Sprinkler system



assentoft silo

Sprinkler tanks – in all sizes

Assentoft designs, manufactures, and erects steel tanks for sprinkler water storage and has extensive experience in constructing both small and very large tanks. Our efficient construction system makes us an ideal partner whenever a sprinkler tank is required for projects such as terminals, warehouses, distribution centers, or industrial facilities.



Bolted steel tanks with maximum flexibility

A bolted steel tank is a highly flexible solution that ensures a short construction period while offering virtually unlimited design possibilities and a high degree of architectural freedom. Over the past 30 years, Assentoft has continuously refined its construction system, drawing on experience gained from a wide range of projects both domestically and internationally.



RAL Colour – Your Choice

In many projects, a sprinkler tank forms part of a larger development where significant effort and resources are invested in achieving a specific architectural appearance. At Assentoft's sister company in Northern Jutland, Åbybro Maskinfabrik, we sandblast and wet-paint tank panels and components in the exact RAL colour of your choice.

This service is available for both insulated and non-insulated sprinkler tanks. For insulated tanks, the cladding panels are available in a wide range of standard colors, allowing the tank to blend seamlessly with the surrounding architecture.

Tank prepared for insulation



Tank being insulated



Fully insulated tank





A Committed Partner on Site

You can expect us to stay closely involved throughout your project and to actively participate in the design phase, ensuring that the tank is engineered precisely to meet your requirements and specifications. Our project manager oversees the entire production process, from procurement to finished components, while our site supervisors and skilled installation teams ensure high standards of quality, planning, and safety on both large and small construction projects in the public and private sectors.

Galvanized tanks at a competitive price

Thanks to our high production volume of biogas tanks, agricultural silos, and industrial silos, Assentoft is able to manufacture sprinkler tanks cost-effectively using our standard tank panels. The steel is sourced from European steel mills and hot-dip galvanized with 450 g of zinc per m^2 in accordance with Assentoft's specifications.
Assentoft maintains its own steel inventory, ensuring short lead times and reliable delivery.



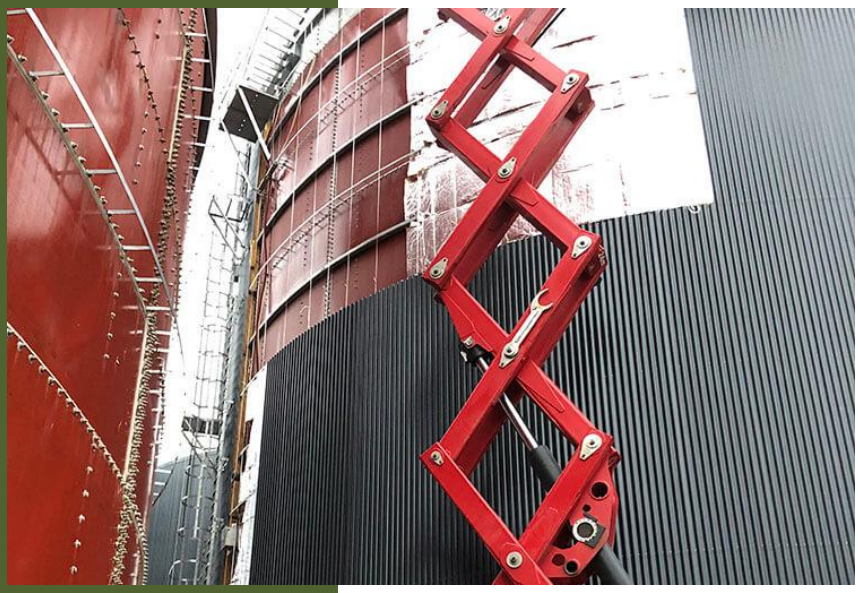
In-House production of components ensures reliable delivery



By manufacturing key components ourselves, we are able to maintain full control over quality and performance. The in-house production of welded components for our tanks ensures a high level of delivery reliability and consistent quality from our EN 1090-certified workshop.
Other components are supplied by our trusted Danish subcontractors, and all parts are assembled and prepared at our facility in Assentoft. This enables us to ensure that our installation teams on site receive the right components at the right time, helping to keep projects on schedule and running smoothly.

