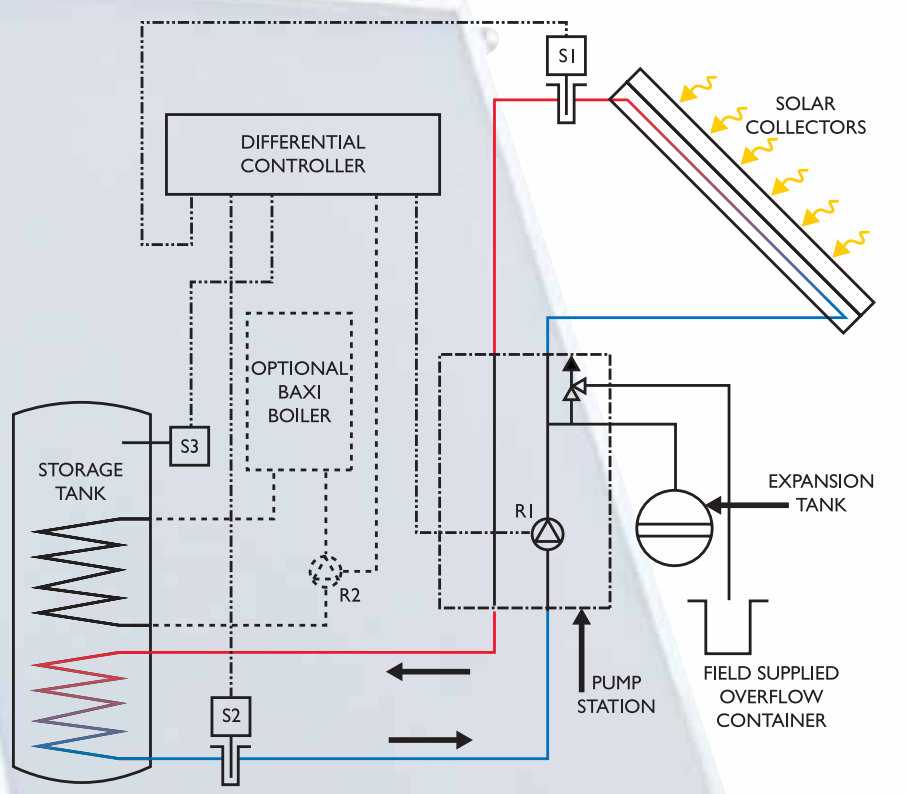


# BAXI BAXI

BAXI SOLAR HEATING SYSTEMS

## SUPPLEMENTAL BOILER

Baxi Luna wall hung boilers may provide supplemental heat to the Baxi solar heating system.



Symbol	Description
S1	Collector outlet temperature
S2	Lower tank temperature
S3	Upper tank temperature
R1	Pump Station control
R2	Optional boiler pump control

## BAXI INTEGRATED SYSTEM SUPPLY

The Baxi integrated solar heating system includes the following components:

- Two Baxi selective prismatic solar collectors
- One pre-assembled pump station
- One manual filling pump (not shown)
- One programmable 2-relay controller with 3 temperature sensors
- One Baxi dual-coil indirect storage tank, 48 gal (180L), 79 gal (300L) or 106 gal (400L)
- One Baxi 6.6 gallons (25L) solar expansion tank
- One 6.6 gallons (25L) heat transfer fluid fill kit (not shown)
- Quick-connect fittings and system components (not shown)
- Roof Mounting kits (not shown)
- Optional Baxi boiler

[www.wallhungboilers.com](http://www.wallhungboilers.com)

### COLLECTOR PHYSICAL DATA

Item	SI	IP
Total frame area	1.90 m <sup>2</sup>	20.5 ft <sup>2</sup>
Absorption area	1.78 m <sup>2</sup>	19.1 ft <sup>2</sup>
Aperture area	1.69 m <sup>2</sup>	18.2 ft <sup>2</sup>
Length	1942 mm	76.5 in
Frame Width	980 mm	38.6 in
Depth	95 mm	3.7 in
Weight	34 kg	75 lbs
Water volume	1.35 L	0.357 USg
Max. working pressure	10 bar	145 psi
Stagnation Temperature	180 °C	356 °F
Connection	1 in	1 in

