



ASSEMBLY INSTRUCTIONS

COMMERCIAL SYSTEMS FGC/C20', FGC/C25', FGC/C30' and FGC/C12' (Lap Pool)

PLEASE READ ENTIRE INSTRUCTIONS CAREFULLY BEFORE PROCEEDING

Four Easy Steps:

If you need additional assistance: E-mail us at info@feherguard.com or call Monday to Friday 905-876-4766 during business hours 8:30 a.m. to 5:00 p.m. Eastern Time.

REEL SYSTEM COMPONENTS AND PREPARATION:

Ensure your system has the quantity of cartons shown below, consisting of one end set and one tube set. 3 people make assembly easier.

Tools required for assembly:

- Electric drill
- Tape measure, pencil and scissors
- 7/13" wrench
- 3/4" wrench

Tube Carton check list:

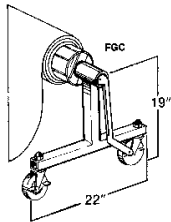
C20 - 1 end carton and 1 tube carton	72lbs
C25 - 1 end carton and 2 tube cartons	83lbs
C30 - 1 end carton and 2 tube cartons	95lbs
C12 - 1 end carton and 1 tube carton	48lbs

End Carton Parts List:

2 'T' Ends	4 Casters
1 Handle	1 Axle
	2 Bolts
Hardware Kit:	
15 - 5' Straps	1 Driver Bit
30 Strap plates	15 Nylon fasteners
17 #12 tek screws	24 #14 tek screws

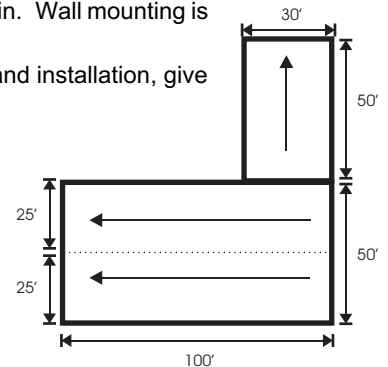
STEP 1: SOLAR REEL PLACEMENT:

- Before assembling the reel, determine its best location on the pool (see Fig. 1). The end of the pool is most often the preferred location. On some pools, a mid-point location may be required to prevent dragging the blanket over the deck or avoid diving boards and ladders. Small blanket extensions may be folded in. Wall mounting is possible by removing the casters.
- Trim blanket to clear inside edges of pool by 1/2". Upon completion of reel assembly and installation, give blanket a final trim.



FGC/C20 - Maximum recommended cover size - 20' x 125' (150lbs.)
 FGC/C25 - Maximum recommended cover size - 25' x 100' (150lbs.)
 FGC/C30 - Maximum recommended cover size - 30' x 80' (140lbs.)
 FGC/C12 - Maximum recommended cover size - 11' x 125' (82.5lbs.)

Fig. 1



STEP 2: TUBE ASSEMBLY

- At the reel placement location, measure the maximum width of cover. (Do NOT count pieces which may be folded in). Insert the smaller end tubes an equal distance into the center tube making sure that the end plugs are on the outside (see Fig. 2). Extend end tubes equally, approximately 1 foot longer than this cover width. Always ensure minimum insertion (see Fig. 4). Less than minimum insertion will cause tubes to loosen and/or split.

