

Storage tanks and pressure vessels made of steel

The plants in Nienburg and Heidenau specialize in steel container construction – but the two sites have different focuses

Cylindrical storage tanks made of steel in accordance with EN12285 are a central part of our manufacturing program. Tanks for underground and above-ground storage of liquids that are hazardous to water have been continuously developed and improved. General building inspectorate approvals from German Institute for Construction Technology DIBt extend and simplify the possible uses of steel tanks.

Buffer tanks are becoming increasingly important in the energy transition. We manufacture these pressure vessels in a range of designs, each with factory-made thermal insulation. Operating pressures can be selected on a specific project basis and are configured as standard for 3 bar, 6 bar and 10 bar.

We project and design customer-specific storage vessels and pressure vessels in close coordination with our partners and complement them with heaters, measurement and control technology as well as a number of other accessories.

We manufacture in accordance with national and international norms and quality standards. Our plants, for example, are certified in accordance with the regulations for pressure equipment AD-2000 Merkblatt HP0 and recognized as a welding manufacturer in accordance with the guidelines of DIN EN ISO 3834-2. We were also certified in accordance with the regulations of DIN EN 1090-2 for steel structures. We use only TÜV-certified welders in all standard procedures.

Our products:

- ▶ **Buffer tanks for heat and cold storage**
- ▶ **Storage tanks**
- ▶ **Rainwater storage tanks**
- ▶ **Fire water tanks**



Heat.
Energy. Water.

STORAGE & UTILIZATION

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Storage of chilled water

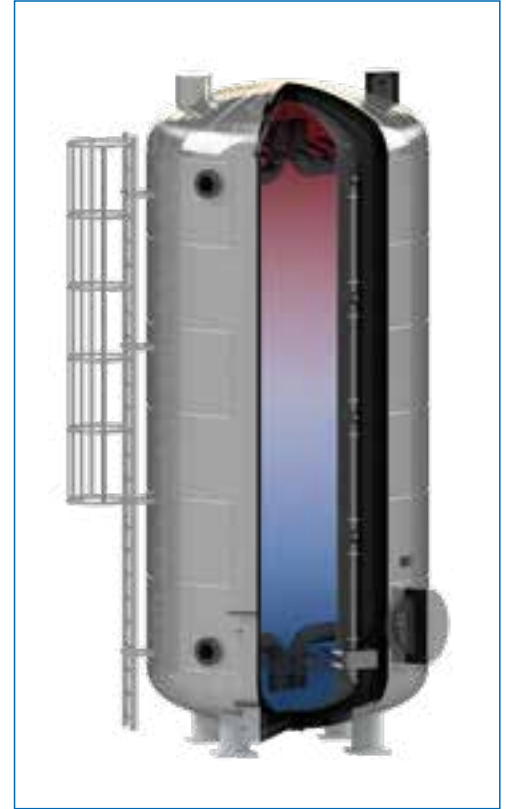
Increase energy efficiency with cold storage tanks

Cooling is required for air conditioning in buildings and for many industrial processes. Cooling needs are often quite variable and therefore place substantial demands on the installed cooling systems. Optimally designed cold storage tanks can extend the running time of cooling systems and thus increase energy efficiency.

With Dehoust cold storage tanks, the electrical load peak is reduced, the security of supply is increased and the degree of utilization is improved.

Dehoust cold storage tanks are adapted to plant requirements. The storage tanks are prepared for the application of diffusion-tight cold insulation. We recommend industrially-installed insulation with a jacket of aluminum smooth sheeting. The storage tanks are designed for operation with chilled water up to 6 bar and max. 50 °C.

The storage tanks are manufactured with a manhole DN 500. The hydraulic connections and sensor sleeves are adapted to the specific project.



Above-ground cold storage tanks 10 m³ to 152 m³ operating pressure 6 bar

Article no.	without insulation				Insulation 32 mm	
	Nominal capacity liters	Diameter mm	Height approx. mm	Weight tank kg	Article no.	Weight kg
179020	10,000	1,600	6,390	1,700	171020	150
179065	11,000	2,000	4,530	1,850	171065	150
179085	17,000	2,000	6,530	2,400	171085	200
179165	22,000	2,500	5,690	2,950	171165	200
179175	32,000	2,500	7,690	3,600	171175	300
179195	42,000	2,500	9,690	4,300	171195	350
179215	52,000	2,500	11,690	4,950	171215	450
179240	44,000	2,900	7,820	5,050	171240	400
179245	51,000	2,900	8,820	5,500	171245	450
179250	57,000	2,900	9,820	5,950	171250	500
179260	70,000	2,900	11,820	6,950	171260	550
179270	84,000	2,900	13,840	8,200	171270	650
179285	97,000	2,900	15,840	9,050	171285	750
179385	102,000	3,200	13,940	11,400	171385	700
179395	118,000	3,200	15,940	12,700	171395	800
179460	123,000	3,500	14,030	12,650	171460	800
179475	152,000	3,500	17,030	15,100	171475	950



In data centers, heat is generated and cooling is a necessity. Buffer storage tanks are used for the effective storage and provision of heat and cold.

Above-ground cold storage tanks 2 m³ to 10 m³, operating pressure 6 bar

without insulation				
Article no.	Nominal capacity liters	Diameter mm	Height approx. mm	Weight tank kg
179905	2,050	1,200	2,250	440
179910	2,600	1,200	2,750	500
179915	3,150	1,200	3,250	565
179920	3,700	1,200	3,750	620
179925	4,250	1,200	4,250	685
179930	4,800	1,200	4,750	745
179960	5,150	1,400	3,850	795
179965	5,950	1,400	4,350	865
179970	6,700	1,400	4,850	935
179975	7,450	1,400	5,350	1,005
179980	8,200	1,400	5,850	1,075
179985	8,950	1,400	6,350	1,150
179990	9,750	1,400	6,850	1,225



The cold storage tanks in this series are manufactured without a manhole and are prepared for the installation of cold insulation.