WELCOME

Thank you for choosing Dynatect as your solution partner. This guide contains important information on your new ChemTank Cover. Please take the time to thoroughly read and understand this guide prior to installation, operation, or maintenance of the equipment.

Dynatect reserves the right to modify the contents of this installation manual as well as the components used on this product, which may be different than shown in this installation manual. Since Dynatect is continually improving its products and services, this guide may include updates from a previous version, and we are always seeking feedback for how to make it better.

If you need additional copies of any instructions or if you have questions, recommendations, or feedback regarding the safe and proper installation or operation of your ChemTank Cover, please contact Dynatect directly at:

(262) 786-1500 (TF: 800-298-2066) or sales@dynatect.com.

We appreciate your business and the confidence you have placed in us.

Please consider where to store and file this guide so that it can be used again for future adjustment or maintenance. We appreciate your business and the confidence you have placed in us. Please contact us if we can be of further assistance.

CHECKING YOUR SHIPMENT

The contents of your shipment include:

• Canister Assembly
• Packaged Rail Components (Quantity dictated by bill of lading)
• Package of hardware/components

Please thoroughly check this shipment carefully and compare it to the bill of lading. Account for all items in the container or package, and inspect the container and each item for damage and/or concealed damage. Notify the carrier at once if there are any shortages, damages, or concealed damage; add any necessary notations to your bill of lading; and request that the carrier return and make an inspection.

File your claim with the carrier promptly and support it with photographs and all available documentation. Be sure that all missing or damaged parts are replaced and that the mechanical problems are corrected prior to installing this unit. Dynatect is not responsible for collection of claims or replacement of lost or damaged materials due to carrier negligence.

The guidelines and procedures in this book are published in good faith and have been checked for accuracy, however, no warranties, either expressed or implied, are made; nor are successful results guaranteed. The author and editors do not take any responsibility for human error, typographical mistakes, or variations in individual work. Nor shall they be liable for special, consequential, or exemplary damages resulting, in whole or part, from the reader’s utilization of, or reliance upon, this material.

The reader is expressly warned to consider and adopt all safety precautions and activities presented herein to avoid potential hazards and liabilities. By following the instructions and guidelines contained herein, the reader willingly assumes all risks in connection with these instructions and guidelines.
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The words DANGER, WARNING, CAUTION and NOTICE are used throughout this manual to highlight important information. Be certain that the meanings of these alerts are known to all who work on or near the door.

This safety alert symbol appears with most safety statements. It means attention, become alert, your safety is involved! Please read and abide by the message that follows the safety alert symbol.

<table>
<thead>
<tr>
<th><strong>DANGER</strong></th>
<th>Indicates a hazardous situation that, if not avoided, will result in death or serious injury.</th>
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<th><strong>WARNING</strong></th>
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<tr>
<th><strong>CAUTION</strong></th>
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<tr>
<th><strong>NOTICE</strong></th>
<th>Indicates a hazardous situation that can cause damage to the door, personal property, and/or the environment, or cause the door to operate improperly.</th>
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**NOTE:** Indicates a procedure, practice, or condition that should be followed in order for the door to function in the manner intended.
MATERIAL vs. LOCATION

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>OFF TANK END</th>
<th>SIDE OF TANK</th>
<th>OVER TANK</th>
</tr>
</thead>
<tbody>
<tr>
<td>304 STAINLESS</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>316 STAINLESS</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>POLYETHYLENE</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>POLYPROPYLENE</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PVC</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

LOCATED OVER TOP OF THE TANK
- COVER MATERIAL
  - FLUOROPOLYMER
  - COATED-PVC

LOCATED ON SIDE OF THE TANK
- SIDE RAIL COMPONENTS
  - PVC

LOCATED OVER TOP OF THE TANK
- LEADING EDGE COMPONENTS
  - 316 STAINLESS STEEL
  - 304 STAINLESS STEEL
  - POLYPROPYLENE

LOCATED OFF END OF THE TANK
- CANISTER ASSEMBLY COMPONENTS
  - 316 STAINLESS STEEL
  - 304 STAINLESS STEEL
  - POLYPROPYLENE
  - POLYETHYLENE
  - PVC

- DRIVE CABLE COMPONENTS
  - 316 STAINLESS STEEL

- IDLER END CLOSE-OFF PANEL
  - POLYETHYLENE

* REPLACEMENT-FRIENDLY
** REPLACEABLE
BEFORE YOU BEGIN

MOUNTING CONSIDERATIONS

The Riser Extrusion adds 4.500 [114.5 mm] of clearance to allow hoses, piping, agitators, etc unobstructed access to your process tank.

