

Technical Service Bulletin:

Water Quality Requirements

Models: Buderus Indirect Glass-Lined Storage Tanks, Buderus Indirect Stainless Steel Storage Tanks, Bosch Mini-Tank Water Heaters



BOSCH



This bulletin is a supplement to the product manuals that came supplied with the above listed models, and its requirements must be met to ensure the longevity of the product and to maintain full warranty coverage.

Damage caused to the product, and any subsequent damage caused to property, as a result of failing to ensure that the supplied water quality is within the published requirements is not covered under warranty.

Applicable Models

The information contained in this bulletin applies to the products listed in Table 1 below.

Product Type	Models
Buderus Indirect Storage Tanks (Glass-Lined)	LT160/1, LT200/1, LT300/1, S120, S32, SM80/5, SM100/5, SM300/1, SM400/1, ST150/2, ST200/2, ST300/2, ST400/3, ST500/3, ST750/3, ST1000/3, SU54/5, SU80/5, SU100/5, WST50EL, WST80EL, WST119EL
Buderus Indirect Storage Tanks (Stainless Steel)	SST150, SST250, SST300, SST450
Bosch Electric Mini-Tank Water Heaters	GL2.5, GTL4, GL4CA, GL6+, GL2.5Ti, GL4Ti, GL8Ti, ES2.5, ES4, ES8

Table 1

Why is Water Quality Important?

The water that is supplied to our homes and businesses can contain many compounds, chemicals, and particles, and its chemistry can vary based on where the water is supplied from (a well vs municipal for example) and where in the country the property is located.

To prevent damage to the water storage tank, it is the responsibility of the installer to ensure that the water quality meets the requirements laid out in the tables in Fig.2, Fig.3, and Fig.4. Damage caused to the product, and any subsequent damage caused to property, as a result of failing to ensure that the supplied water quality is within the published requirements is not covered under warranty.

Water Quality Requirements

Buderus Indirect Storage Tanks (Glass-Lined)

The product must be supplied with potable water that is free from particulates, corrosive chemicals, and other contaminants, and meets the chemistry criteria shown in Table 2 below.

pH	6.5 to 9.5
Hardness	≤ 36 ppm, ≤ 2.1 Grains/US Gallon, ≤ 2° dH
Conductivity (μS/cm)	130 to 1500

Table 2

Buderus Indirect Storage Tanks (Stainless Steel)

The product must be supplied with potable water that is free from particulates, corrosive chemicals, and other contaminants, and meets the chemistry criteria shown in Table 3 below.

pH	6 to 8
Chloride Concentration	≤ 80 ppm

Table 3

Bosch Electric Mini-Tank Water Heaters

The product must be supplied with potable water that is free from particulates, corrosive chemicals, and other contaminants, and meets the following chemistry criteria shown in Table 4 below.

pH	6.5 to 8.5
Hardness	4 to 20 Grains/US Gallon
Chloride Concentration	≤ 100 ppm
Total Dissolved Solids	≤ 500 ppm
Conductivity (μS/cm)	≤ 1200

Table 4