

# Labowater IMPULS

Physical water treatment systems for chemical-free conditioning of drinking and industrial water based on the principle of impulse technology



- Made of V2A stainless steel
- Highly effective thanks to the physical treatment principle of impulse technology
- Two-chamber system (for a long treatment time or dwell time of the water)
- No regeneration salt, no chemicals or other additives, no waste water
- Minimal operating costs; simple, space-saving installation horizontally or vertically
- Prevents the build-up of new incrustations in domestic plumbing; can be used for almost all types of plumbing (new and old), including mixed installations
- The taste and positive properties of the drinking water are preserved
- Can be used with high water hardness and high consumption

**Labowater Impuls** systems are electronic water treatment systems that use electronic pulses. They prevent limescale deposits and dissolve existing limescale and rust incrustations over time. The necessary control technology is provided by specially developed control electronics. A separate power supply unit provides the required energy. The two-chamber system with a The specially developed water vortex directly treats the flowing water.

The electrical impulses generated affect the electrical charge of the minerals, resulting in a molecular shift in the crystalline form. This purely physical

Treatment changes the structure of the lime. Lime components in the water that are newly supplied via the domestic water pipe are placed in a molecular "suspended state". This creates microscopic and unstable compounds that do not adhere to the pipes or other components of the installation and lead to encrustations, but are flushed out when water is drawn.

Existing limescale and limescale-rust deposits are gently removed. An initial increase in limescale washouts is an indication of the effectiveness of **Labowater IMPULS** systems. Once existing deposits have been removed, a protective layer formed from the minerals in the water develops within the pipe system.

**Labowater IMPULS** systems operate maintenance-free in the safe low-voltage range. The systems are made of food-grade stainless steel and bear the CE mark. Depending on the conductivity of the water, more powerful control electronics can be used if required.

<b>Labowater IMPULS</b>	Type	75	100	125	150	200
Connection size	Inch	R3/4"	R 1"	R 1¼"	R 1½"	R 2"
Power consumption (from – to) -depending on the conductivity of the water-	Watts	1–65	1 – 65	1 – 65	1 – 65	1 – 65
Output voltage Vss		25	25	25	25	25
Weight	kg	16	18	18	29	30
Diameter	mm	200	234	234	280	280
Width	mm	86	86	86	94	94

#### Operating conditions:

Mains connection 230 volts, AC, 50 Hz; max. operating temperature 70°C, max. operating pressure 10 bar

(if an operating pressure higher than max. 6 bar is to be expected in the installation system, a pressure reducer should be installed). The effect of water treatment is limited if the temperature on the surface of a heating element exceeds 80°C or if the heating power exceeds 3 watts/cm<sup>2</sup>. Such operating conditions must be avoided.