ChemTank Cover mounted without Riser Extrusion, has a lower profile adding only 6.719 [170.5 mm] to the top of the tank edge.

ChemTank Cover mounted with Riser Extrusion, adds 11.250 [285.5mm] to the top of the tank edge.

The Idler Assemblies can be mounted off the end of the process tank to allow the tank top to be closed completely.

The Idler Assemblies can be mounted inboard from the tank end to allow tight positioning, auxiliary equipment tank access or ventilation, this will restrict the the tank tops ability to be closed completely.
THE PVC RAIL EXTRUSIONS ARE NOT RECOMMENDED FOR DIRECTLY SUPPORTING ANY TYPE OF CROSS-TANK HANGING ELEMENT TO SUSPEND PARTS INTO FLUIDS
BEFORE YOU BEGIN

THE CHEMTANK COVER PVC EXTRUSIONS ARE NOT DESIGN TO SUPPORT EXTERNAL LOADS. THE USE OF A RIGID FRAME IS AN ALTERNATIVE TO SUPPORT CROSS-TANK HANGING ELEMENT TO SUSPEND PARTS INTO THE PROCESS FLUID.
Order the ChemTank Cover™ to the widest inside dimension.

MEASURE INSIDE WIDTH OF THE TANK AT THE FRONT, CENTER AND REAR.
ORDER TO THE WIDEST MEASURED DIMENSION.

MOUNT THE BASE/CAP FLUSH TO THE THE WIDEST INSIDE DIMENSION. USE THE INCLUDED RAIL SPACER TO POSITION BOTH RAILS SQUARE AND PARALLEL TO EACH ANOTHER.
**BEFORE YOU BEGIN**

**MEASUREMENTS**

**FASTEN BASE/CAP TO TOP OF TANK SIDE FLUSH AND STRAIGHT TO INSIDE WALL AT THE WIDEST POINT***"FASTENERS NOT INCLUDED"*

**WARNING:**
THE PVC EXTRUSIONS MAY BE SHARP, GLOVES ARE RECOMMENDED.

**USE FASTENERS APPROPRIATE FOR YOUR APPLICATION**

---

**THE BASE/CAP EXTRUSION IS DESIGNED TO PERFORM TWO FUNCTIONS.**
1) MOUNTING BASE FOR THE RAIL EXTRUSIONS
2) COVER FOR THE RAIL EXTRUSION CABLE CHANNEL

---

**BASE/CAP STRAIGHT AND PARALLEL**

**WIDEST POINT**
MEASURE, MARK, & CUT DESIRED LENGTHS. CUTS SHOULD BE CLEAN AND MAINTAIN A SQUARE 90° MITER

CAUTION: THE PVC EXTRUSIONS MAY BE SHARP, GLOVES ARE RECOMMENDED.
**CAUTION**

CAUTION: THE PVC EXTRUSIONS MAY BE SHARP, GLOVES ARE RECOMMENDED.

**USE FASTENERS APPROPRIATE FOR YOUR APPLICATION**

**INSTALLATION**

USING THE RAIL SPACING TEMPLATE
POSITION THE BASE/CAP
SQUARE AND PARALLEL THEN
FASTEN TO TANK
** "FASTENERS NOT INCLUDED"**
** DETAIL A DOVE TAIL CONNECTION

** DOVE TAIL CONNECTION

IF REQUIRED FOR PIPE CLEARANCE, SLIDE THE PVC RISER ONTO THE BASE/CAP EXTRUSION

THE RISER EXTRUSION PROVIDES 4.50" OF HEIGHT TO RUN PIPING AND EQUIPMENT OVER THE TANK EDGE AND STILL REMAIN BELOW THE CHEMTANK COVER

OVERLAP EXTRUSIONS IN A BRICK PATTERN TO MAINTAIN STABILITY

WARNING: THE PVC EXTRUSIONS MAY BE SHARP, GLOVES ARE RECOMMENDED.

(See Appendix Pg. 54 for T-Nut Details)

CAUTION: THE PVC EXTRUSIONS MAY BE SHARP, GLOVES ARE RECOMMENDED.
REPEAT PLACEMENT OF THE RISER EXTRUSION ON THE OPPOSITE SIDE, BY SLIDING INTO THE BASE/CAP EXTRUSION DOVE TAIL CONNECTION PER PREVIOUS PAGE

T-SLOT POSITIONED OUTSIDE OF TANK

WARNING: THE PVC EXTRUSIONS MAY BE SHARP, GLOVES ARE RECOMMENDED.

