

## Technical data sheet

# Type INSUFLAIR 600 and SURPRESS 2

## Float air injector

### Applications and special features



- Functioning with or without suction
- For water tank from 100 up to 1000 litres, maxi 10 bar, whatever the suction conditions - well - tank - town water circuit - (type 600) and up to 2000 litres (type Surpress 2)
- Provided with PA12 (polyamide) pipe 8/10 of 1,5m (type 600) or 0,3m PA12 (polyamide) pipe 10/12 (type Surpress 2)

### Technical description

Type	Tank	References	Vvs-nr
<b>600</b>	1000 litres	<b>149B 5373</b>	
<b>Surpress 2</b>	2000 litres	<b>149B 5374</b>	

- **Connection** : Male 1/2, BSP thread
- **Permissible operating pressure PFA - water-** 10 bar
- **θ** : Mini. 0 °C  
Maxi. 40 °C
- **Mediums** : Clear waters
- **International construction Standards** :  
Thread connection NF E 03-005 ISO 228

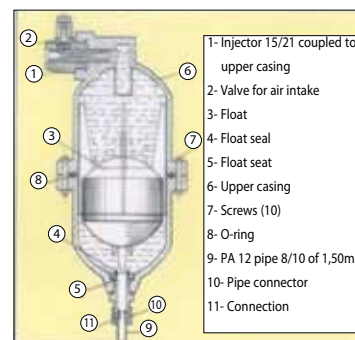
Capacity of the tank not to exceed for each device according to the stop pressure of the system :

Type	3 to 6 bar	7 to 10 bar
<b>600</b>	1000l	750l
<b>Surpress 2</b>	2000l	1500l

## Technical data sheet Insuflair 600\_surpress2

### Spare parts list and materials

N°	Description
1	INJECTOR 15/21 COUPLED TO UPPER CASING
2	VALVE FOR AIR INTAKE
3	FLOAT
4	FLOAT SEAL
5	FLOAT SEAT
6	UPPER CASING
7	SCREWS (10)
8	O-RING
9	PA12 PIPE 8/10 OF 1,50 M
10	PIPE CONNECTOR
11	CONNECTION

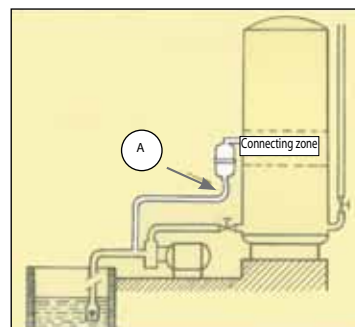


### Mounting

#### 1 - Usual installation on a well or a tank below ground level

**IMPORTANT :** No check valve must be placed between pump and water tank unless it is an anti-hammering valve with at least a passage of  $\varnothing$  6 mm in closed position.

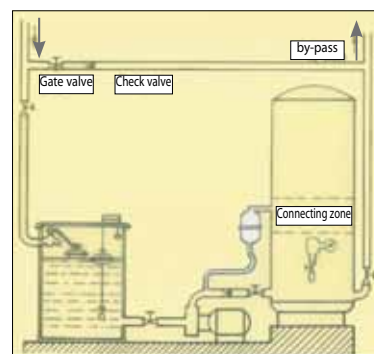
A : PA12 (polyamide) pipe 8/10 of 1,5m delivered with **INSUFLAIR** for connection of apparatus on in-put section of the installation.



#### 2 - Installation with tank fed from town water circuit

**CAUTION :** This type of installation implicates a tank with a head of water; no check valve on suction section; one check valve on unit back flow.

The air is admitted inside the INSUFLAIR when the pump stops and is introduced into main tank when the pump works, i.e. the opposite sequence 1 and 3..

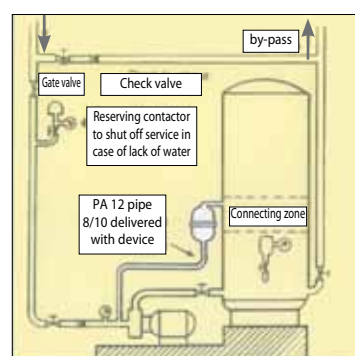


#### 3 - Direct installation on town water piping

**IMPORTANT :** AVERAGE working pressure of unit must be at least twice the town feeding pressure.

Example : When feeding pressure is 3 bar, working pressure must be set at least at 5,5/6,5 bar.

Nevertheless if this condition cannot be fulfilled, the in-put must be reduced (while the pump is working) by means of a gate valve, till the manometer placed between gate valve and pump indicates HALF of the tank pressure. Once regulated, the wheel of the gate valve should be removed to avoid any undue change in regulation.



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