

# PROGRESSIVTUBE® SPECIFICATIONS

**GLAZING GASKETS:** A continuous gasket made of special long life EDPM synthetic rubber is compressed by the glazing caps to seal out the weather. The inner glazing spline is made of high-temperature tolerant EPDM.

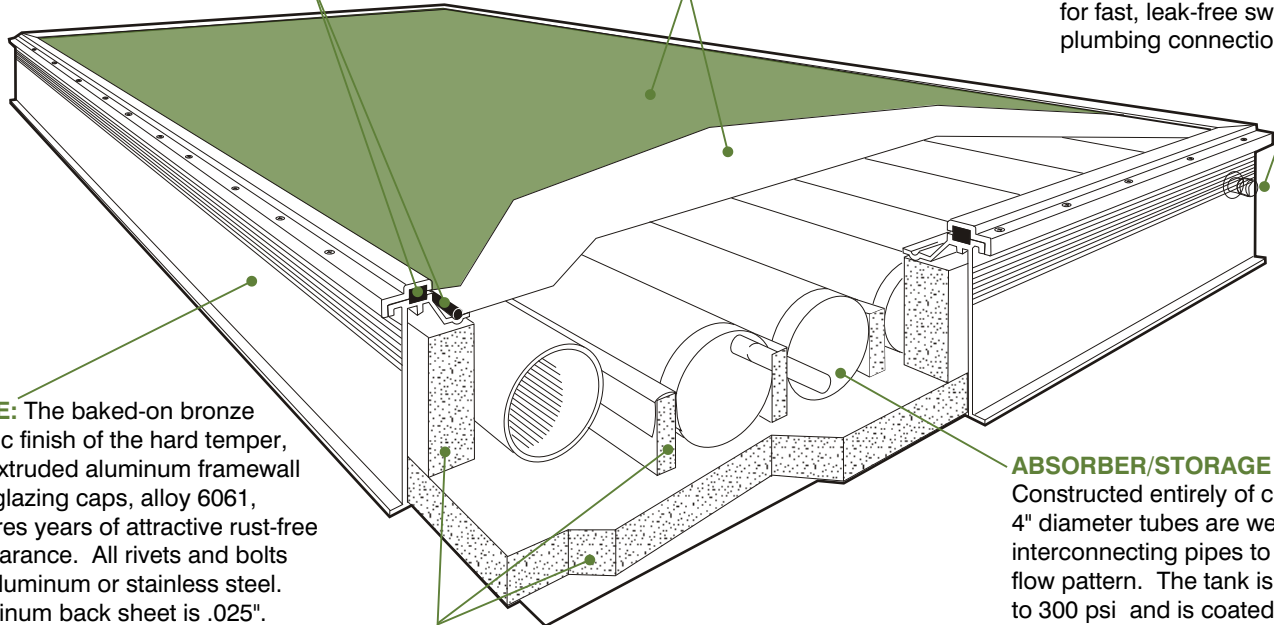
**GLAZING:** Outer glazing is tempered low-iron solar glass with 91% transmittance. Inner glazing is Teflon® film, known for its high temperature tolerance (525°F) and its long term durability and stability, and 96% transmittance. The 3/4" air space between glazings reduces heat loss.

**FLUID CONNECTIONS:** Inlet and outlet connections are made of 3/4" diameter Type "L" hard copper pipes. This allows for fast, leak-free sweat fitting plumbing connections.

**CASE:** The baked-on bronze acrylic finish of the hard temper, T6, extruded aluminum framewall and glazing caps, alloy 6061, assures years of attractive rust-free appearance. All rivets and bolts are aluminum or stainless steel. Aluminum back sheet is .025".

**INSULATION:** Rigid closed cell polyisocyanurate foam board, the most efficient insulation available, is used to maximize heat retention. Sides and ends of the unit have 1.5" board, R-value 10; bottom has 2" board, R-value 14; between tank tubes has 1.5" board, R-value 10.

**ABSORBER/STORAGE TANK:** Constructed entirely of copper, the 4" diameter tubes are welded to the interconnecting pipes to form a series flow pattern. The tank is pressure rated to 300 psi and is coated with a high-temperature "selective" solar radiation absorption surface that maximizes heat gain and reduces heat loss.



## PROGRESSIVTUBE® System Performance Ratings

PROGRESSIVTUBE® and its mounting system have successfully passed static wind load testing to 180 m.p.h.

All PROGRESSIVTUBE® models and/or systems meet the following standards:



Florida Solar Energy Center  
(FSEC - GP - 5 - 80)  
(FSEC - GP - 6 - 80)  
(FSEC - GP - 7 - 80)



ASHRAE 95-87  
Thermal Performance  
Standard for Solar  
Water Heaters



Solar Ratings & Certification Corp.  
SRCC Standard  
200 - 88 (RA 92)  
SRCC OG - 300



\*Uniform Solar Energy Code  
International Association  
of Plumbing &  
Mechanical Officials

MODEL	FSEC Qnet		Florida Energy Factor		SRCC Solar Energy Factor	COST * Installed
	(BTU/day)	(KWH)	North	South/Central		
PT-20-CN	11,600	3.40	2.6	2.9	67.0%	US \$1,925
* PT-30-CN	22,100	6.48	2.6	2.9	67.9%	US \$2,475
* PT-40-CN	28,400	8.33	4.1	4.9	63.4%	US \$2,750
PT-50-CN	28,700	8.42	4.2	5.7	64.1%	US \$3,300

\* Prices as of June 1, 2009