OVERLAP EXTRUSIONS IN A BRICK PATTERN TO MAINTAIN STABILITY

CAUTION: THE PVC EXTRUSIONS MAY BE SHARP, GLOVES ARE RECOMMENDED.
MEASURE FOR THE REMAINING RISER EXTRUSIONS, GIVE ANY ANCILLARY PIPING A 0.25" CLEARANCE TO MINIMIZE CONTACT

WARNING: THE PVC EXTRUSIONS MAY BE SHARP, GLOVES ARE RECOMMENDED.

OVERLAP EXTRUSIONS IN A BRICK PATTERN TO MAINTAIN STABILITY
MEASURE, MARK, & CUT DESIRED LENGTHS. CUTS SHOULD BE CLEAN AND MAINTAIN A SQUARE 90° MITER

CAUTION: THE PVC EXTRUSIONS MAY BE SHARP, GLOVES ARE RECOMMENDED.
SLIDE THE CUT TO LENGTH
RISER EXTRUSIONS INTO
THE BASE/CAP EXTRUSION

OVERLAP EXTRUSIONS
IN A BRICK PATTERN TO
MAINTAIN STABILITY

WARNING:
THE PVC
EXTRUSIONS
MAY BE SHARP,
GLOVES ARE
RECOMMENDED.

CAUTION: THE PVC EXTRUSIONS MAY BE SHARP,
GLOVES ARE RECOMMENDED.
** DETAIL AG DOVE TAIL CONNECTION

CAUTION: THE PVC EXTRUSIONS MAY BE SHARP, GLOVES ARE RECOMMENDED.

THE RAIL EXTRUSION MAY BE USED SOLO IF THERE IS NO OVER THE EDGE FEATURES ON A TANK. THE RAIL EXTRUSION PROVIDES COVER RETENTION AND DRIVE CABLE CONTROL.
SLIDE THE CUT TO LENGTH RAIL EXTRUSIONS INTO THE BASE/CAP EXTRUSION

OVERLAP EXTRUSIONS IN A BRICK PATTERN TO MAINTAIN STABILITY

WARNING: THE PVC EXTRUSIONS MAY BE SHARP, GLOVES ARE RECOMMENDED.

CAUTION: THE PVC EXTRUSIONS MAY BE SHARP, GLOVES ARE RECOMMENDED.
INSTALLATION

OVERLAP EXTRUSIONS IN A BRICK PATTERN TO MAINTAIN STABILITY

SLIDE THE PVC RAIL EXTRUSIONS INTO THE RISER EXTRUSION DOVE TAIL FEATURE

RAIL EXTRUSION

T-SLOTS TO THE OUTSIDE OF TANK

SHADE CHANNEL

DETAIL B DOVE TAIL

RAIL EXTRUSION

WARNING:
THE PVC EXTRUSIONS MAY BE SHARP, GLOVES ARE RECOMMENDED.

CAUTION

CAUTION: THE PVC EXTRUSIONS MAY BE SHARP, GLOVES ARE RECOMMENDED.
MEASURE BOTH SIDES TO DETERMINE THE LENGTH OF RAIL EXTRUSION THAT IS REQUIRED.
Note: There should be no gaps in the rail extrusion.

WARNING: PVC EXTRUSIONS MAY BE SHARP, GLOVES ARE RECOMMENDED.

CAUTION: THE PVC EXTRUSIONS MAY BE SHARP, GLOVES ARE RECOMMENDED.
MEASURE, MARK, & CUT DESIRED LENGTHS. CUTS SHOULD BE CLEAN AND MAINTAIN A SQUARE 90° MITER

A RECIPROCATING SAW IS NOT RECOMMENDED FOR CUTTING THE RAIL EXTRUSION. THE AGGRESSIVE CUTTING ACTION MAY FRACTURE THE EXTRUSION.

CAUTION: THE PVC EXTRUSIONS MAY BE SHARP, GLOVES ARE RECOMMENDED.
** Overlap extrusions in a brick pattern to maintain stability.

Slide the cut to length rail extrusions into the riser extrusions.

** Staggered brick pattern of the PVC extrusions. No shared seams.

** CAUTION **

CAUTION: The PVC extrusions may be sharp, gloves are recommended.

