboratory testing

A NEW ERA IN FILTRATION PERFORMANCE AND INNOVATION™

Tired of changing out bag filters so often? Before you buy your next bag filter housing, consider purchasing a Chemelean filter housing instead! Chemelean filters provide excellent contaminant loading so cartridge change-out typically becomes less frequent than a bag...and that keeps your process up and running!

ISO 9001

Buna-N gasket
Item# 23477 GSKT BUNA-N .275 RD x 9.375 OD 90 DURO
Item# 24907 GSKT BUNA-N .275 RD x 9.375 OD 70 DURO

A NEW ERA IN FILTRATION PERFORMANCE AND INNOVATION™

The perfect blend for your liquid filtration needs
Chemelean®
Liquid Housings & Cartridges

Looking for an easy to use, versatile filter to blend right into your existing piping? Chemelean® housings and cartridges offer versatility to adapt to a wide variety of process liquid applications up to 200 gpm. Chemelean® cartridges come in a wide range of media choices for suitable fluid compatibility.

**STANDARD FEATURES**

- 8” Diameter
- ASME Code Section VIII, Div. 1
- Carbon Steel Construction
- Swing Bolt Closure
- Inlet/Outlet 2” FNPT
- Drain 1” FNPT
- DP Ports 1/2” FNPT
- SSPC-SP6 Sandblast
- 1 Coat Polyurethane

**OPTIONS**

- Inlet/Outlet Flange Connections
- Clamp Support Legs or Saddle
- Closure Gasket Materials

**CARTRIDGE SIZE & STYLE**

- Double Open Ended Cartridges (DOE)
- 6" Diameter
- 20” or 40” Length

**CARTRIDGE NOMENCLATURE**

| Model | Cartridge Length | In/Out | Number of Cartridges | A     | B     | C     | D     | E     | F     | G     | H     | I     |
|-------|------------------|--------|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5SC-1620-B-275-CS-STD | 20” | 2” Cplg | 1                   | 8.625”   | 26.625” | 34.375” | 6.625” | 9.125” | 16.375” | 25.500” | 53.25 | 41.375 |
| 5SC-1640-B-275-CS-STD | 40” | 2” Cplg | 1                   | 8.625”   | 46.625” | 54.375” | 6.625” | 9.125” | 16.375” | 25.500” | 73.25 | 61.375 |

Note: Dimensions are a general reference only.
**Economy Liquid Filters**

The PECOFacet Chemelean® series liquid housings and cartridges offer versatility to adapt to a wide variety of process liquid applications up to 200 gpm. The housings come in two sizes to hold either a 20” length cartridge or 40” length cartridge. Chemelean® cartridges come in a wide range of media choices for suitable fluid compatibility.

- **CARBON STEEL STANDARD HOUSINGS**
  - Item# 23832  FLT 55C- 1-620-8-275-CS-STD
  - Item# 23753  FLT 55C- 1-640-8-275-CS-STD
  - Comes standard with the following buna-N closure gasket: Item# 23477    GSKT BUNA-N .275 RD x 9.375 OD  90 DURO

- **STAINLESS STEEL STANDARD HOUSINGS**
  - Item# 24838  FLT 55C- 1-620-8-150-SS-STD
  - Item# 24836  FLT 55C- 1-640-8-150-SS-STD
  - Comes standard with the following buna-N closure gasket: Item# 24907    GSKT BUNA-N .275 RD x 9.375 OD  70 DURO

**ADDER OPTIONS**

**SUPPORTS**
- Legs for Vertical Housing Support
  - Item# 23433  CHEMELEAN VERTICAL HOUSING STAND 8 INCH

- Saddle for Horizontal Housing Support
  - Item# 25826  CHEMELEAN HORIZONTAL HOUSING STAND 8 INCH SET

**FLANGES**
- 2” 150# Carbon Steel Threaded Inlet and Outlet Flange Connections (for carbon steel housings)
  - Item# 25109 FLG 105 150 TDRF 2 SET

- 2” 150# Stainless Steel Threaded Inlet and Outlet Flange Connections (for stainless steel housings)
  - Item# 25110 FLG 316L 150 TDRF 2 SET

**CLOSURE GASKETS**
- EPDM Gasket
  - Item# 25762 GSKT EPDM .275 RD x 9.375 OD  70 DURO

- Buna-N Gasket
  - Item# 24907    GSKT BUNA-N .275 RD x 9.375 OD  70 DURO

- Viton® Gasket
  - Item# 25763 GSKT VTON .275 RD X 9.375 OD  90 DURO

**ADDER OPTIONS AND CARTRIDGES ARE TO BE PURCHASED & SHIPPED SEPARATELY**
Closure Gasket Materials

Inlet/Outlet Flange Connections

OPTIONS

existing piping? Chemelean
Looking for an easy to use, versatile filter to blend right into your suitable fluid compatibility.