Insulation requires expertise

We frequently supply insulated tanks whenever insulation is required or specified by the project. An insulated tank is easy to integrate into the overall building design and helps eliminate the need for supplementary heating during extremely cold periods.
The tanks are clad with trapezoidal or sinusoidal profile sheets, available in a wide range of standard colours to match the surrounding architecture.





DVS ZERT

CERTIFICATE

Conformity of the Factory Production Control

2451-CPR-EN1090-2020.0219.003

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the following construction product:

Construction product	**Structural components and kits for steel structures to EXC2 according to EN 1090-2**
Intended use	for load-bearing structures in all types of buildings
CE - marking method	ZA.3.2 and ZA.3.4 acc. to EN 1090-1:2009+A1:2011
	produced by or for
Manufacturer	**Assentoft Silo A/S** **Silovej 1** **8960 Randers SØ** **DENMARK**
Manufacturing plant Production facility of the manufacturer	Assentoft Silo A/S Silovej 1 8960 Randers SØ DENMARK
Confirmation	This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the harmonised standard **EN 1090-1:2009+A1:2011** under system 2+ are applied, and that the factory production control fulfills all the prescribed requirements stated therein.
Date of first issue	25.01.2021
Next Surveillance audit	24.01.2029
Period of validity	This certificate will remain valid as long as the test methods and/or the factory production control requirements included in the harmonised standard used to assess the performance of the declared characteristics do not change, and the product and the manufacturing conditions in the plant are not modified significantly.
Remarks	see reverse
Place and date of issue	Düsseldorf, 04.02.2026 Dupont

Dipl.-Ing. Gurschke
Head of certification body

DAkkS

DVS ZERT GmbH, Aachener Straße 172, 40223 Düsseldorf, GERMANY

Certified Manufacturing and Comprehensive Documentation

A complete structural design calculation for the tank, together with components manufactured in accordance with EN 1090, is an integral part of every delivery from Assentoft Silo. Each tank is supplied with CE documentation in compliance with the agreed Execution Class (EXC).

EN 1090 Certification

Key components in a sprinkler Tank



Suction plate at outlet nozzle including support structure.



Flange connection for water extraction

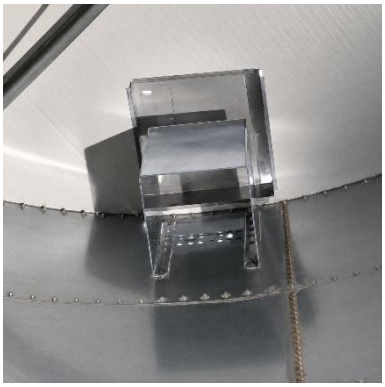


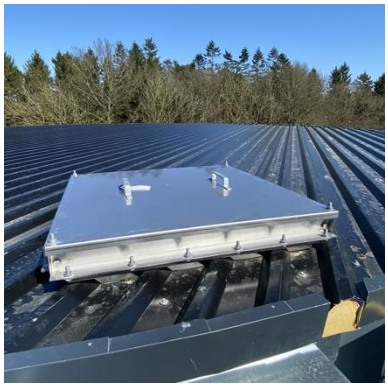
Overflow and vent nozzle at roof edge

Optional insulated enclosure around nozzles



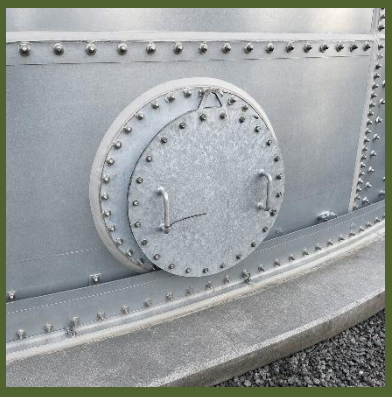






Roof inspection hatch at the roof-to-shell junction





Manway for tank access

Galvanized Access Ladder and Roof-Edge Platform

The ladder can be fitted with a lockable access gate to prevent unauthorized access