WARNING: The PVC extrusions may be sharp, gloves are recommended.
ON THE OPERATING SIDE, WHERE THE CANISTER IS TO BE MOUNTED, USE A HAND FILE TO CAREFULLY CREATE A CHAMFER ON THE LEADING EDGE OF THE SHADE CHANNEL PROFILE IN THE RAIL EXTRUSIONS. THIS WILL ALLOW THE SHADE RETENTION BUTTONS TO FEED UNOBSERVED INTO THE SHADE CHANNEL PROFILE.

WARNING: THE PVC EXTRUSIONS MAY BE SHARP, GLOVES ARE RECOMMENDED.

CAUTION: THE PVC EXTRUSIONS MAY BE SHARP, GLOVES ARE RECOMMENDED.
THERE ARE MANY VARIATIONS IN MOUNTING THE CHEMTANK COVER. THE CANISTER MOUNT ASSEMBLIES WILL ALLOW FOR A VARIETY OF MOUNTING OPTIONS, BUT UNFORTUNATELY NOT ALL SCENARIOS WILL BE ACCOUNTED FOR. IT IS THE RESPONSIBILITY OF THE INSTALLER TO ENSURE THAT THE CANISTER MOUNTING ASSEMBLIES ARE PROPERLY SECURED. THIS MAY REQUIRE ADDITIONAL HARDWARE AND BRACKETS*
*NOTE: ANY COMPONENTS NOT INCLUDED, ARE TO BE PROVIDED BY THE INSTALLER.

**Any dimensions noted in the product guide are approximate: Fine adjustments may be required.
WHEN UTILIZING THE RISER EXTRUSION
ATTACH DRIVE CANISTER
MOUNTING CHANNEL
TO THE END OF TANK
FASTEN WITH APPROPRIATE
HARDWARE (not included)
APPROXIMATELY 3.97” [100.8mm]
FROM TOP OF TANK.
WITHOUT RISER
8.47” [215.1mm]

POSITION CHANNELS
OUTWARD AS FAR TO
THE SIDES OF THE TANK
AS POSSIBLE.

**Any dimensions noted in the product guide are approximate:
Fine adjustments may be required.

* Note: This dimension is different than the shelf dimension in the following instructions.
WHEN UTILIZING THE RISER EXTRUSION
ATTACH MOUNTING PLATE
TO THE DRIVE CANISTER
MOUNTING CHANNEL
AND FASTEN
3.97" [100.8] FROM TOP
OF TANK
WITHOUT RISER
8.47" [215.1mm]

**All dimensions in
the product guide
are approximate:
Fine adjustments
may be required.
**INSTALLATION**

**ATTACH MOUNTING SHELF TO THE MOUNTING PLATE WITH SCREWS PROVIDED. TIGHTEN TO SECURE**

**ENSURE THAT MOUNTING SHELVES ARE LEVEL**

**CANISTER SHELF TO TOP OF TANK WITHOUT RISER EXTRUSION:**
8.34" [212.0 mm]

**CANISTER SHELF TO TOP OF TANK WITH RISER EXTRUSION:**
3.84" [97.5 mm]

**All dimensions in the product guide are approximate: Fine adjustments may be required.**
USE THE CLOSE-OFF PANEL WITH INDEXING TABS, TO VERIFY SHELF LOCATION.

A) REST PANEL ONTO SHELVES

B) ALIGN TABS INTO SHADE CHANNEL

ENSURE THAT MOUNTING SHELVES ARE LEVEL
INSTALLATION

CLOSE-OFF PANEL With Indexing Tabs

USE THESE INDEXING TABS TO VERIFY CANISTER SHELF HEIGHT

SET ONTO THE MOUNTING SHELF

INDEX TO RAIL EXTRUSION SHADE CHANNEL

3.84” [97.5 mm]

INDEX TO RAIL EXTRUSION SHADE CHANNEL

8.34” [212.0 mm]

MOUNTING SHELF

CANISTER WALL

SPACING WITH RISER EXTRUSION

SPACING WITHOUT RISER EXTRUSION

AFTER POSITIONING, SAVE THE CLOSE-OFF PANEL FOR LATER ASSEMBLY STEP
PLACE DRIVE CANISTER ONTO SUPPORT SHELVES. LIFTING POINTS FOR HOISTING ARE LOCATED ON EACH END, IF REQUIRED.
CENTER THE DRIVE CANISTER ON SUPPORT SHELVES. THE END PLATES OF THE CANISTER SHOULD BE FLUSH TO THE RAIL EXTRUSIONS.

