

Innovative technology
for comfort and environment

The Company

The company was founded 2011. We at DeltaTec, are the specialists with experience of many years in domestic hot water systems and district heating stations. The Headquarter is located in Hamburg as the production facility is located in Wismar, Germany.

We offer comprehensive technical expertise, energy and hygienically optimized technical solutions and the highest quality products.

- ✓ Domestic Hot Water (DHW) as thermal loading system or instantaneous tap water system
- ✓ Domestic Hot Water (DHW) with active thermal disinfection
- ✓ Storage tanks and taylor made tanks

- ✓ Home and flat station
- ✓ District heating transfer station
- ✓ Plate and coil-in-shell type heat exchangers

Creativity, quick decision-making, and highly motivated employees provide a fast response to your requests. We do not just talk about customer satisfaction, we keep enjoying our philosophy.

To offer a great value, high quality products and systems, we place great emphasis on the development of new products and systems in consideration of environmentally friendly raw materials. Our products and systems help to save energy.



Highest quality standards assured by exclusively German manufacturing & approved by German TÜV



Smart and sustainable system solutions



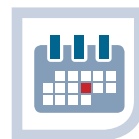
Decades of experience in the development and production of domestic hot water systems and district heating stations



Components exclusively from renowned manufacturers only



Client- and facility-orientated tailor made solutions without limitations



Timely manufacturing and delivery



User friendly and easy-to-install systems ensured by 3D-CAD simulation and designing. Flexibility up to every detail!

Domestic Hot Water (DHW) as thermal loading system or instantaneous tap water system

All DeltaTec domestic hot water solutions comply with German authority exercise sheet DVGW W551 (04/2004)!

DeltaCom — Thermal Loading System

- Appropriated dimensioned
- With or without dynamic loading control system
- Completely storage tank loading without dead space
- System and piping completely welded in stainless steel material
- Storage tank sizes from 150 – 6000 l (Special sizes or tailor made on request)

DeltaMin® — Thermal Loading System with reaction chamber

- Appropriated dimensioned
- Configuration and sizes similar as for DeltaCom
- Domestic hot water loading system according German DVGW W551 (04/2004) and at temp. of 60 °C and enforced retention time of minimum 5 min within a special designed disinfection chamber for safely destroying of planktonic Legionella pneumophila

DeltaDuo — Bivalent Thermal Loading System

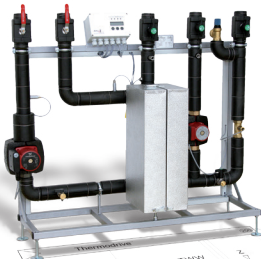
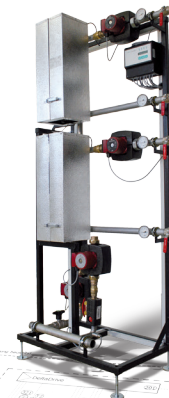
- Appropriated dimensioned
- In combination with any DeltaTec storage tank D-Niro® or D-Niro®-DL
- Hygienic and efficient integration of alternative heating sources for pre-heating by plate heat exchanger from varied range of temp. and loads
- Progressive loading control system and modulation of all pumps and actuators by integration of all operational conditions and current temp. data
- Design with or without optional disinfection chamber
- Completely by factory ready assembled, piped, wired on painted steel frame

DeltaFlow — Instantaneous tap water system, floor-standing

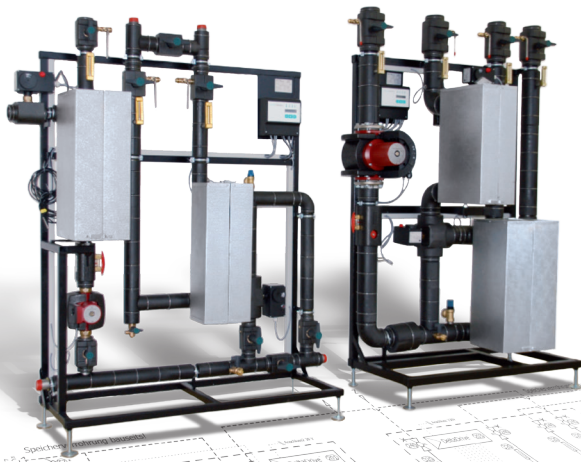
- Nominal range from 75 to 550 kW
- Instantaneous tap water system by through flow only
- System completely by factory ready assembled and piped on floor-standing steel frame
- Piping on primary side in mild steel, on secondary tap water side in stainless steel, bronze and brass
- Tap water outlet temp. controlled by speed controlled primary pump
- Tailor made complete solutions or standard systems with performance numbers according DIN 4708