### COLLECTOR GLAZING DATA

Item	
Glass type	Tempered, low iron.
Absorption	95%
Emission	5%
Transmittance	90.4%

### STORAGE TANK PHYSICAL DATA

Model	180L	300L	400L
Storage Capacity (L/USg)	180/47.6	300/79.3	400/106
Height (mm/in)	1250/49.2	1210/47.6	1560/61.4
Diameter (mm/in)	600/23.6	740/29.1	740/29.1
Weight (kg/lbs)	85/187	116/256	190/419



DISTRIBUTED BY:

**MARATHON INTERNATIONAL**  
 Exclusive North American Distributor of Baxi Products  
 1815 Sismet Road  
 Mississauga, Ontario L4W 1P9 Canada  
 Tel: (800) 461-4657 Fax: (905) 602-7422  
 Email: info@wallhungboilers.com

July, 2006 Rev 0: September, 2006

**BAXI**

# BAXI SOLAR HEATING SYSTEMS

## SOLAR ENERGY IS THE CLEAR CHOICE

Solar energy is clean, free and abundant. It is the clear choice for environmental and energy minded people. Solar heating becomes even more compelling when you consider rising energy prices, depleting fossil fuels and growing conservation initiatives.

Baxi's commitment to finding alternative energy sources has fueled its development of a an integrated solar heating system. The Baxi solar heating system may include Baxi Luna wall-hung boilers to ensure optimum performance and sustainable comfort.

## TODAY AND IN THE FUTURE

## MAXIMUM USE OF THE SUN'S ENERGY

The Baxi integrated solar heating system maximizes the sun's energy by using high-performance selective, prismatic solar collectors.

The Baxi solar collectors are the correct solution for any application – they can be used to provide domestic hot water, or to supplement pool heating systems or low temperature space heating via heat exchangers.

A solar hot water heating system that maximizes the sun's energy typically provides up to 60% of the annual domestic hot water heating energy requirements for a single family home, depending upon the geographic location.

## QUALITY AND RELIABILITY

To ensure quality and reliability, the Baxi system components are specifically designed for solar heating systems by leading solar equipment suppliers.

## BAXI INTEGRATED SYSTEM

Baxi, in response to the increasing market demand for complete heating systems, has designed the solar system to be easily integrated with its boilers.

Another solution to ensure maximum comfort from Baxi.

## SELECTIVE PRISMATIC SOLAR COLLECTORS

Baxi flat plate collectors with prismatic glazing and highly selective coating offer the maximum combination of absorption efficiency and reflective losses.

The solar glazing and absorber are housed in an aluminum frame with effective insulation and weather proof seal.



## INDIRECT STORAGE TANKS

Baxi indirect storage tanks, designed to be integrated to the solar heating system, are supplied standard with dual serpentine coils.

Baxi tanks are available in several sizes, ranging from 48 gallons to over 100 gallons in capacity.

## PUMP STATION

The Baxi two-line pump station allows for the integration of the differential temperature controller.

The station includes pump, supply and return thermometers, flowmeter with scale, pressure relief valve with manometer, filling and flushing port and insulated enclosure.

## DIFFERENTIAL CONTROLLER

Baxi solar heating systems use a programmable differential temperature controller featuring an illuminated system monitoring display.

The display shows the system schematic and several system component symbols. It can be easily set up using the three front panel mounted buttons.

Display temperature readout can be in either °C or °F.

## HEATING TRANSFER FLUID FILL KIT

The fill kit is a propylene-glycol based, heat transfer fluid specifically formulated for solar heating systems.

It is mixed with distilled water in ratios from 40% to 75% by volume to achieve the freeze protection required.

