

Plastic storage tanks from Dehoust

PE storage tanks protect
their content and the environment



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PE storage tanks from 570 to 4,000 litres

Can be used for a variety of different applications

Plastic storage tanks are made of high-quality polyethylene (HD-PE) and are suitable – for unpressurised storage – for a variety of media up to a density of 1.15 g / cm³. HD-PE is physiologically safe and complies with the guideline for domestic installations and the recommendation for drinking water installations. You can access the relevant certifications for each tank type on the internet.

The uncoloured PE storage tank is perfect for storage within buildings. The slight transparency of the natural-coloured tanks makes it possible to check the filling level at any time. The tank can also be supplied in black (PE 1100 up to PE 4000 DF) for other fields of use and for increased UV resistance. AQF 570 up to AQF 1000 are produced in blue.



The advantages at a glance

- ▶ Food-safe HD-PE
- ▶ High chemical stability
- ▶ HD-PE is free from “softening agents” and free from silicone – meaning there is no damaging effect on the filling medium
- ▶ Lower connections make it possible to connect several tanks together into a battery

Note: When using the tanks in drinking water installations, the tanks must be cleaned before installation. Avoid any contamination during the assembly process.



HDPE

Fields of use

Use	Industry
Splash water tanks	Swimming pool construction
General chemicals	Industry
Fire water tank	Plant engineering, industry
Cooling water supply	Plant engineering, cooling technology
Rainwater use	Domestic installation
Permeate tank	Water treatment
Osmosis water	Plant engineering
Mash and fruit storage	Agriculture and horticulture
Food leftovers	Waste removal industry
Break tanks	Domestic installation



Individual solutions from series production

Dehoust storage tanks are very often the cost-effective solution for storing liquid products, thanks to their series production on state-of-the-art blow moulding lines.

The Dehoust prefabrication service opens up further possible uses and advantages for customers: the welding of additional nozzles and additional domes DN 600, the attachment of flanges and distributor pipes is carried out by the specialists at Dehoust.

The right solution for any requirement

Specially adapted accessories make using PE tanks even simpler.

Lots of uses in process technology, in swimming pool construction and in fire water technology require major volumes of water in a short space of time; accordingly dimensioned flange connections ensure the right volume flow and the balancing of connected tanks. The interconnecting pipes are installed tension-free.



Dual PE plastic flange with GFK lapped flange



Connectors with 2" internal threads



PE DF storage tank

Tried-and-tested for decades

Plastic storage tanks with volumes between 1100 and 4000 litres have been used successfully for several decades. Their uses are diverse.

Extensive accessories make it easy to use them in different industries. The bottom bypass has been improved. Each tank can now be individually isolated, making them even more flexible.

The tanks are supplied as standard in natural or black colour.

Our tanks are real all-rounders: long-lasting, stable and flexible – e.g. they can be used as process water tanks, as a fire water or drinking water storage.

Double battery PE 2000 DF



PE storage tanks with dome and flange with galvanised steel bandages

Item No.	Description	Dimensions mm (L x W x H)	Weight
971294	PE 1100 DF Natural	1.400 x 720 x 1.400	55 kg
971301	PE 1100 DF Black		
971295	PE 1500 DF Natural	1.560 x 720 x 1.640	70 kg
971303	PE 1500 DF Black		
971253	PE 2000 DF Natural	2.070 x 720 x 1.690	110 kg
971305	PE 2000 DF Black		
971605	PE 2500 DF Natural	1.870 x 995 x 1.650	115 kg
971306	PE 2500 DF Black		
971593	PE 3000 DF Natural	2.230 x 995 x 1.650	165 kg
971307	PE 3000 DF Black		
971589	PE 4000 DF Natural	2.430 x 995 x 1.950	235 kg
971309	PE 4000 DF Black		

PE storage tanks are supplied as standard with an access for cleaning DN 400 and a bottom connecting flange, which has not been drilled.

The connecting flange (not a standard flange) can be drilled out to DN 70.



Steel and plastic connecting flange from 1" to 3"



Flange with 1 1/2" tap

PE storage tanks for even more volume

With the newly designed bottom connection accessories, each tank can be separately isolated; the collecting pipe of 2"/DN 50 is also suitable for large water volumes.



Battery Set-Up accessories for PE DF storage tanks

If required, we can equip tanks with a bottom 2" connecting pipe for PE storage tanks with dome and flange for on-site connection of DN 50 PE pipes or D=63 mm hoses.

The basic package includes two connecting flanges with 1 1/2" internal threads for the bottom flange connection to the tank, two stopcocks, a bend piece, a T-piece and the DN 50 connecting pipe, which is adapted on-site to the tank centre. The extension package is intended for each additional tank for a battery and includes a flange, tap, T-piece and connecting pipe. A DN 50 stopcock for the entire system can also be fitted.



Item No.	Description
971565	Basic DF package DN50 connecting pipe for 2 PE dome tanks with 2x 1 1/2" taps
971570	Extension DF package with 1 1/2" tap for each additional tank
71645	2" stopcock to shut off the DN 50 connector

PE AQF storage tank

Store water cost-effectively

High-quality HD-PE is food safe and free from softening agents and silicone. The tanks can be cleaned easily due to the top access hole. The battery set-up accessories kit means the storage volume can be enlarged as required. The bottom connection can also be used as a drain.

