IDRO SYSTEM via Ceno n°21 loc. Capitolo 29100 PIACENZA ITALY
TEL.(039)0523-594362 FAX.(039) 0523 –594097
di ZERMANI GIORGIO

# DIRECTIONS FOR USE

**ATTENTION !!!** Before making operations, read the (**Directions for user)** with attention in the special workbook.

***Before starting, check there is no pressure in the tank!***

**A)** Unscrew the special **Cargo cap (1),** fill the tank up of water until the ***Maximum level*** indicated on the tank, then add the product for the quantity you want and screw the cargo cap.

**B)** Join the **Rilsan Spiral (2)** with the **Outflow cock (3)** and with the **Lance for Sprayer (4),** then close all joints with force.

**C)** Introduce pressure in the tank by using the special **Slipcock (5),** take care do not exceed the ***Maximum pressure*** (6 BAR)indicated by the plate **CE** placed on the tank. After verified there are no losses, press **the Lance handgrip** and spread the product.

**DO NOT INTRODUCE SUBSTANCES**



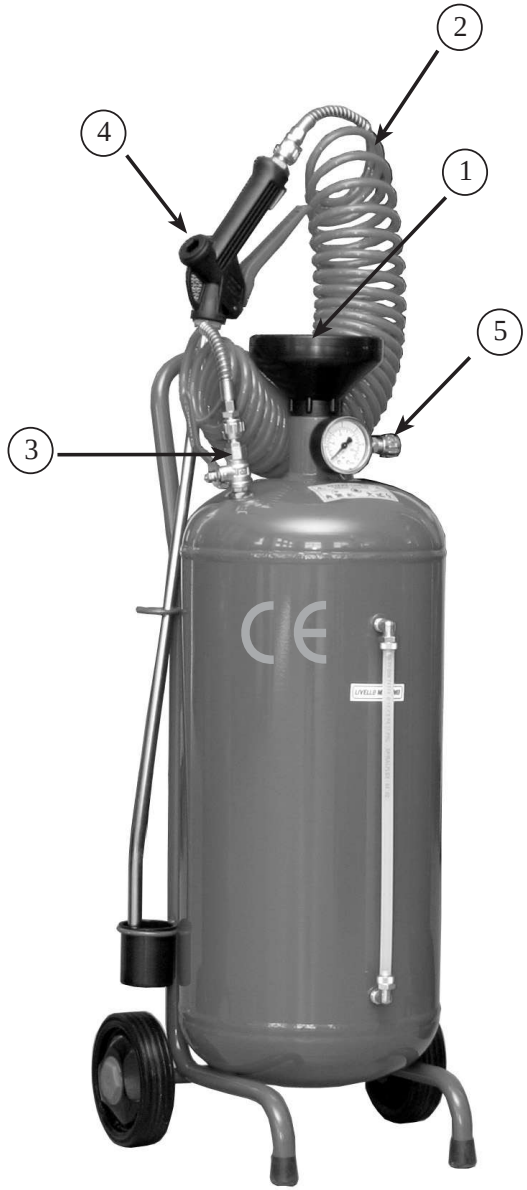
**DO NOT SPREAD ON**



*La ditta produttrice declina ogni responsabilità di eventuali danni a persone animali o cose causati da: manomissioni ad un uso non conforme o errato alle istruzioni d'uso, o alle normative vigenti nel paese in cui viene utilizzato.*

IS

IDRO SYSTEM




(1) Cargo cap
(2) Rilsan Spiral
(3) Outflow cock
(4) Lance for sprayer
(5) Slipcock

IS

IDRO SYSTEM
via Ceno n°21 loc. Capitolo 29100 PIACENZA ITALY
TEL.(039)0523-594362 FAX.(039) 0523 –594097
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**LOOK OUT !!!** Before making every operation check there is no pressure in the tank!!

## SPRAY WAY

**A)** Fill up the tank of water until about 70% ,then add the product in the quantity indicated by the supplier and close the funnel cap (1) with strenght.

**B)** Join the equipped rubber tube (2), the lance (4) and the spray nozzle-(5)with the special product outflow cock(5).
Close all joints with strenght and verify the below foam valve cock is closed point(6) and that the uppen one is open

**C)** Join the compressed air tube with the pressure regulator (7) then supply pressure by regulating it to about 4-5 BAR-. After verified there are no leaks press the handgrip and spread the product.

**ATTENTION !!!** Before making every operation check there is no pressure in the tank!!

## FOAM WAY

**D)** Replace spray nozzle(4) with special foam spreader (8). Introduce air pressure in the tank, press the handgrip, then open the foam valve cock(6) regulating foam density you want; Act on foam valve cock (6) to regulate the quantity.

