

INSUFLAIR 600 + SURPRESS 2

Float air injector

Technical Data Sheet



Description

- 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 stainless steel braided pipe 8/10 of 1,5m (type 600) or 0,3m stainless steel braided 10/12 (type Surpress 2)



INSUFLAIR 600 + SURPRESS 2

Float air injector

Type	Tank	Ref.
Insuflair 600	1 000 L	149B5373
Surpress 2	2 000 L	149B5374

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

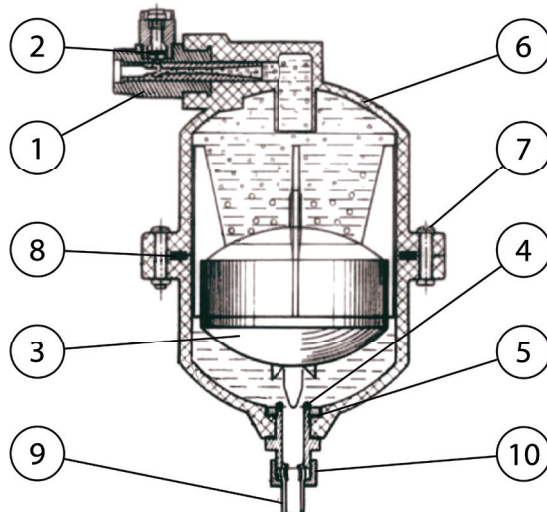
Type	3 to 6 bar	7 to 10 bar
Insuflair 600	1 000 L	750 L
Surpress 2	2 000 L	1 500 L

Technical features

Operating temperature	0 °C to 40 °C
Permissible operating pressure (PFA) in water	10 bar
Connection	Male 1/2, BSP threaded
Mediums	Clear water

Nomenclature and materials

N°	Designation
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	Stainless steel braided pipe 8/10 of 1,50 m
10	Pipe connector



Approvals

International construction Standards :

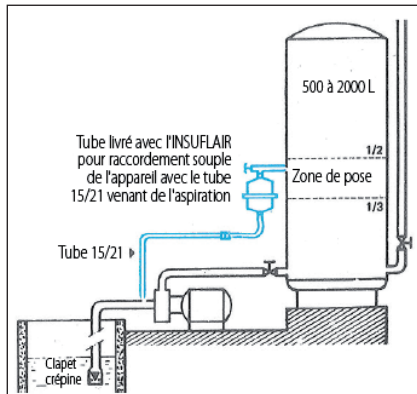
Thread connection NF EN ISO 228-1

Installation (SURPRESS II)

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

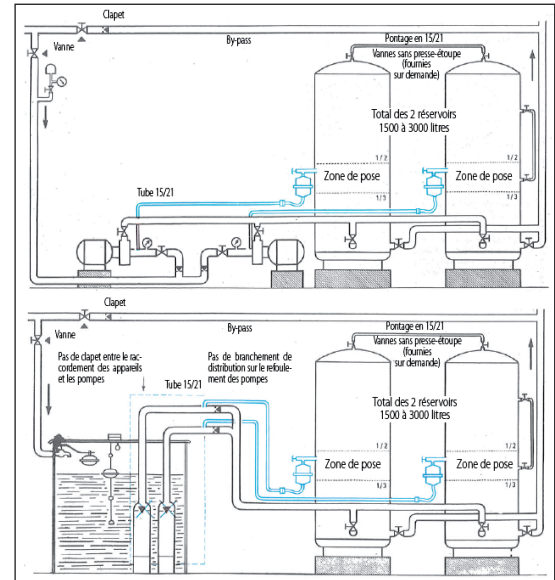
IMPORTANT : no check valve should be placed between pump and water tank unless it is an antihammering valve with at least a passage of \varnothing 6 mm in closed position.

A : Pipe delivered with INSUFLAIR for flexible connection of apparatus on in-put section of the installation.

