Tools and Materials Needed for Grouting

1. 7-Channel CMT Purge/Grout Adaptor Assembly (#108130) Includes:
   - Purge/Grout Adaptor
   - 1 x Gear Clamp (#108201)
   - 2 x Internal (#V130) O-rings (one extra) (#103807)
   - 12 x Grout Plugs (#104027)
   - 1 x Hex Plug (#108208)
2. 7-Channel Torque Driver (#107255)
3. Slot Head Screwdriver

Grout Adaptor Setup Instructions

1. With the ports completed, lay the CMT on the ground and use the torque driver to install and torque the Hex Plug into the bottom/base of the CMT (in middle Channel 7).
2. Insert the Grout Plugs to restrict flow into each vent hole.
3. With the top-mounted 1/4" compression fitting still attached, unscrew and remove the upper black Delrin® fitting from the top of the Grout Adaptor. This will allow access for threading the 1" diameter grout line.
4. Be sure to keep the O-ring inside the base of the Adaptor. This will ensure a seal between the Adaptor and the CMT tubing.
5. Place the Adaptor onto the base of the CMT tubing and slide up by about 2". Tighten the Gear Clamp at the base of the Adaptor to secure it to the CMT.
6. Plug the Side-mounted Discharge with a grout bypass line

Grouting Instructions

1. With the CMT assembly still lying on the ground, thread the 1" diameter grout line directly onto the top of the Grout Adaptor.
2. Proceed to grout until the grout reaches and exits the Grout Plugs, in each of the vent holes.
3. Remove the Grout Adaptor and clean. Wipe the end of the CMT clean.
4. Install and torque the Base Plugs into each of the outer CMT channels.
5. Remove the centre Hex Plug and install the guide point port.

Decontamination Suggestions

Follow your usual cleaning protocols and procedures. Washing the Adaptor can be easily accomplished with a small brush and suitable cleaning solution.

Note: 2" = 50 mm, 1" = 25 mm, 1/4" = 6 mm, 1/8" = 3 mm
Purge/Grout Adaptor Operating Instructions

Tools and Materials Needed for Purging

1. 1.7-Channel CMT Purge/Grout Adaptor Assembly (#108130) Includes:
   • Purge/Grout Adaptor
   • 1 x Gear Clamp (#108201)
   • 2 x Internal (#V130) O-ring (one extra) (#103807)
   • 12 x Grout Plugs not required for purging (#104027)
   • 1 x Hex Plug (#108208)

2. Set of 10 Standard Pie Plugs (#107836)
3. Model 464 Driveline Adaptor (#107117)
4. Tools from Standard 7-CH Installation
   • 7-Channel Torque Driver (#107255)
   • 1/8" Allen/Hex Wrench (#103408)
5. Solinst Model 464 Electronic Control Unit (#112506 - 125 psi or 112508 - 250 psi) or equivalent
6. 1/4" OD x 0.17" LDPE tubing
7. Compressed Gas (Air or Nitrogen)
8. Suitable Discharge Container
9. Standard/Slot Head Screwdriver
10. Pliers

Purging Option

Model 403 7-Channel

4. Be sure to keep the O-ring inside the base of the Adaptor. This will ensure a seal between the Adaptor and the CMT tubing.

5. Feed the 1/4" tubing through the bottom of the Adaptor and up through the top-mounted compression fitting. Lower the Adaptor onto the CMT tubing by about 2".

6. Tighten the top-mounted compression fitting. Attach the Driveline Adaptor to the other end of the tubing and to the Electronic Control Unit.

7. Tighten the Gear Clamp at the base of the Adaptor to secure it to the CMT.

8. Attach an appropriate length of 1/4" tubing to the Side-mounted Discharge Compression Fitting on the Adaptor, to handle the discharge.

Developing/Purging Instructions

1. Insert the discharge line into your collection container or flow cell.
2. Adjust the Control Unit “Regulator” to the appropriate pressure setting [(depth to water in ft. x 0.43 psi/ft.) + 10 psi].
3. Adjust the drive and vent times on the Control Unit to suit your recharge conditions and desired flow or discharge rate.

Decontamination Suggestions

Follow your usual cleaning protocols and procedures. Wash the Adaptor with a small brush and suitable cleaning solution.

To avoid cross contamination through the 1/4" purge tube, it is suggested to dedicate separate tubing to each channel.