



DRAINBACK HEAT EXCHANGE MODULE

Designed for
Solar Water Heating Systems

Transfers Solar Energy to
a Storage Tank

Provides Automatic and
fail-safe Freeze Protection



List identifying parts in the diagram

1. Radco 410-PHP (4ft by 10ft) solar panel.
2. 10 k sensor.
3. Solar hot water OUT at increased temperature back to reservoir in drainback tank.
4. Cold water IN from utility or well supply.
5. Watts 70A anti-scalding mixing valve.
6. Pentair In-Line temperature gauge.
7. Pressure relief valve vent pipe.
8. Optional Solar Storage tank (not part of the ksdb8 package) can be installed next to existing electric or gas \ heater.
9. Taco 009-F5 pushing 8 gallons of reservoir water up to the solar panel
10. Sensor wire.
11. 4500 watt electric heating element (optional).
12. Pentair flow meter.
13. Solar HOT-IN from drainback heat exchanger.
14. Watts T/P valve.
15. Colder water from bottom of storage tank circulating back through drainback heat exchanger.
16. 8 gallon water reservoir.
17. Internal heat exchanger inside the EDX drainback tank, surrounded by solar-heated water coming from the panel.
18. Delta DDT-94 differential solar controller.
19. Taco 006-B4 circulator is pumping water from the bottom of the solar storage tank through the heat-exchanger into the top of the solar storage tank.
20. Watts530 L pressure relief for drainback reservoir loop.
21. Sensor wire.
22. Incoming reservoir water from the drainback tank.
23. Hot water OUT to place of use.

