Grundfos GT TANK – Keep it safe

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GRUNDFOS

Long-life tanks for all needs

Grundfos pressure tanks are all ideally suited and approved for use with drinking water. The material used ensures that there is absolutely no risk of the tank contaminating its precious contents.

Whatever it is for drinking water, industrial domestic or recreational purposes the Grundfos GT tanks series assure you reliable supply in your water system. Grundfos supplies three series of tanks: between 8 l and 80 l, between 100 l and 450 l and tanks containing between 750 l and 3.000 l.

The beauty of a pressure tank

The right pressure tank saves you money by significantly increasing pump efficiency and thereby minimising electricity consumption, by acting as a buffer, the tank allows the pump to run for longer continuous periods and its optimal duty point – i.e. maximum efficiency.
It is otherwise very expensive to have the pump run at full speed to provide only small amounts of water.

An assurance of smooth operation

Reducing the number of start/stops will extend the life of your pump. With a tank to act as a buffer, the pump does not have to run every time a tap is opened. Considerable amounts of water can then be used without any pump action at all.
A pressure tank is an assurance of smooth operation and will protect the pump against water hammering in the pipe system.

Technical data GT Tank range:

Designation	Size	Part no.	Connection	Diameter	Height	weight
	[l]			[mm]	[mm]	[kg]
GT-H-8 V	8	96526321	G1	202	303	2.3
GT-H-8 V	8	96528335	G3/4	202	303	2.3
GT-H-12 V	12	96528336	G3/4	244	366	3.1
GT-H-18 V	18	96528337	G1	279	367	4.6
GT-H-18 V	18	96526322	G3/4	279	367	4.6
GT-H-24 V	24	96528339	G1	289	447	5.1
GT-H-33 V	33	96528340	G1	289	584	6.7
GT-H-60 V	60	96528341	G1	397	557	11.0
GT-H-80 V	80	96528342	G1	397	755	16.0
GT-D-100 V	100	96528343	G1	406	874	18.6
GT-D-130 V	130	96528344	G1	406	1086	24.5
GT-D-170 V	170	96528345	G1	533	929	30.4
GT-D-240 V	240	96528346	G1	533	1201	37.2
GT-D-300 V	300	96528347	G1	533	1488	44.9
GT-D-450 V	450	96528348	G1	660	1520	69.5
GT-U-750 V	750	96528349	G2	750	2230	260
GT-U-1000 V	1000	96528350	G2	750	2730	320
GT-U-1500 V	1500	96528351	G2½	1000	2538	530
GT-U-2000 V	2000	96528352	G2½	1200	2440	620
GT-U-2500 V	2500	96528353	G2½	1200	2940	700
GT-U-3000 V	3000	96528354	G2½	1200	3340	805
GT-H-24 H	24	96528388	G1	289	447	6.0
GT-H-60 H	60	96528389	G1	389	532	12.8
GT-H-80 H	80	96528390	G1	389	730	17.2

GT-H-8 V, 8-litre

GT-H-18 V, 18-litre

GT-H-24 H, 24 litre

GT-H-33 V, 33-litre

GT-H-60 V, 60-litre

GT-H-60 H, 60 litre

GT-D-450 V, 450-litre

GT-U-1000 V, 1000-litre

Diaphragm or bladder – equally fine solutions

Grundfos has two tank types to choose between dependable on your needs and demands.

- The Grundfos GT tanks of the GT-H and GT-D types have sealed-in heavy-duty diaphragm separating air and water
- The Grundfos GT tanks of the GT-U type, has a replaceable bladder separating nitrogen and water

The GT-tank range from 8 l to 80 l are single diaphragm tanks, from 100 l to 450 l are double diaphragm, whereas tanks that contains more than 450 l are equipped with a bladder.

Smooth operation at all times

As water enters the GT tank, the diaphragm or bladder is flexed, compressing the air/nitrogen cushion, reducing its volume by the same volume of water that enters. As the volume of air/nitrogen decreases, the pressure in the GT tank increases so that it always equals the pressure exerted by the pump.

Since water pressure and air/nitrogen pressure are always equal the diaphragm or bladder is never under any strain. It merely flexes or floats between the water and air/nitrogen. Yet another benefit is a considerable reduction in the working hours of the pump. This translates into a power reduction for your pump – such improvements provide substantial savings – year in and year out. All of our pressure tanks can be used with any Grundfos pump type.

Diaphragm tanks

A butyl rubber diaphragm divides the tank into two compartments. The upper compartment contains compressed air, and the other is filled with water by the pump.

- Polyethylene liner and butyl rubber diaphragm safeguard water quality
- Equal pressure never puts diaphragm under strain
- Volume of water is equal to average flow of the pump

Bladder tanks

Inside a bladder tank is an elastic butyl rubber bladder surrounded by a cushion of compressed nitrogen. Water is only in contact with bladder itself and not with the steel tank.

- Replaceable bladder extends tank life significantly

High drinking water standard

Tanks in the complete GT range are perfect for containing drinking water. The non-toxic butyl rubber and liner is the only material in contact with the liquid. In general, the tanks are suited for all clean, non-aggressive liquids that do not contain fibre or any solid particle matter.