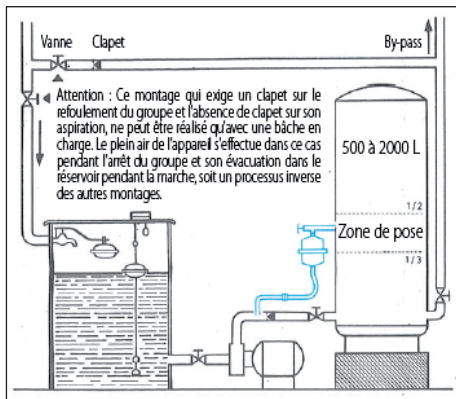


- Installation in cascade

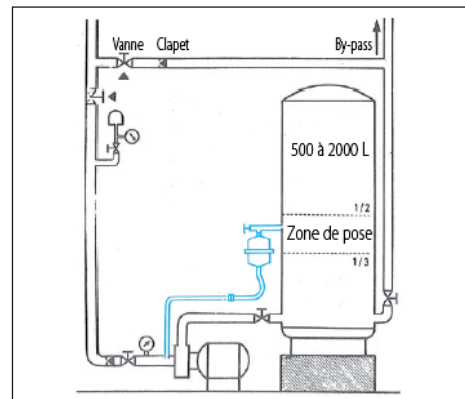
If the town pressure is higher than expected, the suction side gate valve of each pump should be progressively closed (pump working) till the manometer placed between the valve and the pump shows about half the pressure of the tank (the gate valves on the back flow must be fully open).



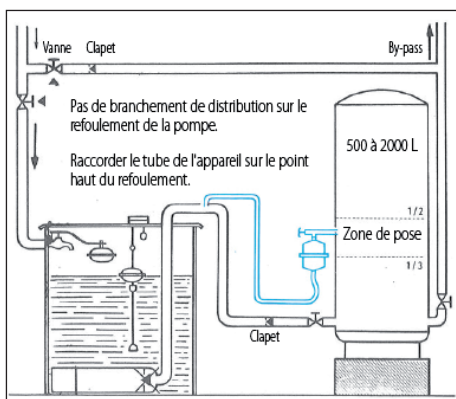
- Installation with tank fed from town water circuit



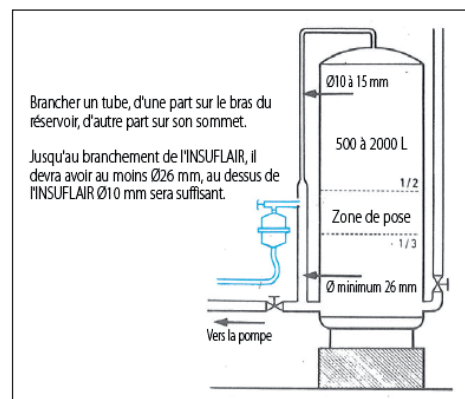
- Direct installation on town circuit



- Installation with cistern on town water circuit



- Installation on tank not provided with an opening in the connecting zone

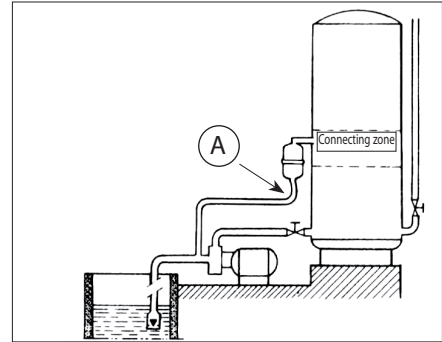


Installation (600)

• 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.

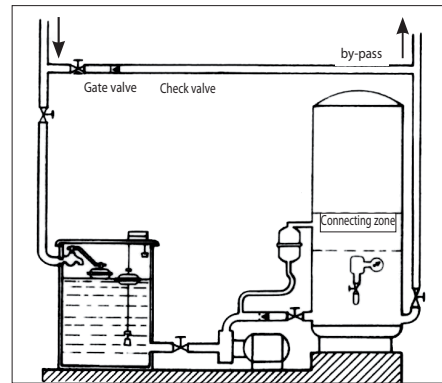
A : Pipe delivered with INSUFLAIR for connection of apparatus on in-put section of the installation.



• 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.

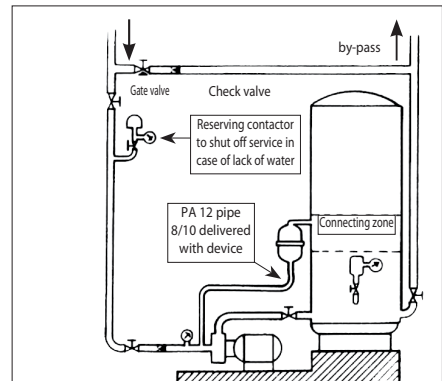


• Direct installation on town water piping

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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Socla sas

365 rue du Lieutenant Putier • 71530 Virey-Le-Grand • France

Tel. +33 03 85 97 42 00 • Fax +33 03 85 97 42 42

contact@wattswater.com • www.socla.com

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