**DO NOT INTRODUCE**

INFLAMMABLES
EXPLOSIVES
CORROSIVES



**DO NOT SPREAD ON**

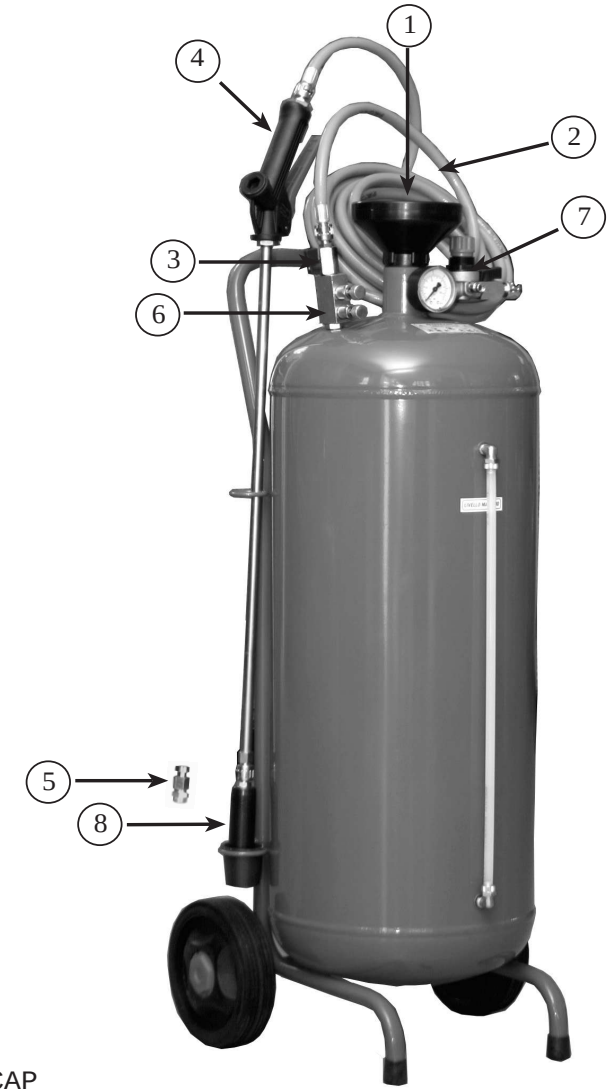
PERSON
ANIMALS
THINGS NOT FIT



*La ditta produttrice declina ogni responsabilità di eventuali danni a persone animali o cose causati da: manomissioni ad un uso non conforme o errato alle istruzioni d'uso, o alle normative vigenti nel paese in qui viene utilizzato.*

IS

IDRO SYSTEM




(1) CARGO CAP
(2) RUBBER TUBE
(3) OUTFLOW COCK
(4) LANCE HANDGRIP
(5) SPRAY NOZZLE
(6) FOAM VALVE
(7) PRESSURE REGULATOR
(8) FOAM SPREADER

IS

IDRO SYSTEM
di Zermani Giorgio
Via Ceno 21- 29100 PIACENZA ITALY
Tel.(039) 0523/594362 Fax (039) 0523/594097

# Declaration of conformity

*(By VII Enclosure of 97/23/CE Directive )*

**Description of built pressure equipments:**

1)

**A.**

| Description | SERIAL N° | Plan number |
|---|---|---|
| Pressure vessel | *FE50400* / **05** | Plan n° F5002 |

2)

**B.**

| PRESSURE TANK | Pressure of service (Bar) | Temperature of service C° | hydraulic pressure (Bar) | Fluid Type | Fluid * | Capacity(L) |
|---|---|---|---|---|---|---|
| Main body | 6 | +05 ÷ +50 | 9 | $H_2O$+not corrosive detergent | LIQ. | 49 |

3)

**C.** These pressure equipments are classified in II class in conformiy with the II Encl. of Lgs. D. of 25/02/00 n. 93 and they are estimated according to the A1 Form (Inside Test of Making and Supervision of Final Inspection) on the basis of the 10 Art. and of the III Encl. III of the Lgs. D. of 25/02/00 n. 93.