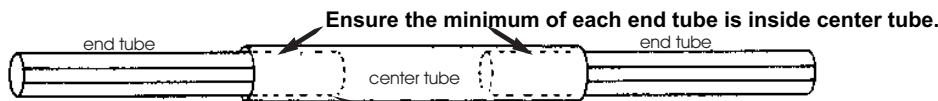


Fig. 3

Plugged End Tube



Fig. 2

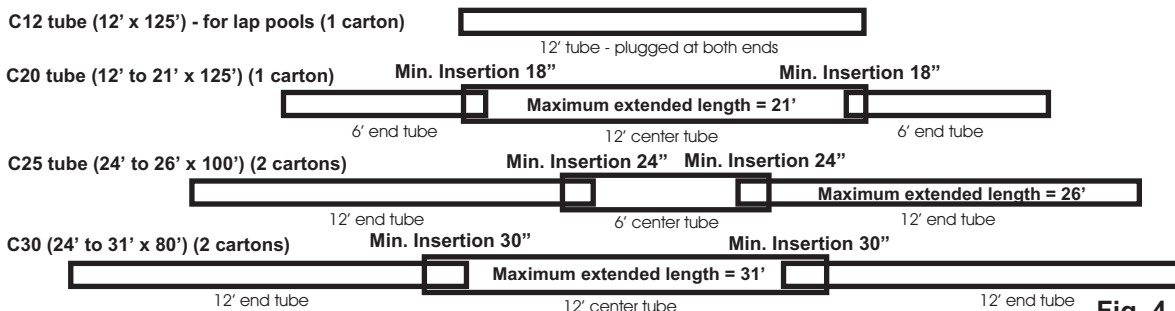


Fig. 4

STEP 2: TUBE ASSEMBLY CONTINUED

Each tube join requires a total of 12 - #14 self-drilling screws. **Do not pre-drill holes or over-tighten screws.**

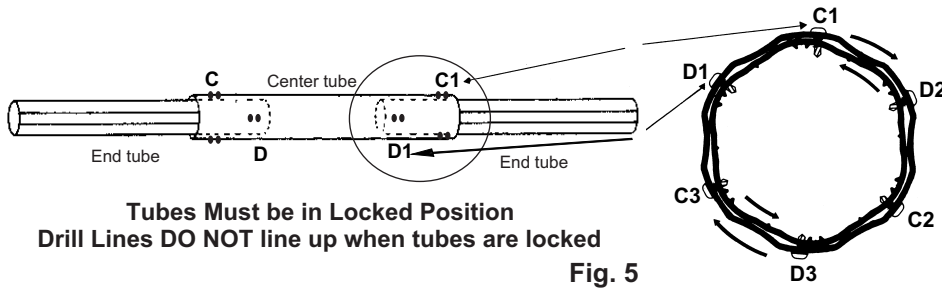


Fig. 6

B. Lock tubes together by rotating the center tube in the opposite direction to end tube. **HOLD TUBES LOCKED WHILE YOU INSTALL 2 SELF-DRILLING SCREWS ON A DRILL LINE, 1" (2.5 cm) back from end of center tube at location "C1"** (Fig. 5 & 6).

C. Place 4 more self-drilling screws at Location "C2" and "C3" - 2 screws at every second drill line around tubes (see Fig. 5).

D. At "D" locations, install 6 screws around the center tube at every second drill line, 1" (2.5 cm) back from where you marked the end of the inner tube (see Fig. 5).

E. Repeat for other end tube.

F. Insert 1 #12 self drilling screw approximately 1" from end of each end tube - through 'lip' of plug. (see Fig. 7)



STEP 3: ASSEMBLE ENDS

A. Install the 4 locking casters into the "T" stands using nuts and washers provided.

B. Insert the handle through the bearings in the stand.

C. Then insert shaft into the plug in the end tube. Line up the hole in the plug with the hole in the shaft, insert the 1 1/2" x 1/4" bolt through both and tighten nut.

D. REPEAT this step using axle shaft at the other end.

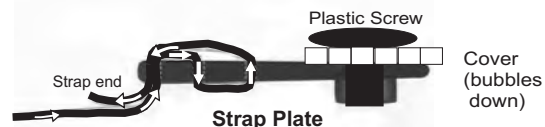
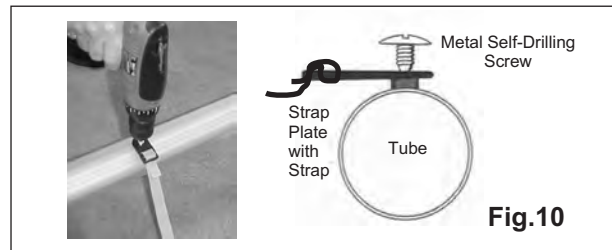
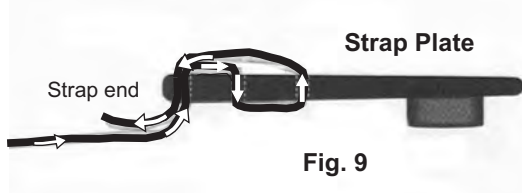
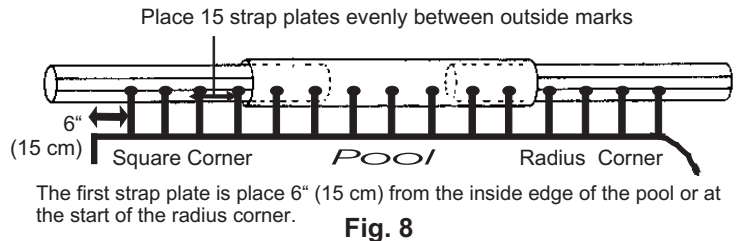
STEP 4: BLANKET ATTACHMENT

A. Mark each end tube 6" (15 cm) in from the inside edge of top rail of pool. Strap plates are spaced evenly between these marks. Mark strap plate locations along drill lines. Use all straps provided.