CANISTER SIDE FLUSH TO RAIL EXTRUSION

DETAIL C
CLAMP CHEMTANK COVER CANISTER TO THE MOUNTING SHELVES

- TOP CLAMP
- CLAMP SCREW
- BOTTOM CLAMP
INSERT IDLER ASSEMBLIES INTO THE RAIL EXTRUSION.
IDLER WHEELS TO THE INSIDE OF THE RAILS.
A "LIGHT" TAPPING WITH A RUBBER MALLET MAY BE REQUIRED.
NO FASTENERS NEEDED.

CAUTION
CAUTION: Cut cable ends result in sharp edges, gloves are recommended. Protect cut edge per your company's safety protocol.
FEED THE SHADE/Cover INTO THE RAIL EXTRUSION. ENSURE THAT THE COVER RETAINING BUTTONS FEED EVENLY INTO THE PROPER SHADE CHANNEL SLOt ON BOTH SIDES.
LOCATE THE DRIVE CARRIAGES
ONE FOR OPERATOR LEFT
ONE FOR OPERATOR RIGHT

VIEW FROM
REAR OF TANK
PLACE DRIVE CARRIAGES INTO RAIL PROFILES (BOTH SIDES, MIRRORED)

LIFT LEAD BAR AND PLACE IN THE CARRIAGE CRADLE

CARRIAGE BAR CRADLE

SET CARRIAGE INTO THE RAIL EXTRUSION AT THIS LOCATION (HATCHED)

SHADE CHANNEL

CANISTER THIS WAY — POINT TO CANISTER

CARRIAGE ASSEMBLIES WHEN SET INTO THE RAIL, THE LOWER STAINLESS STEEL BRACKETS POINT TOWARD THE CANISTER
CONNECT DRIVE CARRIAGES TO THE LEAD BAR. REPEAT PLACEMENT AND CONNECTION ON OPPOSITE SIDE.

INSERT AND TIGHTEN LEAD BAR TO CARRIAGE. REPEAT TO INSTALL OPPOSITE SIDE CARRIAGE.
POSITION CABLES.
REPEAT ON OPPOSITE SIDE.

ROLL OUT CABLE
AND LAY INTO
LOWER RAIL
PROFILE
TROUGH

LOOP CABLE UNDER
THE IDLER & RETURN
ACROSS THE TOP OF
RAIL PROFILE. ENSURE
THAT THE CABLE ENGAGES
THE IDLR WHEEL GROOVE.

VIEW FROM
REAR OF TANK

DETAIL R

© 2019 DYNATECT MANUFACTURING, INC.
ROUTE CABLES THRU THE DRIVE PULLEY. REPEAT ON OPPOSITE SIDE USING THE SAME IN-LINE SLOT.

ENSURE THAT CABLES STAY IN UPPER AND LOWER TROUGHS.

ROUTE CABLE THRU PULLEY SLOT. REPEAT ROUTING ON OPPOSITE SIDE.

CABLE POSITIONED IN PULLEY SLOT

VIEW FROM REAR OF TANK
DRAW CABLES INWARD TO EACH OTHER TILL THEY ARE TAUT. EXCESSIVE FORCE WILL REDUCE COVER OPENING.

PULL CABLES TAUT AND TIGHTEN CABLE CLAMP TO SECURE CABLE ENDS 1/4" HEX NUTS

VIEW FROM FRONT OF TANK. CANISTER END
**INSTALLATION**

**CAUTION**

CAUTION: Cut cable ends result in sharp edges, gloves are recommended. Protect cut edge per your company’s safety protocol.

**WARNING:**

THE CUT CABLE MAY BE SHARP, GLOVES ARE RECOMMENDED.

TRIM LOOSE CABLE ENDS TO TEN TO TWELVE (10-12") AND SECURE WITH INCLUDED STAINLESS HOSE CLAMPS

VIEW FROM FRONT OF TANK. TANK REMOVED FOR CLARITY.
INSTALL CANISTER COVER
FOUR (4) HOLES IN THE YELLOW
CANISTER COVER ALIGN
WITH HOLES IN THE CANISTER
TUBES. TEXT POSITIONED INSIDE.
USE INCLUDED FASTENERS

VIEW FROM
REAR OF TANK
**INSTALLATION**

ATTACH IDLER END CLOSE-OFF PANEL USING PROVIDED FASTENERS (4)