DeltaFresh — Instantaneous tap water system, wall mounted

- Nominal range from 34 to 115 kW
- Systems for house or flat suitable in flow-through principle up to two-family houses, townhouses, apartments
- System in package insulation jacket from expanded polypropylene (EPP)
- Automated controller with LCD-display



Domestic Hot Water (DHW) with active thermal disinfection



DeltaLegio® — Domestic Hot Water with active thermal disinfection

- Central Legionella barrier as tailor made domestic hot water system for complete killing of all legionella
- Advanced processing method for thermal disinfection
- Planktonic Legionella as well as Legionella pneumophila will be safely killed
- Include all back flow preventer, shut-off valves, safety valves, sample valves (flame-resistant), drain valves and temp. gauges
- Maintenance and service are possible during operation due to special fittings and equipment
- Completely by factory ready assembled, piped, wired on steel frame; the secondary tap water piping completely in material stainless steel AISI316Ti or brass

2. Step

Ensuring a retention time of the heated tap water by 70 °C for minimum 5 min in the disinfection chamber of the storage tank

1. Step

Heating up the tap water to disinfection temp. of minimum 70 °C



3. Step

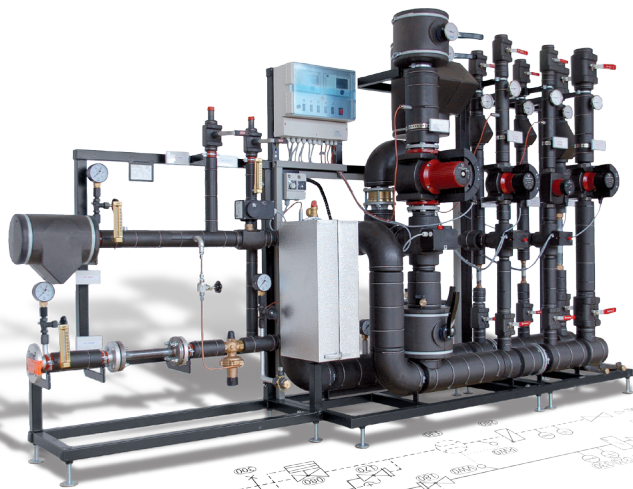
Cooling down the Legionella-free tap water to desired hot water temp. to e.g. 60 °C

4. Step

DeltaLegio®-Z: Complete disinfection of all returning circulation tap water to 70 °C and a retention time of 5 min

DeltaLegio®

District heating stations for wide range of performance



DeltaHeat FD & FI — District heating stations, for direct or separated circuits

- Nominal range from 10 to 25000 kW
- Design pressure up to 40 bar, design temp. up to 200 °C
- Primary joints and connections according to respective authority or heat supplier requirements
- District Heating Stations are versatile due to direct or separated operation and comes tailor made according to customers requirements with one or several heating circuits as well as with domestic hot water generation either on primary or secondary side as an option
- DeltaTec district heating stations are manufactured under German TÜV approved production facility
- 3D-CAD design and simulations allow compact design and manufacturing for highest nominal rates on tiniest space
- Weather compensated PLC-controller complete ready wired
- Compact and sturdy frame, skids and wall brackets, all vibration-free assembled
- Adjustable feets
- Optional insulation jackets

DeltaFlat — Direct home and flat station

- For heating in nominal range as from 5 to 10 kW
- For DHW in nominal as range from 34 to 47kW
- Home and flat station in direct operation for up to two-family houses
- Complete solution for DHW and heating include differential pressure regulator
- Progressive-mass-flow regulator with priority switching, German DVGW certified with patented sealant technology
- Multifunctional valve set for modular connection
- Flush-mounted installation possible



DeltaVito — Indirect home and flat station

- Nominal range from 22 to 30 kW
- Home and flat station for up to town- or two-family houses suitable for various for district heating supplies
- Either primary or secondary connected DHW system
- Compact design for wall installation include insulation jacket
- Special made with instantaneous tap water system
- Weather compensated control unit
- Flush-mounted installation possible



Storage tanks and heat exchanger

- **D-Niro**® Stainless steel storage tank
- **D-Niro**®-R Stainless steel calorifier with internal heating coil
- **D-Carbo** Buffer tank
- **D-PL** Brazed type heat exchanger
- **D-PG** Gasketed plate+frame type heat exchanger
- **D-RW** Vertical coil-in-shell type heat exchanger

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