# HYDROPNEUMATIC AIR/WATER TANK **COMPOSE IT™**

## GENERAL OVERVIEW

Compose It ™ hydropneumatic air / water tanks are the most efficient, durable and economical solution for all your applications:
**Water treatment**: oxygenation, aeration before filtration, release of methane or other well gases
**Overpressure**: domestic or professional use, alternative to galvanized tank
The extremely durable and maintenance free Compose It ™ tanks can be adapted to any application thanks to the customization of the fittings on the upper and lower lids and the accessories.

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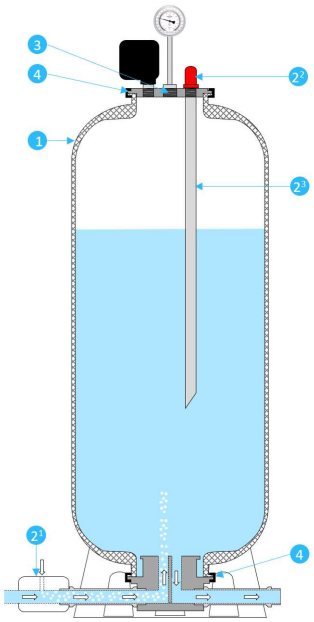
**Tanks from 60 to 450 liters**: Pipe fittings from DN 32 (1"1/4) to DN 65 (2"1/2)
**Working pressure 8 bar**: hydraulic pressure test: 12 bar; burst pressure> 30 bar Compliant with the European Pressure Equipment Directive 2014/68/EU

**Extreme lifetime (100% corrosion free)**
**Warranty 10 years**
**Maintenance free**
**Ultra light tanks**

**Automatic air regulation system**
**Easy to disassemble for a quick access**
**Customisation of pipe fittings**

## ADVANTAGES




1. **Extreme lifetime**
Tank warranty 10 years. Maintenance free. Patented Compose It ™ technology for an improved mechanical resistance. Composite monolithic structure without any welded part, raw materials selected for their extreme durability (High fatigue resistance to cycling, 100% corrosion free).

2. **Automatic air regulation system**
An automatic air injection system (2¹) coupled to a pressure regulation system (air vent - 2² - connected to a dip tube - 2³), allow the tank to be pressurized, ensure air renewal and automatic regulation.

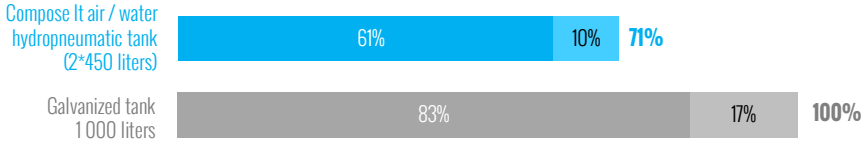
3. **Customisation of pipe fittings and accessories**
Flexible customization of the fittings on the upper and lower lids (fittings up to DN 65 (2"1/2)), number of fittings depending on diameters). Side hole connection (1") possible on request.

4. **Easy to disassemble for a quick access**
Wide opening of 160 mm of diameter with upper and lower PVC lids fixed thanks to a stainless steel clamp for a quick and easy access inside the tank.

Upper lid including the air vent connected to the dip tube, the pressure gauge and the pressure switch

## THE MOST ECONOMICAL SOLUTION OVER TIME

**Decomposition of the average cost of use of a hydropneumatic tank without bladder/membrane**
Period of use : 20 years ; 100% base : galvanized tank
From left to right : Cost of the tank / Installation cost / Total cost




Upper lid with 3 connection fittings

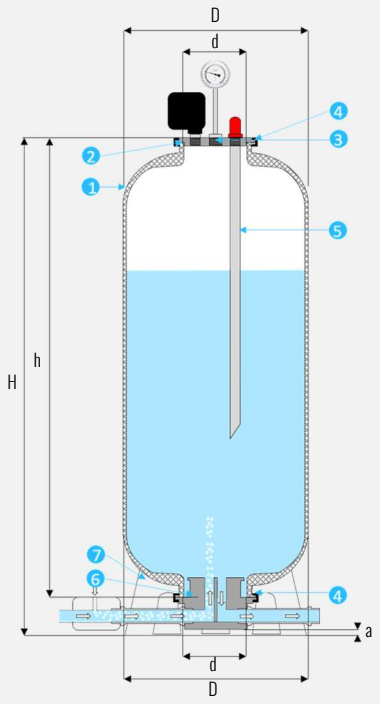
# HYDROPNEUMATIC AIR/WATER TANK COMPOSE IT™

## SPECIFICATIONS

| Tanks | Volume (Liters) | Weight* (kg) | Dimensions* (mm) | | | | |
|---|---|---|---|---|---|---|---|
| | | | H | h | D | d | a |
| Hydropneumatic air/water tank 60 liters | 60 | 9,9 | 650 | 555 | 460 | 160 | 13 |
| Hydropneumatic air/water tank 115 liters | 115 | 12,9 | 975 | 880 | 460 | 160 | 13 |
| Hydropneumatic air/water tank 150 liters | 150 | 14,8 | 1 220 | 1 110 | 460 | 160 | 13 |
| Hydropneumatic air/water tank 230 liters | 230 | 19,8 | 1 070 | 910 | 610 | 160 | 13 |
| Hydropneumatic air/water tank 300 liters | 300 | 22,8 | 1 315 | 1 200 | 610 | 160 | 13 |
| Hydropneumatic air/water tank 450 liters | 450 | 32,6 | 1 825 | 1 710 | 610 | 160 | 13 |

Minimum operating temperature of 1 °C, Maximum operating temperature of 50 °C. Maximum working pressure of 8 bar.
Hydropneumatic air/water tanks in accordance with the European Pressure Equipment Directive 2014/68 / EU
* Diameter, height and weight are subject to change without previous notice

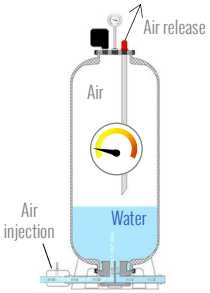
## DESCRIPTION




1. Tank in recyclable thermoplastic composite materials reinforced with glass fibers (monolithic structure with improved mechanical properties) with an extreme lifetime, high fatigue resistance to cycling and 100% corrosion free Tank compliant with chemical agents, aggressive and saline waters
2. Upper lid 160 mm of diameter
3. PVC lid 160 mm of diameter including 3 connections fittings maximum (up to DN 65 (2"1/2))
4. Stainless steel clamp fixed with a nut, simple and quick to use
5. PVC dip tube connected to the air vent
6. Lower PVC lid 160 mm of diameter with water separatation between inlet and oulet, including 2 PVC tubes (male 1"1/4)
7. PVC support

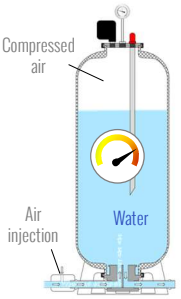
## IN OPERATION

1




When the pump is started, the air is automatically injected into the tank, the excess of air is evacuated by the air vent as long as the water level does not exceed the dip tube.

2



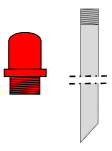

Once the water is above the dip tube, the air is compressed as the water level rises.

## OPTIONS

**Fittings customisation (number and diameter)**

Up to 3 connections (diameter of fittings up to 2"1/2)

**Air vent and dip tube**



Air vent model and tube lenght on request

**Side hole on request**

**Other accessories on request**

Air injection system
Pressure gauge
Pressure switch