FASTEN TWO (2) PLACES EACH SIDE

PUSH FASTENER

DETAIL V

MOUNTING HOLES
OVERLAP EXTRUSIONS IN A BRICK PATTERN TO MAINTAIN STABILITY

THE BASE/CAP EXTRUSION IS DESIGNED TO PERFORM TWO FUNCTIONS:
1) MOUNTING BASE FOR THE RAIL EXTRUSIONS
2) COVER FOR THE RAIL EXTRUSION CABLE CHANNEL

INSTALLATION OF THE BASE/CAP EXTRUSION
1) MEASURE AND CUT BASE/CAP EXTRUSIONS PER INSTRUCTIONS ON PAGES #10 & #11
2) SNAP OR SLIDE THE BASE/CAP EXTRUSIONS ONTO RAIL EXTRUSION CABLE RETURN CHANNEL

AS AN OPTION, THE BASE/CAP MAY BE POSITIONED TO COVER THE IDLER ASSEMBLIES
**TANK OPENING WIDTH**

**TANK OPENING LENGTH**

**LEADING EDGE**

2.00" [50.8mm]

**RAIL WIDTH**

2.063 [52.5 mm]

**RAIL HEIGHT**

11.250 [285.5 mm]

**RISER HEIGHT**

4.500 [114.5 mm]

**CANISTER HEIGHT**

25.50 [628.0 mm]

**NOTE: ChemTank Covers are ordered by the tank opening WIDTH and LENGTH**

**RECOMMENDED NOT TO EXCEED 53.750 [1365.0] FOR ERGONOMIC OPERATION**

**RECOMMENDED OPERATING AREA OFF THE END OF TANK**

**TANK OPENING LENGTH**

**RAIL WIDTH**

2.063 [52.5 mm]

**RAIL HEIGHT WITH RISER**

11.250 [285.5 mm]

**RISER HEIGHT**

4.500 [114.5 mm]

**NOTE: ChemTank Covers are ordered by the tank opening WIDTH and LENGTH**

**DIMENSIONS WITH RISER AND OVER THE TANK IDLER**

**RAIL WIDTH**

2.063 [52.5 mm]

**RAIL HEIGHT**

11.250 [285.5 mm]

**RISER HEIGHT**

4.500 [114.5 mm]

**NOTE: ChemTank Covers are ordered by the tank opening WIDTH and LENGTH**

**DIMENSIONS WITH RISER AND OVER THE TANK IDLER**

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2.063 [52.5 mm]

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11.250 [285.5 mm]

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4.500 [114.5 mm]

**NOTE: ChemTank Covers are ordered by the tank opening WIDTH and LENGTH**
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DIMENSIONS WITHOUT RISER AND OFF THE TANK IDLER

```
**TANK OPENING WIDTH**

RAIL WIDTH
2.063 [52.5 mm]

**TANK OPENING LENGTH**

LEADING EDGE
2.00" [50.8 mm]

**NOTE:**

Canister height
25.50 [628.0 mm]

Riser height (without riser)
6.719 [170.5 mm]

IDLER EXTENDS A MINIMUM OF
5.500" [140.0 mm] BEYOND THE END OF TANK.

ERGONOMIC OPERATION MAY BE COMPROMISED LOWER THAN
49.000 [1244.5 mm]

**TAN**

**K**

**OP**

**EN**

**GW**

**IDTH**

RAIL HEIGHT WITHOUT RISER
6.719 [170.5 mm]

RECOMMENDED OPERATING AREA OFF THE END OF TANK

36.500 [927.0 mm]
```
TO CLOSE THE COVER, LIFT THE LEFT SIDE OF THE YELLOW CANISTER LID TO EXPOSE THE OPERATING HANDLE.

ROTATE THE HANDLE IN THE DIRECTION INDICATED BY THE SIDE MOUNTED ARROW. UNTIL THE COVER TRAVELS TO THE FAR END OF THE TANK. STOP WHEN THE COVER IS CLOSED.

PLEASE NOTE: The canister is designed to extend out with the handle on the operator left side and retract in with the handle on the operator right side. There are multiple arrows on each side illustrating the correct direction of rotation. Incorrect rotation is easily verified visually, even after a quarter turn, that the cover does not move. If this is the case, stop and review the rotation arrow guidance. If the handles are rotated the opposite direction from what the arrows show, the cables become lax, unwind, may tangle, and if rotated enough times under severe negligence could potentially reverse wind the cable.
CLOSE OPERATION ARROWS LOCATED ON LEFT SIDE OF CHEMTANK COVER

OPEN OPERATION ARROWS LOCATED ON RIGHT SIDE OF CHEMTANK COVER


IMPORTANT!!

