

A child's hands are held under a showerhead, with water spraying. A large, glowing sun with rays is superimposed over the scene, symbolizing heat and the risk of burns.

SAGIV - ThermoGard to Prevent Hot Water Skin Burns
SAGIV - ThermoWise to Save Energy in Water Heaters

The SAGIV logo, featuring a blue water drop icon above the word "sagiv" in a bold, blue, sans-serif font.

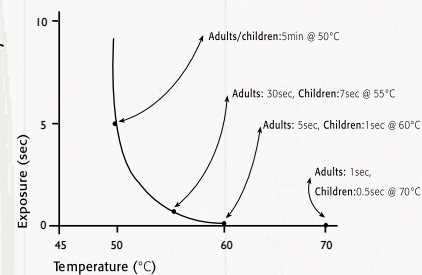
Partnering for Flow Control



» ThermoGard

- › Sagiv ThermoGard is a thermostatic mixing valve that restricts the home hot water temperature to a safe temperature, in order to prevent skin burns and scalds as well as protecting the piping system from the hot water temperature – that might reach up to 95°C (200°F) at summer. Sagiv ThermoGard is fitted between the water heaters outlet and the home hot water piping system.

Water temperature vs. skin exposure: 3rd degree burn (repaired only through surgery).



Features:

- › Prevents hot water burns, mainly with children and elderly people
- › Green product - Saves energy and water
- › Protects the hot water pipe system from cracks, scale, swelling and corrosion
- › Perfect for solar heating systems where temperatures can reach 95°C (200°F)
- › Can be easily fitted to existing and new plumbing systems

Advantages:

- › No pressure loss even when multiple taps are open
- › Large filters that prevent clogs of dirt, scale and fur
- › Extremely accurate temperature control mechanism - no temperature spikes
- › Meets multiple international standards
- › The temperature can be pre-defined to any required temperature

» TECHNICAL SPECIFICATIONS

Dimensions

- › Overall height - 140 mm
- › Overall length - 210 mm
- › Connection to water system - 3/4" thread
- › (based on standard 504/50.3)
- › Stability in adjusting water temperature - plus/minus 2 degrees
- › Flow rate for normal work - 2.2–50 l/min.
- › Dynamic pressure at inlets - 0.2-5 Bar
- › Max. static pressure - 10 Bar
- › Max. work temperature at hot water inlets - 95°C.
- › Max. short - term work temperature at hot water inlets - 99°C

Materials

- › Body and swivels: DZR Brass
- › Gaskets: NBR EPDM
- › Inner piston: Acetyl plastic
- › Inner parts: DZR Brass
- › Thermal element: composite material
- › enclosed in copper cylinder
- › Springs: stainless steel
- › Check valve: Acetyl, Nitride, stainless steel
- › All materials are approved for use with
- › potable water and conform to IS 5452.

Standards Manufactured according to the Australian standard AS 40322.2 as well as European standards EN 1287: 1999.



» ThermoWise

- › Sagiv ThermoWise is an innovative thermostatic diverting valve that maximizes the energy saving and minimizes the energy cost, in a combined water heating system, typically a Solar system that is backed-up by a Gas water heater. When such a combined system is used, Sagiv ThermoWise controls the Solar system hot water outlets as follows: When the temperature is hot enough (pre-defined) the flow is diverted to the home hot water piping system. However, when the temperature drops below the pre-defined temperature, the flow is diverted to the Gas heater. In such way the Solar energy used is maximized and the Gas heater is only used when necessary.

Features:

- › Minimizes energy cost for water heating purposes
- › Green product - Saves energy
- › Protects the hot water pipe system from cracks, scale, swelling and corrosion
- › Perfect for Solar heating systems that are backed-up by a Gas heaters
- › Can be easily fitted to existing and new plumbing systems

Advantages:

- › Special mechanism that ensures no spikes in the home water temperature, at the moment of diversion from one system to the other
- › No pressure loss even when multiple taps are open
- › Large filters that prevent clogs of dirt, scale and fur
- › Extremely accurate temperature control mechanism - no temperature spikes
- › Meets multiple international standards
- › The temperature can be pre-defined to any required temperature

Dimensions

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- › Max. static pressure - 10 Bar
- › Max. work temperature at hot water inlets - 95°C.
- › Max. short - term work temperature at hot water inlets - 99°C

Materials

- › Body, cover, inlet and outlet connectors - Brass CW602N
- › Slide valve - polysulfone UDEL P-1700 NT I I
- › O-rings - EPDM
- › Thermostatic element - thermostatic wax enclosed in a copper sleeve
- › Return spring and overheat spring - in stainless steel AISI 302
- › Inlet filter and optional fastening bracket - in stainless steel AISI 304



ABOUT SAGIV

In the heart of the Negev

Located at Mashabei Sadeh, Sagiv is Israel's leading company for the production and export of ball valves, special valves and accessories on demand. These allow full control of water, gas, petrol and oil flow. Our products are integrated within many systems in industry, construction, air conditioning and agriculture.

International Presence

Our plant exports its products to the most advanced and demanding industrialized nations in the world along with developing areas who are seeking advanced flow control solutions.

Close to the Customer

Our R&D department works in close liaison with the engineering divisions of our clients. In this way we can give responses in real time to the unique requests that often arise with client projects.

Excellent Reputation

Sagiv has earned a reputation for high quality, creativity and reliability. As a result of our extensive experience on the industry and our passion to solve the challenges introduced by our customers.

Financial Strength

Sagiv is equally owned by Kibutz Mashavey Sade and by Gaon Agro Industries Ltd. – a subsidiary of Gaon Holdings Ltd, one of Israel's leading investment companies. Gaon Agro deals primarily in the water infrastructure industry, water related projects and agriculture.



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