## CMT Specifications

<table>
<thead>
<tr>
<th>Material</th>
<th>7-Channel</th>
<th>3-Channel</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>MDPE</em></td>
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<td></td>
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<table>
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<tr>
<th>Tubing outside diameter</th>
<th>1.7” (43 mm)</th>
<th>1.1” (28 mm)</th>
</tr>
</thead>
</table>

| Channel diameter         | 6 - Outer pie channels: nominal 0.4” (10 mm)  
1 - Center hex channel: nominal 3/8” (9.5 mm)  
3 - Hex channels: nominal 3/8” (9.5 mm) | 3 - Hex channels: nominal 3/8” (9.5 mm) |
|-------------------------|-------------|-------------|

| Channel volume           | 40 mL/ft  
30 mL/ft (center) | 30 mL/ft |
|-------------------------|------------|----------|

| Installation options**  | Sand & bentonite backfill  
Natural formation collapse | Bentonite & sand cartridges  
Sand & bentonite backfill  
Natural formation collapse |
|-------------------------|--------------------------|--------------------------|

| Coil lengths***         | 100 ft (30 m), 200 ft (60 m)  
& 300 ft (90 m) | 100 ft (30 m), 200 ft (60 m),  
& 500 ft (150 m) |
|-------------------------|------------------------|------------------------|

<table>
<thead>
<tr>
<th>Tubing temperature during installation</th>
<th>-15ºC to +35ºC ****</th>
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<table>
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<tr>
<th>Port plug temperature during installation</th>
<th>+15ºC to +35ºC</th>
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<tr>
<th>Pressure differential (water levels)</th>
<th>12.5 inch-pounds torqued port plugs are designed to hold 20 psi (50 ft) of head differential.</th>
</tr>
</thead>
</table>

### Notes

* tubing is MDPE; proprietary mix of HDPE and LDPE products.

** Avoid using ‘single lifts’ of grout, greater than 50 ft in the unsaturated zone.

*** Each CMT coil measures 1 to 2 ft longer than stated.

**** If air temperature is above +35ºC, use cold water to cool down the tubing at the port before installing the port plug.

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### 7-Channel Standard Port Assembly (106278)

- CMT Oetiker Clamps 41.0 LP
- Pie Plug for Base of Channel
- Channel Identifier
- CMT Screen 6" 100 Mesh
- Pie Plug
- Vent Hole

Note: Port plugs are tightened to a torque of 12.5 inch-pounds. Plugs in the base, or bottom, of the CMT should be torqued sequentially and incrementally to ensure even expansion.

### Guide Point with Port Assembly (105856)

- Gear Clamp
- Guide Point Port Assembly

Note: Gear clamp is tightened to a torque of 12.5 inch-pounds, so guide point can support up to 20 lbs of additional weight (optional).

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* Solinst is a registered trademark of Solinst Canada Ltd.

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3-Channel Standard Port Assembly (107237)

CMT Oetiker Clamps 28.0 LP
CMT Screen 6" 100 Mesh
Channel Identifier
Vent Hole

Hex Plug
Hex Plug for Base of Channel

Note: Port plugs are tightened to a torque of 12.5 inch-pounds.

3-Channel Guide Point (107178)

CMT Oetiker Clamp 30.0 LP

Guide Point

Hand Tools for CMT System Assembly

Port Cutting Guide
(7CH – 106850; 3CH – 107239)

403 Sheet Metal Shears - 10" (107983)

Hex Wrench (comes with Port Cutting Guide)

403 Torque Tool Assembly - 12.5 in lbs (107255)

403 Oetiker LP Pliers (100177)

1/8" Allen Wrench (comes with Port Cutting Guide)