B. Attach a strap plate to each end of all straps (see Fig.9).

C. Attach strap plates to tube (see Fig. 10). **DO NOT pre-drill holes or over-tighten screws.**

D. Adjust strap lengths to roll up evenly.



Attach cover end of strap to plate (see Fig. 9) then pierce hole through cover, 1" (2.5 cm) back from edge and directly below strap plate on tube. Push plastic screw through hole in cover and tighten snugly into plate.



Fig. 11

Safe Use of Your Solar Reel:

- Solar Reel systems are designed solely to remove solar blankets and are not designed to support people or any other weight. They must be completely removed from the pool before entry into the pool.
- Under no circumstances, should one swim in a pool partially covered with the solar blanket.

Care and Storage:

Check screws periodically and tighten, if necessary. The solar reel may be stored outside for the winter. It is not recommended to disassemble it for storage inside.

ACCESSORIES AVAILABLE FROM YOUR DEALER:



FG-FASPAK
Tube & Blanket Fastening Kit
 (10 sets tube & blanket fasteners / pouch)
FG-FASKIT (CARTON)



FG-BS2
Blanket Straps
 (2 x 54" / pouch)



FG-RS50
Reel Strapping
 (1 - 50' roll)



FG-PFS
Tube & Blanket Fasteners
 (10 Sets / pouch)



FG-WPS
White Protective Sheet
 (24' x 3 1/2' sheet)

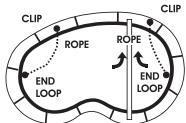


FG-MPR
Mid-Grip Pull Rope
 (see information below)

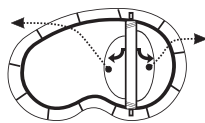


FG-RS26
Reel Straps
 (10 / pouch)

Take a look at our Website: www.feherguard.com



Clips to side for easier access when cover is rolled.



Makes pulling cover onto the pool easier.

MID-GRIP PULL ROPE (FG-MPR) (Available from your Dealer)

For ease of pulling cover on pool, we suggest using the Mid-Grip Pull Rope accessory. This easily attaches to the cover as shown at the left.



VACUUM HOSE REEL (FG-VHG)

Available through your local dealer

- Holds up to 50' of 1 1/2" Vacuum Hose
- Durable polyethylene construction
- Also for Pool Backwash Hose, Electrical Cord (100') or Garden Hose (100')



FG-VHG



Three Year Warranty:

FeherGuard warrants for a period of three years from the date of delivery to the original consumer purchaser, that the Commercial Solar Cover Reel System shall be free from defects in workmanship or material, under normal use and in accordance with FeherGuard's written installation and use instructions. FeherGuard at its option shall supply free of charge any part found to be defective in workmanship or material.

Any implied warranties are limited in duration to the three-year period from the date of delivery to the original consumer purchaser.

This warranty is void if there is evidence of purchaser abuse, improper installation or normal wear.

FeherGuard will not be liable for incidental or consequential damages resulting from any defects in workmanship or material. Some States/Provinces/Countries do not allow the exclusion or limitation of incidental or consequential damages, so the foregoing limitations or exclusions may not apply.

This warranty gives the claimant specific legal rights. The provisions of this warranty are in addition to and not a modification of or a subtraction from the statutory warranties and other rights and remedies contained in applicable local legislation.

To validate warranty, return this registration form within 30 days of purchase. You may also register your warranty online at www.feherguard.com.

Warranty claims should be processed through your Dealer and include your proof of purchase.

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Website: www.feherguard.com E-mail: info@feherguard.com
01/05



Thank you for buying the FeherGuard Commercial solar blanket reel system. We know it will make solar blanket handling easy for you.

"Three Year" Warranty Registration		Please Print
PURCHASER: _____		
ADDRESS: _____		CITY: _____
STATE/PROVINCE: _____		ZIP CODE/POSTAL: _____
MODEL	STORE LOCATION	PURCHASE DATE