Highly adaptable

All GT tanks can be integrated in pressure boosting systems with a wide variety of Grundfos pumps. The many sizes available make it possible to find a tank which best suits the system in which it will be used.

GT Tanks can be integrated in pressure boosting systems with a wide variety of Grundfos pump types.

We are able to offer the perferred type of tank for a wide range of domestic applications

A pressure tank optimises your water supply and prolongs the life of a pump by acting as a buffer between teh pump and the outlets in the system

The tanks can be used for a wide range of different applications.

The right tank is available for the right job

Grundfos supplies tanks from 8 – 3000 l, which can supply water between 70° and 90° and up to 10 bar.
You can also choose between a vertical and horizontal tank suit the space available.
You are sure to find the right tank for your system within our standard range. If you need a tank with specifications beyond this, contact Grundfos.

Booster set for the perfect match

In response to customer needs, Grundfos supplies a wide range of preassembled factory-set booster units for industrial and domestic use.
The pump and pressure tank in boosters are coupled to work at maximum efficiency together to solve your specific task. Monitoring and control options further ensure optimal operation and long pump life.
Every step has been taken to supply a range of tanks, which are resistant to corrosion. Stainless steel has been widely used, and the direct contact between water and metal has been avoided. All tanks are intended for all clean, non-aggressive liquids that do not contain fibre or any solid particle matter.

A valve can be a relief

Grundfos recommends that a relief valve be installed, which is to set open at the maximum operating pressure. This will protect the system components. The relief valve should be installed at the connection of the GT-tank to the system piping and have a discharge equal to the pump capacity at maximum operating pressure.

GT tanks are designed to last

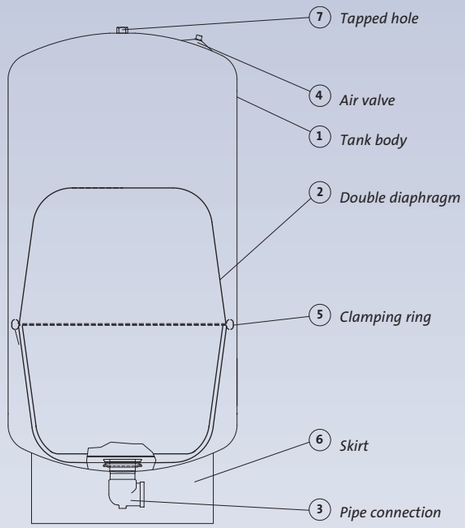
A long and reliable life is embedded in every type of GT tank. The combination of the inner liner, replaceable bladder and stainless steel are just some of the benefits worth mentioning.

Worldwide technical assistance and backup

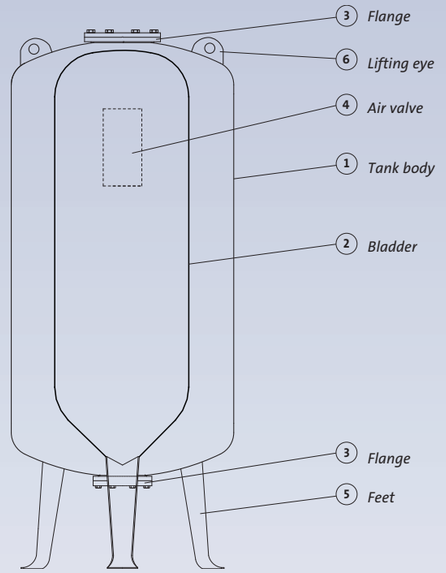
Wherever you are in the world, Grundfos has the tools and expertise to select the right tank type and size for your water supply system. Our worldwide presence assures you on-hand technical assistance and backup throughout the life of all our products. Contact Grundfos for more information to help you select your new tank.

Material specifications

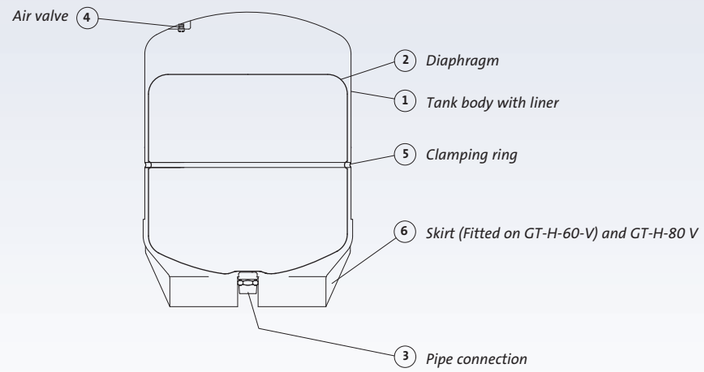
GT-D tank



GT-U tank



GT-H tank



- Pre-pressurised diaphragm tanks provide consistent pressure throughout the home and protects the life of the pump by reducing pump cycling.
- The Grundfos GT tanks operate at any pressure range – pump cut-in to pump cutout – when properly sized.
- All medium size GT tanks have a tapped hole for the attachment of a lifting eye required to lift the tank into position.
- A pressure tank optimises your water supply and prolongs the life of a pump by acting as a buffer between the pump and the outlets in the system. The pumps runs for longer, continuous periods instead of on short sharp bursts every time a tap is turned on and off.

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Being responsible is our foundation
Thinking ahead makes it possible
Innovation is the essence

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