PLEASE NOTE: The canister is designed to extend out with the handle on the operator left side and retract in with the handle on the operator right side. There are multiple arrows on each side illustrating the correct direction of rotation. Incorrect rotation is easily verified visually, even after a quarter turn, that the cover does not move. If this is the case, stop and review the rotation arrow guidance. If the handles are rotated the opposite direction from what the arrows show, the cables become lax, unwind, may tangle, and if rotated enough times under severe negligence could potentially reverse wind the cable.

DETAIL AY TO OPEN THE COVER, LIFT THE RIGHT SIDE OF THE YELLOW CANISTER LID TO EXPOSE THE OPERATING HANDLE.

ROTATE THE HANDLE IN THE DIRECTION INDICATED BY THE SIDE MOUNTED ARROW UNTIL THE COVER TRAVELS TO THE FULLY OPEN POSITION. STOP WHEN THE COVER IS CLOSED.
Connect a good quality cordless drill to the drill/driver assembly.

The drill/driver has a five-sided pin designed to insert into the mating shape on the drive wheel assembly.
**OPERATION**

**DETAIL BA**

To close the cover, lift the left side of the yellow canister lid to expose the operating handle. If the handle is installed, you must remove the handle prior to drill driver actuation.

Using the drill-driver, rotate the drive wheel assembly in the direction indicated by the side-mounted arrow. Until the cover travels to the far end of the tank, stop when the cover is closed.

**IMPORTANT!!**

**DRIVE WHEEL ASSEMBLY**

**REMOVE HANDLE PRIOR TO USING THE DRILL DRIVER FOR COVER ACTUATION**

**REMOVE HANDLE FROM DRIVE WHEEL ASSEMBLY USING A 1/4" HEX DRIVER**

**IMPORTANT!!**

ChemTank Cover™ "Drill-Driver" Close Operation

- Remove handle prior to using the drill driver for cover actuation.
- Drive the left drive wheel assembly in the direction of the side-mounted arrow. The cover will move into the closed position.

**IMPORTANT!!**

The canister is designed to extend out with the handle on the operator left side and retract in with the handle on the operator right side. There are multiple arrows on each side illustrating the correct direction of rotation. Incorrect rotation is easily verified visually, even after a quarter turn, that the cover does not move. If this is the case, stop and review the rotation arrow guidance. If the handles are rotated the opposite direction from what the arrows show, the cables become lax, unwound, and may tangle, and if rotated enough times under severe neglect could potentially reverse wind the cable.
TO OPEN THE COVER, LIFT THE RIGHT SIDE OF THE YELLOW CANISTER LID TO EXPOSE THE OPERATING HANDLE. IF THE HANDLE IS INSTALLED, YOU MUST REMOVE THE HANDLE PRIOR TO DRILL DRIVER ACTUATION.

USING THE DRILL DRIVER, DRIVE THE DRIVE WHEEL ASSEMBLY IN THE DIRECTION INDICATED BY THE SIDE MOUNTED ARROW UNTIL THE COVER TRAVELS TO THE FULLY OPEN POSITION. STOP WHEN THE COVER IS CLOSED.
RETURN PROCEDURES

Commercial responsibilities for returning the ChemTank Cover™ to Dynatect for repair/replacement are subject to the terms and conditions of sale. To initiate the return process, please complete a Dynatect Return Authorization Request form and email it to sales@dynatect.com or fax it to 262-786-3280. The form can be secured by contacting a sales representative or Dynatect directly at: 262-786-1500 / 800-298-2066 Email: sales@dynatect.com

An RA number will be provided promptly after receipt of this form.

WARRANTY

Dynatect’s ChemTank Cover™ Warranty is outlined per Dynatect’s standard Terms and Conditions of Sale, which can be found at: https://dynatect.com/wp-content/uploads/terms_conditions.pdf

ROUTINE MAINTENANCE

Inspect the following on a monthly basis:

- Inspect the drainage pan port, located in bottom of the canister, to make sure it is not clogged.
- Inspect any exposed fasteners for tightness.
- Inspect the shade channel for any crystallization. Any buildup should be removed.
- Inspect the shade for damage. Contact Dynatect for replacement.
- Inspect where shade attaches to the lead bar for any damage. Contact Dynatect for replacement.
- Inspect where shade attaches to the drum for any damage. Contact Dynatect for replacement.
- Inspect cables for any damage. Damaged or frayed cables should be replaced.
- Inspect canister cover for any damage. Replace as needed.
- Inspect PVC rail components for wear or cracks. Identify the cause and prevent recurrence. Repair or replace. See Appendix.
**APPENDIX – FREQUENTLY ASKED QUESTIONS**

