

RECOMENDATIONS OF USE

INSTALLATION

- The air release valve has to be always placed in vertical position.
- It is recommended to install a manual valve before each air release valve with the purpose of being able to disassemble it without having to stop the installation.

LOCALIZATION

- **Pump Groups** : In the exit of the pump group and before the retention valve in the highest point.
- **Head Filters**: in the highest point.
- **Flow control Valve**: in the outlet of the valve
- **Mensuration instruments**: to the entrance of these devices.
- **Long pipe tracts with uniform slope**: one each 500 or 1000 m.
- **Slope changes**.
- **Section changes**: the air release valve will be placed in the pipe of more diameter.
- **Points of the pipe of high bench mark**: in the highest point.
- **Underground pipes**: they will be placed keeping in mind the previous indications and also placing a air release valve where the pipe rises to consent to the surface. In the case of watering with underground droppers, is necessary to know the number of air release necessary to avoid the suction of air through the droppers.

number of 2" air release valve

Number of air release 2" necessary to the kinetic air dischas during the filling of the pipes

Number of 2" air release valve	Flow rate (l/min)
1	0-4000
2	4000-8000
3	8000-12000
4	12000-14000
5	14000-18000

MAINTENANCE

- A periodic inspection will be carried out, like with any other automatic element of the installation, cleaning the internal parts and checking the state of all the components of the air release.
- To assure the correct operation of the air release valve, the silicone pipes should not be disassembled in any case.

GESTIRIEGO is reserved the right of modifying some of the technical characteristics of this product. GESTIRIEGO doesn't take the responsibility of the derived consequences of a wrong use of its product, understanding each other for such that that doesn't fulfill the use recommendations.



AIR RELEASE VALVE GTR-1T



TRIPLE EFFECT AIR RELEASE VALVE GTR-1T

The seal "WAVE SYSTEM" developed and patented by GESTIRIEGO, guarantees an effective operation of the air release valve, allowing the discharge of high flows of air when the installation is in load.

PERFORMANCE

Filling of the system: the air is extracted in an effective way since the float stays far from the kinetic air outlet. When water reaches the inside of the air release, the float drops the kinetic and automatic air outlets. In this situation, the air release is totally sealed from 0,2 kg/cm²

Drainage of the system: When the system is empty, the float descends opening the kinetic air outlet, allowing outside air to enter, preventing pipe collapse.

System in load: when the air reaches the air release valve, the float drops, unfolding the silicone pipe, while the shutter stays closing the kinetic air outlet.