Chemelean

1 Coat Polyurethane
SSPC-SP6 Sandblast
DP Ports 1/2” FNPT
Drain 1” FNPT
Inlet/Outlet 2” FNPT
Swing Bolt Closure
Carbon Steel Construction
ASME Code Section VIII, Div. 1

8” Diameter

Model

® cartridges come in a wide range of media choices for Cartridge Length

STANDARD FEATURES

® housings and cartridges offer versatility

Note: Dimensions are a general reference only.

Chemelean® Cartridges 2 = 6”OD x 20”L

CARTRIDGE NOMENCLATURE

G1
–
Pleated Fiberglass/Epoxy Backing
– GHT1*
–
Pleated Polyester
–
Pleated Polypropylene
–
Pleated Fiberglass/Acrylic Backing

Efficiency Rating: 99.98%
Micron Ratings: 5, 10, 20, 40, 70, 100
Temp Limit: 180° F

EPDM Seal

Buna Seal

Tin Plated Steel Louvered Canbody, Core, End Caps

Viton® Seal

Corrosion Resistant Canbody, Core, End Caps

Pleated Cellulose

Efficiency Rating: 90%
Micron Ratings: 5, 10, 20, 40, 70
Temp Limit: 250° F

1 cP

3 cP

7 cP

15 cP

100 gpm

90 gpm

75 gpm

60 gpm

200 gpm

180 gpm

150 gpm

120 gpm

CARTRIDGE SELECTION GUIDE FOR COMMON APPLICATIONS

<table>
<thead>
<tr>
<th>Water or Amine</th>
<th>Condensate</th>
<th>Hot Hydrocarbons</th>
<th>Lube Oil</th>
<th>Glycol</th>
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<tbody>
<tr>
<td>Pleated Cartridge</td>
<td>CM-L-xxxxE</td>
<td>CM-GI-xxxxV</td>
<td>CM-GHT1-xxxxV</td>
<td>CM-CI-xxxxB</td>
</tr>
<tr>
<td>PEACH® Cartridge</td>
<td>CM-PCHL-xxxxE</td>
<td>CM-PCHE-xxxxV</td>
<td>N/A</td>
<td>CM-PCHE-xxxxB</td>
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<tr>
<td>pH Range</td>
<td>0-14</td>
<td>3-9</td>
<td>3-11</td>
<td>3-11</td>
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</tbody>
</table>

xxxx = Cartridge Length & Micron Rating

AVG FLOW RATES VS. DIFFERENTIAL PRESSURE (PSID) USING PLEATED CARTRIDGE

PSID Calculations for Fluids Greater Than 1 cP

3 cP = Chart Value times 1.12  •  7 cP = Chart Value times 1.33  •  15 cP = Chart Value times 1.66

<table>
<thead>
<tr>
<th>20” CARTRIDGE (1 cP)</th>
<th>GPM</th>
<th>1μm</th>
<th>5μm</th>
<th>10μm</th>
<th>20μm</th>
<th>30μm</th>
<th>40μm</th>
<th>70μm</th>
<th>100μm</th>
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<tbody>
<tr>
<td>25</td>
<td>0.4</td>
<td>0.3</td>
<td>0.25</td>
<td>0.15</td>
<td>0.115</td>
<td>0.08</td>
<td>0.05</td>
<td>0.03</td>
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<tr>
<td>50</td>
<td>0.95</td>
<td>0.7</td>
<td>0.5</td>
<td>0.39</td>
<td>0.325</td>
<td>0.26</td>
<td>0.18</td>
<td>0.1</td>
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<tr>
<td>75</td>
<td>1.55</td>
<td>1.2</td>
<td>0.9</td>
<td>0.7</td>
<td>0.615</td>
<td>0.53</td>
<td>0.39</td>
<td>0.25</td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>2.25</td>
<td>1.8</td>
<td>1.4</td>
<td>1.13</td>
<td>1.03</td>
<td>0.93</td>
<td>0.68</td>
<td>0.48</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>40” CARTRIDGE (1 cP)</th>
<th>GPM</th>
<th>1μm</th>
<th>5μm</th>
<th>10μm</th>
<th>20μm</th>
<th>30μm</th>
<th>40μm</th>
<th>70μm</th>
<th>100μm</th>
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</thead>
<tbody>
<tr>
<td>50</td>
<td>0.4</td>
<td>0.3</td>
<td>0.25</td>
<td>0.15</td>
<td>0.115</td>
<td>0.08</td>
<td>0.05</td>
<td>0.03</td>
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</tr>
<tr>
<td>100</td>
<td>0.95</td>
<td>0.7</td>
<td>0.5</td>
<td>0.39</td>
<td>0.325</td>
<td>0.26</td>
<td>0.18</td>
<td>0.1</td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>1.55</td>
<td>1.2</td>
<td>0.9</td>
<td>0.7</td>
<td>0.615</td>
<td>0.53</td>
<td>0.39</td>
<td>0.25</td>
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<td>200</td>
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<td>1.03</td>
<td>0.93</td>
<td>0.68</td>
<td>0.48</td>
<td></td>
</tr>
</tbody>
</table>