Q: **WHAT ARE THE T-SLOTS IN THE EXTRUSIONS USED FOR?**

T-Slots are pre-molded into the sides of extrusions. These are not required for any mounting of the ChemTank Cover but are provided as a convenience. These can optionally be used for incidental mounting for bracing/alignment of plumbing/accessories, but are not intended to be load bearing.

If any significant weight is applied to the extrusions there is a risk of extrusion deformation and ultimate misalignment of the cover or breakage.

The T-slots will accommodate T-Nut hardware of popular brands of up to 5/16” [8mm] for mounting ancillary components per the guidelines above.
Q: WHAT ARE THE RISKS OF OVER-TRAVEL?

Whether operating the ChemTank Cover manually or with the optional drill interface, care should be taken not to over-travel at full speed. As the cover reaches within 1 foot of the end of travel, the operator should intentionally slow down to stop the cover travel at appropriate positions. It is fine to keep slowly rolling until the light resistance of an end position is reached. If the shade repeatedly hits the end positions at full speed, there is a risk that the cover will tear off either at the shade drum or the lead bar. If this tearing occurs, a replacement shade can be ordered using the ChemTank Cover part number engraved on the inside of the canister cover.

Q: WHAT ARE THE RISKS OF ROTATING THE CANISTER THE WRONG DIRECTION

The canister is designed to extend out with the handle on the operator left side and retract in with the handle on the operator right side. There are multiple arrows on each side illustrating the correct direction of rotation. Incorrect rotation is easily verified visually, even after a quarter turn, that the cover does not move. If this is the case, stop and review the rotation arrow guidance. If the handles are rotated the opposite direction from what the arrows show, the cables become lax, unwind, may tangle, and if rotated enough times under severe negligence could potentially reverse wind the cable.

Q: WHAT SHOULD I DO IF THE COVER ASSEMBLY DOES NOT OPERATE?

- Hand crank does not rotate. Check the gear mesh for obstructions. Clear obstruction.
- Hand crank does not rotate. Check the gear mesh for edge to edge contact. Use a file or knife to taper interfering edge(s).
- Hand crank does not rotate. Check the Cover’s Button Retainer transition into the Rail Extrusion. Use a file or knife to taper interfering edge(s).
- Cable is wound incorrectly. Carefully unwind and rewind as per the ChemTank Cover Product Guide.
- Cable is broken. Contact Dynatect for replacement cables.
- Cable is not in the rail extrusion. Reposition cable.
- Cable is not in the idler assembly. Reposition cable.
- The cover leading edge is stuck on a foreign object. Clear the obstruction, then check for any damage from the contact.
REPLACEMENT COMPONENTS

All side components are stocked items, that can be sent out quickly. These include:

- 8-foot PVC Rail Kits (Dynatect #AA07431)
- SS Drive Cables (Dynatect #PN0422977-141)
- Idler Assemblies (Dynatect #PN042977-130 & -131)
- Cable Carriages (Dynatect #PN042977-132 & -133)

Any WIDTH related components are made per order and can be ordered by referencing the unique part number embossed inside the top canister cover. These include:

- PVC Fabric Cover Assembly
- SS Leading Edge Tube
- Yellow PE Canister Cover
Note: This is assembled as a mirror of PN0422977-131

IDLER ASSEMBLY-A
PN0422977-130
Note: This is assembled as a mirror of PN0422977-130

IDLER ASSEMBLY-B
PN0422977-131
Note: This is assembled as a mirror of PN0422977-133

CABLE CARRIAGE-A
PN0422977-132
REPLACEMENT PARTS

Note: This is assembled as a mirror of PN0422977-132

CABLE CARRIAGE-B
PN0422977-133
CABLE, SS, 316 GR., .063" OD X 150', FLEX, WIRE, LOOP
PN0422977-141
**Replacement Parts**

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These components are not sold individually.
## BILL OF MATERIALS

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*PNxxxxxxx* Non-stocked width based
Part number unique to your ChemTank Cover
REPLACEMENT PARTS

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"PNxxxxxxx" Non-stocked width based
Part number unique to your ChemTank Cover

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