MATERIALS

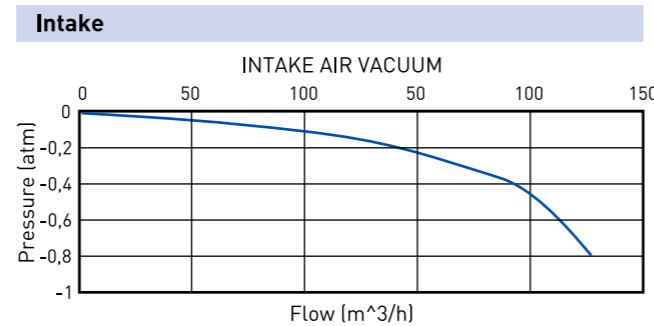
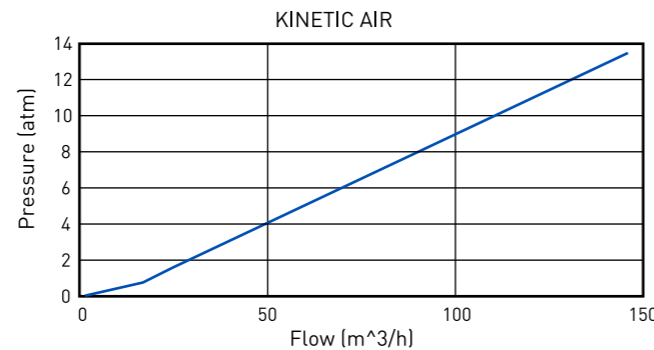
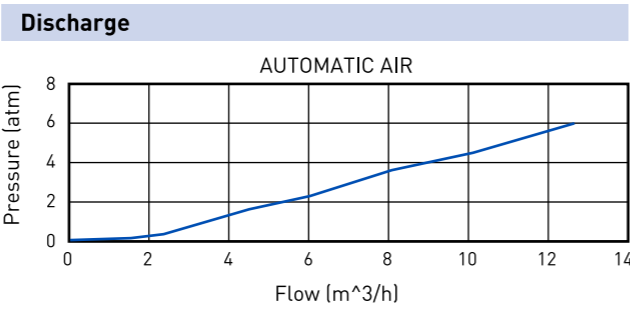
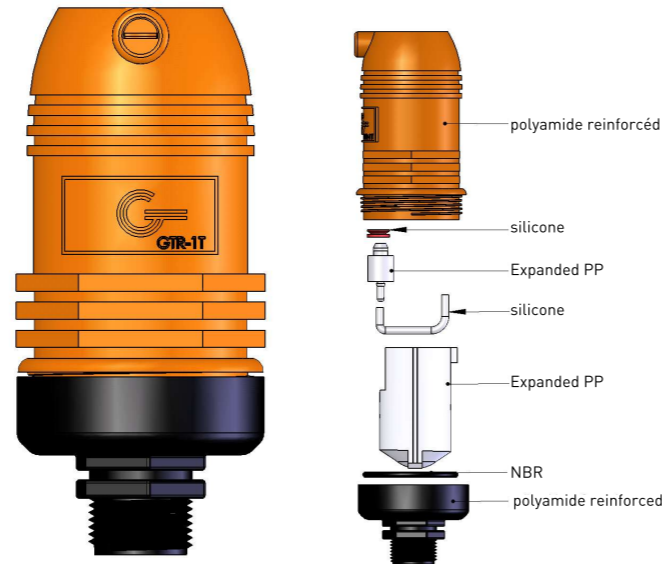
The materials which compose the air release valve have a high resistance to pressure and to chemicals agents dissolved in the water. The seal and the pipe are made of silicone, so they are much more resistant than other made of EPDM or NBR. This way, we can guarantee the right work of the air release during much more time than the rest of existent similar products in the market.

The air release valve can be used in drinkable water systems, because it has been made of materials capable for alimentary use.

LES SPÉCIFICATIONS TECHNIQUES

PN : 16 atm
Closing P : from 0,2 atm
Connection : 1" BSP/NPT
V. extracted air : up to 150 m³/h without premature closing.
Weight: : 0,360 kg

QUALITY CONTROL ACCORDING TO THE UNE:EN 1074



AIR RELEASE VALVE GTR-2T

TRIPLE EFFECT AIR RELEASE VALVE GTR-2T

The air release valve GTR-2T also incorporates the seal "WAVE SYSTEM" which allows discharge higher flows of air.

PERFORMANCE

This air release valve works in a similar way to GTR-1T. In the filling of the system the main seal stays far from the kinetic air outlet allowing the discharge of high flows of air. During the drainage of the system a suction takes place inside the system opening the air release valve and allowing the intake of outside air, preventing pipes collapse, reduces the suction of air through the dropper (very important above all of underground dropper) and avoids the deterioration of other elements of the system.

With the installation in load, when the air reaches the air release, the main seal descends while the secondary seal stays closing the kinetic air outlet. The discharge of air it produces through the silicone pipe of bigger diameter.

MATERIALS

The materials used in the production of this air release valve respond to all demands regarding resistance to pressure and the chemical agents used in the watering. The functional elements of the air release are made of silicone, which is much more resistant than EPDM or NBR. The silicone guarantees the total sealing of the air release valve from 0,2 Kg/cm².

LES SPÉCIFICATIONS TECHNIQUES

PN : 16 atm
Closing P : from 0,2 atm
Connection : 2" BSP/NPT
V. extracted air : up to 160 m³/h without premature closing.
Weight: : 0,360 kg

QUALITY CONTROL ACCORDING TO THE UNE:EN 1074