RECOMMENDED MAXIMUM FLOW

For PEACH® depth cartridge multiply flow rate by 0.75

V = Viton®
E = EPDM
B = Buna-N

Contaminant loading based on lab testing with pleated cartridges. Results may vary under field conditions.
## CARTRIDGE NOMENCLATURE

<table>
<thead>
<tr>
<th>Model</th>
<th>Standard Configuration Codes</th>
<th>Cartridge Size</th>
<th>Micron Rating</th>
<th>Seal Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM</td>
<td></td>
<td>2 = 6&quot;OD x 20&quot;L</td>
<td>010 = 1 micron</td>
<td>B = Buna-N</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 = 6&quot;OD x 40&quot;L</td>
<td>050 = 5 micron</td>
<td>E = EPDM</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>100 = 10 micron</td>
<td>V = Viton®</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>200 = 20 micron</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>300 = 30 micron</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>400 = 40 micron</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>700 = 70 micron</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1000 = 100 micron</td>
<td></td>
</tr>
</tbody>
</table>

- **E** – Pleated Polyester
  - Tin Plated Steel Louvered Canbody, Core, End Caps
  - Buna Seal
  - Temp Limit: 240°F
  - Micron Ratings: 5, 10, 20, 40, 70, 100
  - Efficiency Rating: 99.98%

- **L** – Pleated Polypropylene
  - Tin Plated Steel Louvered Canbody, Core, End Caps
  - EPDM Seal
  - Temp Limit: 180°F
  - Micron Ratings: 5, 10, 20, 40, 70, 100
  - Efficiency Rating: 99.98%

- **G1** – Pleated Fiberglass/Acrylic Backing
  - Tin Plated Steel Louvered Canbody, Core, End Caps
  - Viton® Seal
  - Temp Limit: 250°F
  - Micron Ratings: 1, 5, 10, 20, 30
  - Efficiency Rating: 99.98%

- **G2** – Pleated Fiberglass/Acrylic Backing
  - Corrosion Resistant Canbody, Core, End Caps
  - Viton® Seal
  - Temp Limit: 250°F
  - Micron Ratings: 1, 5, 10, 20, 30
  - Efficiency Rating: 99.98%

- **GHT1** – Pleated Fiberglass/Epoxy Backing
  - Tin Plated Louvered Canbody, Core, End Caps
  - Viton® Seal
  - Temp Limit: 350°F
  - Micron Ratings: 1, 5, 10, 20, 30
  - Efficiency Rating: 99.98%

- **GHT2** – Pleated Fiberglass/Epoxy Backing
  - Corrosion Resistant Canbody, Core, End Caps
  - Viton® Seal
  - Temp Limit: 350°F
  - Micron Ratings: 1, 5, 10, 20, 30
  - Efficiency Rating: 99.98%

* When using cartridges for temperatures rated above 250°F, housing rating should be re-evaluated by engineering.
Economy Liquid Filters

The PECOFacet Chemelean® series liquid housings and cartridges offer versatility to adapt to a wide variety of process liquid applications up to 200 gpm. The housings come in two sizes to hold either a 20” length cartridge or 40” length cartridge. Chemelean® cartridges come in a wide range of media choices for suitable fluid compatibility.

- Stock units are available in 8” diameter at 150# ANSI rating
- 2” FNPT standard connections with option for changing to 2” flange connections
- Carbon steel unit dual rated: 275 psig at 250°F without corrosion allowance and 150 psig at 250°F with 1/8” corrosion allowance
- Stainless steel unit rated: 150psig at 250°F without corrosion allowance

### ADDER OPTIONS AND CARTRIDGES ARE TO BE PURCHASED & SHIPPED SEPARATELY

#### Cartridge Model CM
Available in pleated polypropylene, polyester, glass or cellulose and PEACH® polyester or polypropylene.

#### Contaminant Loading Comparison

<table>
<thead>
<tr>
<th>Cartridge Type</th>
<th>Loading</th>
</tr>
</thead>
<tbody>
<tr>
<td>Typical #2 Bag</td>
<td>1X Loading</td>
</tr>
<tr>
<td>20” Pleated Chemelean®</td>
<td>8X Loading</td>
</tr>
<tr>
<td>40” Pleated Chemelean®</td>
<td>16X Loading</td>
</tr>
</tbody>
</table>

Data based on laboratory testing

Tired of changing out bag filters so often? Before you buy your next bag filter housing, consider purchasing a Chemelean® filter housing instead!

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