Internal Fill Pipe

Sprinkler Tank Capacity (m³)

Volume

assentoft silo

	Antal ringe	5	6	7	8	9	10	11	12	13	14	15	16
	Cylinder højde	5,96	7,14	8,32	9,50	10,68	11,86	13,04	14,22	15,40	16,58	17,76	18,94
Diam.													
6,18	Aktiv m³	164	200	235	270	306	341	377	412	448	483	518	554
	Tank højde	6,16	7,34	8,52	9,70	10,88	12,06	13,24	14,42	15,60	16,78	17,96	19,14
6,96	Aktiv m³	208	253	297	432	387	432	477	522	566	611	656	701
	Tank højde	6,16	7,34	8,52	9,70	10,88	12,06	13,24	14,42	15,60	16,78	17,96	19,14
7,73	Aktiv m³	256	312	367	423	478	533	589	644	699	755	810	865
	Tank højde	6,16	7,34	8,52	9,70	10,88	12,06	13,24	14,42	15,60	16,78	17,96	19,14
8,50	Aktiv m³	310	377	444	511	578	645	712	779	846	913	980	1.047
	Tank højde	6,16	7,34	8,52	9,70	10,88	12,06	13,24	14,42	15,60	16,78	17,96	19,14
9,28	Aktiv m³	369	449	529	608	688	768	848	927	1.007	1.087	1.166	1.246
	Tank højde	6,16	7,34	8,52	9,70	10,88	12,06	13,24	14,42	15,60	16,78	17,96	19,14
10,05	Aktiv m³	433	527	621	714	808	901	995	1.088	1.182	1.275	1.369	1.463
	Tank højde	6,16	7,34	8,52	9,70	10,88	12,06	13,24	14,42	15,60	16,78	17,96	19,14
10,82	Aktiv m³	503	611	720	828	937	1.045	1.154	1.262	1.371	1.479	1.588	1.696
	Tank højde	6,16	7,34	8,52	9,70	10,88	12,06	13,24	14,42	15,60	16,78	17,96	19,14
11,60	Aktiv m³	577	702	826	951	1.075	1.200	1.324	1.449	1.574	1.698	1.823	1.947
	Tank højde	6,16	7,34	8,52	9,70	10,88	12,06	13,24	14,42	15,60	16,78	17,96	19,14
12,37	Aktiv m³	657	798	940	1.082	1.223	1.365	1.507	1.649	1.790	1.932	2.074	2.215
	Tank højde	6,16	7,34	8,52	9,70	10,88	12,06	13,24	14,42	15,60	16,78	17,96	19,14
13,14	Aktiv m³	741	901	1.061	1.221	1.381	1.541	1.701	1.861	2.021	2.181	2.341	2.501
	Tank højde	6,16	7,34	8,52	9,70	10,88	12,06	13,24	14,42	15,60	16,78	17,96	19,14
13,92	Aktiv m³	831	1.010	1.190	1.369	1.548	1.728	1.907	2.087	2.266	2.445	2.625	2.804
	Tank højde	6,16	7,34	8,52	9,70	10,88	12,06	13,24	14,42	15,60	16,78	17,96	19,14
14,69	Aktiv m³	926	1.126	1.326	1.525	1.725	1.925	2.125	2.325	2.525	2.724	2.924	3.124
	Tank højde	6,16	7,34	8,52	9,70	10,88	12,06	13,24	14,42	15,60	16,78	17,96	19,14
15,46	Aktiv m³	1.026	1.247	1.469	1.690	1.912	2.133	2.355	2.576	2.797	3.019	3.240	3.462
	Tank højde	6,16	7,34	8,52	9,70	10,88	12,06	13,24	14,42	15,60	16,78	17,96	19,14





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