

# Drain-Back

## COLD WATER SHUTOFF

- To service hot water system.
- **OPEN** for normal operation.
- **CLOSE** if hot water system needs service.

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## ISOLATION VALVE

- Allows bypass of solar system from backup water heater.
- **OPEN** for normal operation.
- **CLOSE** for bypass of solar.

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## FLOW METER

- Indicates rate of fluid flow through collector loop in gallons/minute.
- Read top of float when pump is on. Correct flow rate for this system is \_\_\_\_\_ gpm.

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## TEMPERING VALVE

- Blends very hot water with cold to prevent scalding.
- Adjustable. Set to same temperature as water heater thermostats.

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## ISOLATION VALVE

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- **OPEN** for normal operation.
- **CLOSE** for bypass of solar.

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## COLLECTOR LOOP-HEAT EXCHANGER DRAIN VALVE

- Used to drain/flush collector loop fluid.
- Normally closed. Should only be opened by qualified service person to drain/flush the collector fluid.
- **DANGER—FLUID NOT DRINKABLE**

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## COLLECTOR LOOP PRESSURE RELIEF VALVE

- Prevents buildup of excess pressure in the solar collector loop.
- Automatic, non-adjustable, set at 75 psi. If fluid runs continually from this valve, call dealer for replacement.

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### TEMPERATURE GAUGE

- Measures temperature of water after pre-heating by the solar system.
- Gauge is accurate when using hot water anywhere in the house.

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### TANK DRAIN

- Used to drain and/or flush the solar storage tank.
- Refer to Monitoring and Maintenance Instructions posted on or near this solar storage tank for required procedure.

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### PUMP ISOLATION VALVE

- Allows isolation of the pump from the circulation loop plumbing.
- **OPEN** for normal operation.
- **CLOSE** for isolation

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### SOLAR SYSTEM CONTROLLER POWER

- **DO NOT UNPLUG** (except to service)

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### PRESSURE REGULATOR

- Limits incoming water pressure to the system.
- Set at 70 psi or less.
- **DO NOT** adjust above 70 psi.

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