4)

**D.** 0100 ISTITUTO SUPERIORE PER LA PREVENZIONE E LA SICUREZZA DEL LAVORO (I.S.P.E.S.L.) Via Alessandria, 220 - 00198 ROMA

5)

**E.** Harmonized and not harmonized rules enforced to the planning and the building:

6)

Statute-roll I.S.P.E.S.L. M (ed. 1995)
Statute-roll I.S.P.E.S.L. S (ed. 1995)
Statute-roll I.S.P.E.S.L. VSR (ed. 1995)
UNI EN 287-1
UNI EN 288-3
UNI EN 10025

For all over explained,

7)

**IT STATES**

8)

that the pressure equipments described in A and B points and checked in conformity with C, D, E points, satisfy the essential requisites of security provided for by the I Encl. of the 97/23 /CE Directive and enforceable to it.

It states also that the equipment has been submitted to hydraulic pressure test in conformity with the pressure indicated by the B point of the schedule. The result has been favourable and the equipment has been CE marked with the following data:

9)

| | | |
|---|---|---|
| Year of making: | | 2005 |
| Setting pressure of safaty-valve: | | bar 6 |
| Hydraulic pressure: | | bar 9 |
| Volume: | | L 49 |
| Temperature: | | °C +5 ÷ +50 |
| Class of risk: | | II |
| Classification: | | A1 Form |
| group of products: | Group 2 | $H_2O$+ not corrosive Deterg. |

10)

Piacenza 28/04/05

Il Responsabile
IDRO SYSTEM

**Stato Fisico**: **L**=liquid **V**=steam

MOD. A1 = TANK LT. 50 - 100

[illegible]
[illegible]DIRECTIONS FOR USE AND SERVICING"
[illegible]
[illegible]DIRECTIONS FOR USER"[illegible]

## DIRECTIONS FOR USE

1) **BEFORE MAKING OPERATIONS, CHECK THERE IS NO PRESSURE IN THE TANK; IF NECESSARY, OPEN THE AIR COCK.**

2) **UNSCREW THE CARGO CAP IN THE MIDDLE OF THE FUNNEL, THEN FILL UP THE TANK OF PRODUCT UNTIL ABOUT 80% OF HIS CAPACITY, THEN SCREW.**

3) **INTRODUCE PRESSURE IN THE TANK ACCORDING TO MAXIMUM PRESSURE INDICATED BY THE SPECIAL *CE PLATE*.**

4) **OPEN THE BALL-DETERGENT COCK, PRESS THE HANDGRIP AND SPREAD THE PRODUCT IN UNIFORM WAY, FROM THE BOTTOM UPWARDS.**

*FOAM - WAY ONLY:*

5) **REPLACE THE SPRAY NOZZLE WITH THE EQUIPPED SPREADER; REGULATE THE FOAM DENSITY BY USING THE SPECIAL COCKS OF THE FOAM VALVE, AND KEEP ALWAYS THE TANK UNDER PRESSURE.**

## ATTENTIONS

[illegible]
[illegible]
[illegible]
[illegible]

IDRO SYSTEM
di Zermani Giorgio
Via Ceno 21- 29100 PIACENZA ITALY
Tel.(039) 0523/594362 Fax (039) 0523/594097

24 LT Certified Sprayer
97/23/CE Directive cat.I mod.A
Destined to hold fluids not corrosive of Group 2

| | |
|---|---|
| They are not admitted fluids: corrosive, noxious, inflammable, dangerous for environment and all fluids that compromise sprayer integrity and security. | Min. Temperature. : + 5°C<br>Max. Tempereture.: +50°C<br>Max. Pressure: 6 BAR<br>Min. thickness of tank walls: 1,5 mm |

## DIRECTIONS FOR USER

1) Before making operations on sprayer,verify that it has not suffered damages or blows during the transport, check there is not inside pressure and read the directions with attention.

2) Sprayer must hold substances not corrosive, not noxious, not inflammable, not volatile (ex. solvents) not burning or liquids that compromised sprayer integrity. For liquid illing, follow the "**maximum level**" plate whown on sprayer.

3) Before rasing pressure the tank, verify that all components of sprayer are integral and perfectly closed and that they work.

4) Raise maximum granted pressure the tank, at allowed temperature, all indicated by **CE** plate .

5) Avoid the contact of walls with abrasive or corrosive substances or in places which are exposed to heat springs or to inflammables material.

6) Use sprayer always apeak, on the special supports and with care, making sure do not cause crashes or casual falls; in that case, arrange for sprayer change.Please do not bend sprayer with inside liquid, so during the transport , to avoid the contact within liquid product and control and security apparatus that are assembled at the upper side.

7) When you havefinished to use sprayer, empty it from the liquid and, in the case of slightly alkaline liquids, make an abundant inside water rinse.

8) Make recurrent examinations of all coponents, on the tank, on inside and outside walls, verify its corrosion and wear. Attention! The minimum thickness that walls of tank can attained is 1,5 mm.; under this thickness sprayer can not be used no more.

