

BUFFALO SOLAR WATER HEATER

Installation manual and selfcare

NON-PRESSURIZED SYSTEM

WATER FILTER(OPTIONAL)

GATE VALVE

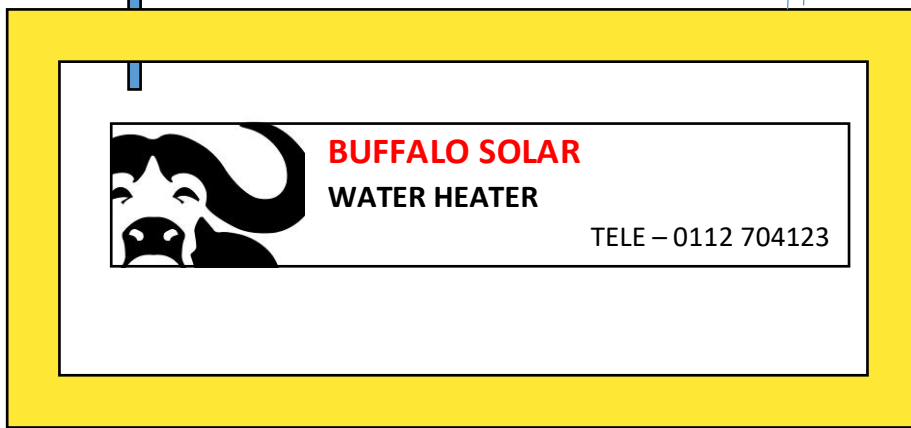
NON-RETURN VALVE

COOL WATER INN

VENTILATION

HOT WATER OUT

ELECTRIC HEATER



PRESSURIZED SYSTEM – model 1

01) DIRECT WATER LINE USERS ONLY

SUB TANK

BALL VALVE

VENTILATION

GATE VALVE

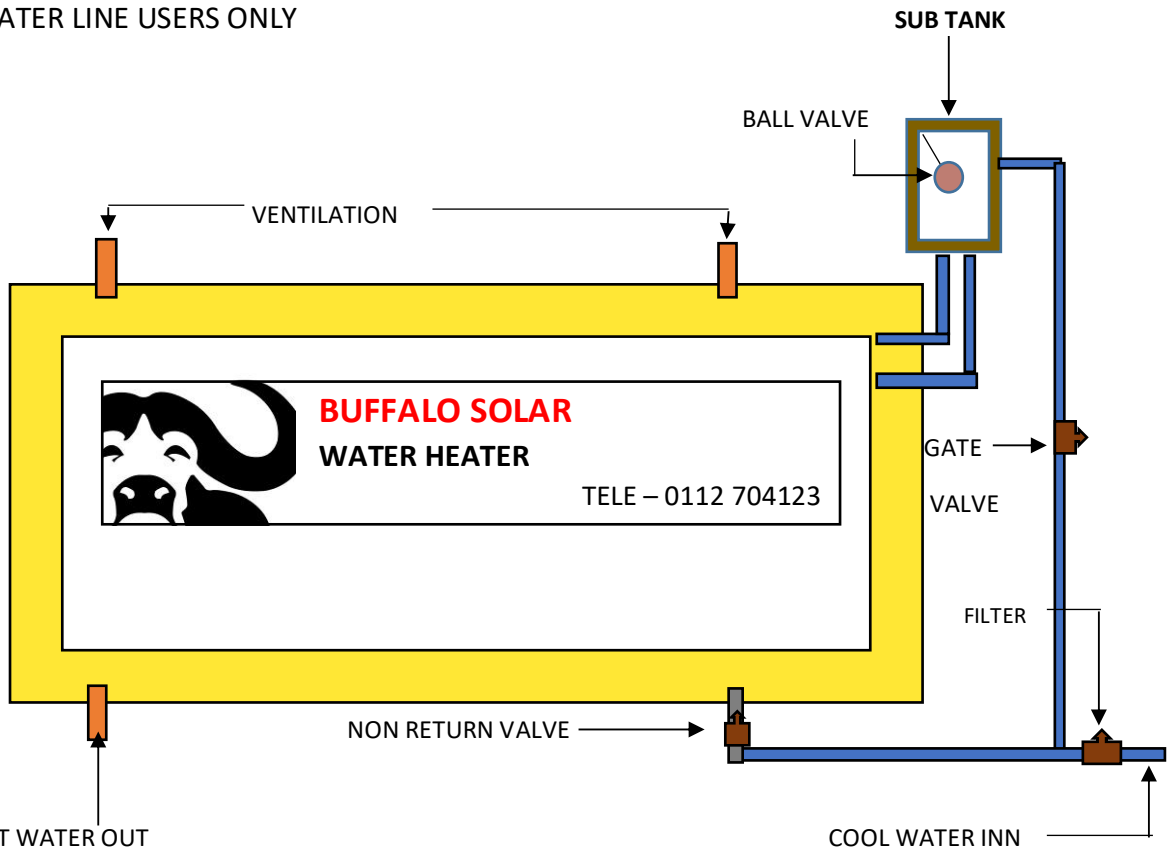
VALVE

FILTER

NON RETURN VALVE

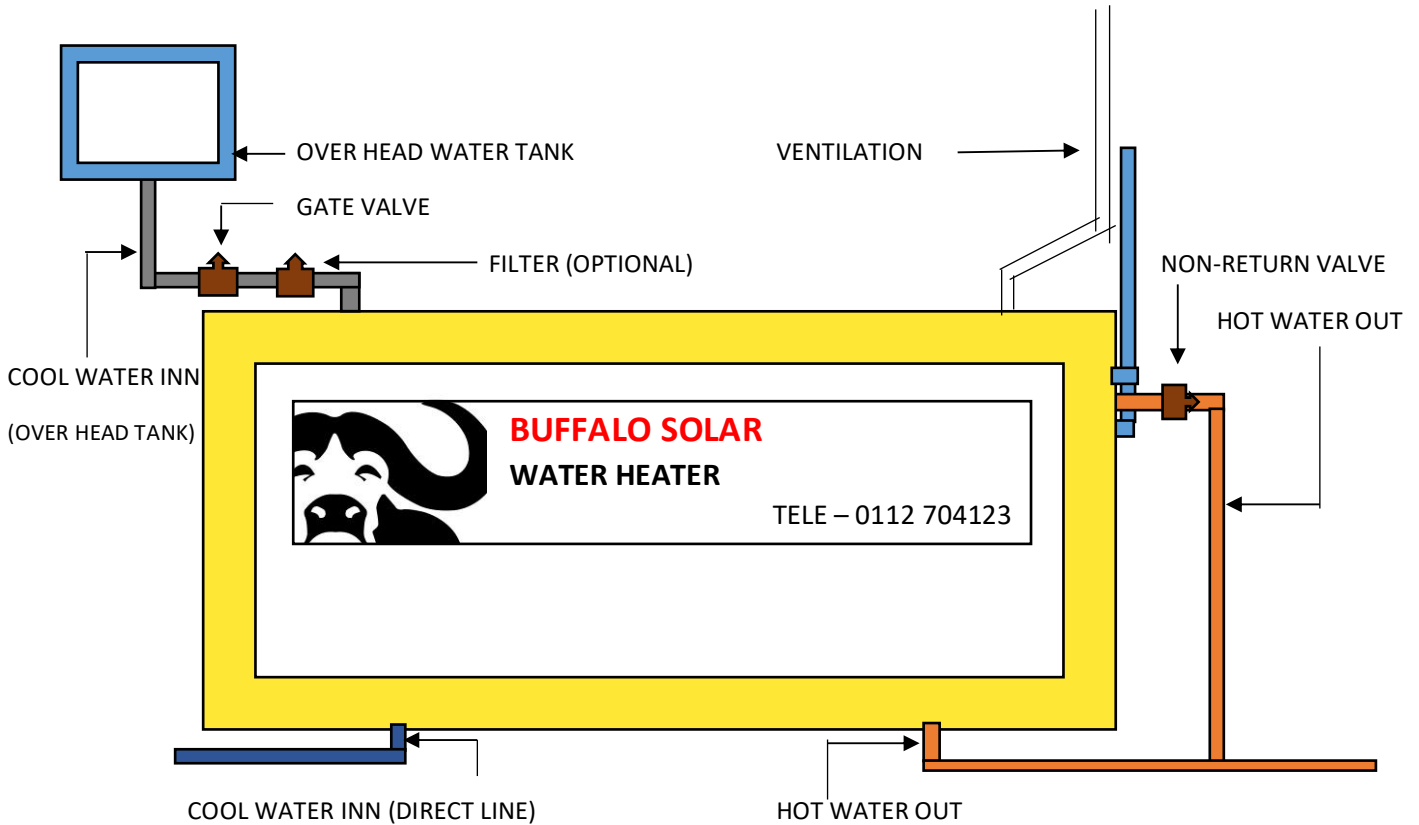
HOT WATER OUT

COOL WATER INN



PRESSURIZED SYSTEM – model 2

02) DIRECT WATER LINE + OVER HEAD TANK USERS ONLY



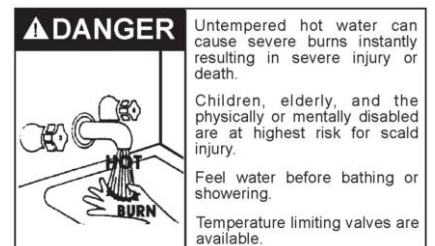
Caution

- Placement of vents and in / out lines may vary according to models and customer requirement.
- Please refer to self-care troubleshooting manual for sub tank maintenance
- Give special care when tightening valves.

Troubleshooting and self-care

If any heat loss,

- ❖ Check whether non-return valve(s) are working properly.
- ❖ Wash the vacuum tubes by using any kind of washing agent to remove dirt and possible algae deposition.
- ❖ Regular visual inspection should be done to ensure vacuum tube quality.
- ❖ Overflow of sub – tank (see; PRESSURIZED SYSTEM – model 1) is due to one of below reasons,
 - Contamination of water with dust and other particles.
 - Constant change in water temperature that lead to loosening of ball inside the subtask unit.
 - Outside impacts such as weather or animal(s) involvement (monkeys/birds).



In such case please remove the sub-tank lid and inspect the ball valves functionality for proper water circulation