The AQF in blue is ideal for storing drinking water and process water.



AQF 750 and 1000

AQF 690 wide neck

Small, robust and versatile

The PE AQF 570 and 690 storage tanks have been completely redesigned in terms of look and technology.

The wide-necked 540 mm opening makes it possible to insert exchangers and submersible pumps.

The S 56 x 4 bottom connections can be fitted with a 1 1/2" adaptor and are sealed in the factory.

AQF blue with bottom S 56x4 connection

Item No.	Description	Dimensions mm (L x W x H)	Weight kg
61200	AQF 570 blue with top wide-necked 540 mm opening	720 x 720 x 1420	18
61206	AQF 570 blue with 240 mm hand hole and 2 x 2" screws	720 x 720 x 1430	18
61210	AQF 690 blue with top wide-necked 540 mm opening	720 x 720 x 1695	22
61216	AQF 690 blue with 240 mm hand hole and 2 x 2" screws	720 x 720 x 1700	22
61176	AQF 750 blue with 240 mm lid and 2 x 2" screws	720 x 720 x 1720	24
61196	AQF 1000 blue with 240 mm lid and 2 x 2" screws	780 x 780 x 2000	30

Battery Set-Up accessories

Item No.	Description
971765	Basic package for connecting pipe DN50 for 2 AQF tanks with 2x 1 1/2" taps
971770	Extension package to connect another AQF with 1 1/2" tap
71645	2" stopcock to shut off the DN 50 connector



Stopcock - 1 1/2 inch with adaptor



AQF Connector

Lower 2" connecting pipe for on-site connection of PE DN 50 PE pipe or D=63 mm hose.

Connection to the tank with S56 x 4 adaptor and 1 1/2" stopcock, including appropriate bend and T-piece.

2" tap to shut off the entire line is possible.

Separation of drinkable water and process water category 5 only by break tanks according to DIN EN 1717 with free discharge

The European drinking water directive EN 1717 specifies a physical separation of drinking water and process water. If process water is classified in class 5 due to a possible stagnation or due to risk of cross contamination, backflow preventers are insufficient.

The protection of drinkable water in accordance with the requirements of the DIN EN 1717 (class 5) is satisfied by technical implementation according to DIN EN 13077.



Drinkable water safe and compact

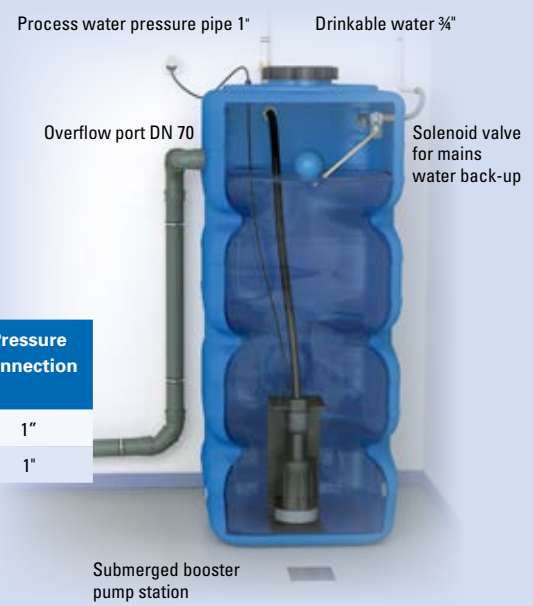
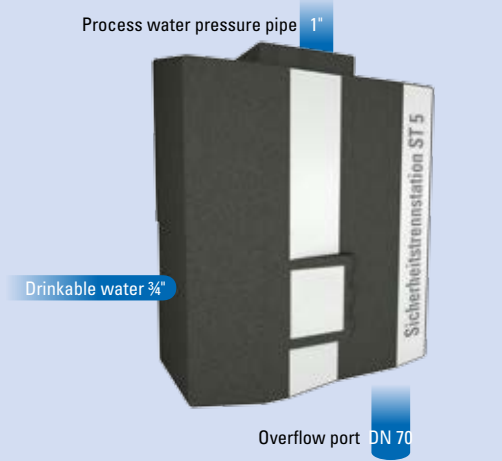
The break tank ST 5 combines in the smallest space the important separation of drinkable water and process water and the necessary pressure boosting.

The AB type air gap according to EN1717 protects the drinkable water. The pump transports the water of the storage tank to the application.

Great performance in the smallest space

The break tank series ST-AQF consists of a storage tank made of high quality polyethylene with mains water back-up type AB air gap which complies to the EN1717.

The fill level control and automatic mains water back-up feed takes place with a floating switch. Depending on the booster pumps flow rate different solenoid valves are used for mains water back-up. The large storage tank is equipped with an additional overflow port where in case of need overflowing water can be safely drained to sewer. In dependence of the application different submerged or dry booster pump stations can be combined with this break tank series.



Item No.	Description	Dimensions mm (L x W x H)	Discharge Q_{max}	Discharge head H_{max}	Drinking water pipeline	Pressure connection
813092	Break Tank ST 5	700 x 595 x 305	3,2m ³ /h	42 m	3/4"	1"
812903	ST-AQF 570/SV 5-40	720x720x1.730	5,5m ³ /h	48 m	3/4"	1"

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