9) Infringement or improper use of sprayer is forbidden.
For service, follow laws in force in the country where it is used.

10) For sprayer use, follow the enclosed workbook.

*La ditta produttrice si esonera da ogni responsabilità, qualora anche uno solo dei punti sopra descritti, non sia stato rigorosamente osservato.*

IDRO SYSTEM

IDRO SYSTEM
di Zermani Giorgio
Via Ceno 21- 29100 PIACENZA ITALY
Tel.(039) 0523/594362 Fax (039) 0523/594097

# Declaration of conformity

(*By VII Enclosure of 97/23/CE Directive )*

**Description of built pressure equipments:**

**A.**

| Description | SERIAL N° | Plan number |
|---|---|---|
| Pressure vessel | *FE2406300* / **05** | Plan n° F2002 |

**B.**

| PRESSURE TANK | Pressure of service (Bar) | Temperature of service C° | hydraulic pressure (Bar) | Fluid Type | Fluid * | Capacity(L) |
|---|---|---|---|---|---|---|
| Main body | 6 | +05 ÷ +50 | 9 | $H_2O$+not corrosive detergent | LIQ. | 24 |

**C.** These pressure equipments are classified in I class in conformiy with the II Encl. of Lgs. D. of 25/02/00 n. 93 and they are estimated according to the A Form (Inside Test of Making) on the basis of the 10 Art. and of the III Encl. III of the Lgs. D. of 25/02/00 n. 93.

FAC-SIMILE

**D.** Harmonized and not harmonized rules enforced to the planning and the building:

Statute-roll I.S.P.E.S.L. M (ed. 1995)
Statute-roll I.S.P.E.S.L. S (ed. 1995)
Statute-roll I.S.P.E.S.L. VSR (ed. 1995)
UNI EN 287-1
UNI EN 288-3
UNI EN 10025

For all over explained,

**IT STATES**

that the pressure equipments described in A and B points and checked in conformity with C, D points, satisfy the essential requisites of security provided for by the I Encl. of the 97/23 /CE Directive and enforceable to it.

It states also that the equipment has been submitted to hydraulic pressure test in conformity with the pressure indicated by the B point of the schedule. The result has been favourable and the equipment has been CE marked with the following data:

| | |
|---|---|
| Year of making: | 2005 |
| Setting pressure of safaty-valve: | bar 6 |
| Hydraulic pressure: | bar 9 |
| Volume: | L 24 |
| Temperature: | °C +5 ÷ +50 |
| Class of risk: | I |
| Classification: | A Form |
| group of products: Group 2 | $H_2O$+ not corrosive Deterg. |

Piacenza 14/06/05

Il Responsabile

IDRO SYSTEM

**Stato Fisico**: **L**=liquid **V**=steam

MOD. A = TANK LT. 24

IDRO SYSTEM
di Zermani Giorgio
Via Ceno 21- 29100 PIACENZA ITALY
Tel.(039) 0523/594362 Fax (039) 0523/594097

IDRO SYSTEM
29100 - Piacenza ITALY

CE

Tipo: *Model* Nebuliz.LT

Anno: *Year*

Lotto n: *Serial n°*

FAC-SIMILE

PT = 9 bar
PS = 6 bar
TS = +5÷ +50°C
V = L

O.N.: ISPESL 0100 Cat.Rischio =**II(mod A1)**

IDRO SYSTEM
29100 - Piacenza ITALY

CE

Tipo: *Model* Nebuliz.LT

Anno: *Year*

Lotto n: *Serial n°*

FAC-SIMILE

PS = 6 bar
TS = +5÷ +50°C
V = L

Cat.Rischio =**I(mod A)**

ISTITUTO SUPERIORE PER LA PREVENZIONE
E LA SICUREZZA DEL LAVORO
Dipartimento di PADOVA

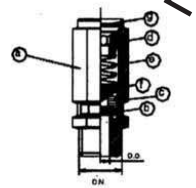
## *DICHIARAZIONE DI CONFORMITÀ*
## *(ai sensi dell'Allegato VII della Direttiva Europea 97/23/CE)*

## VALVOLE DI SICUREZZA
## A SCARICO DIRETTO PER ARIA, GAS INERTI, VAPORE SATURO.

FAC-SIMILE

### MATERIALI IMPIEGATI

a – Corpo valvola: OTTONE UNI EN 12164
b – Guarnizione: NBR – VITON
c – Otturatore: OTTONE UNI EN 12164
d – Ghiera: OTTONE UNI EN 12164
e – Molla: ACCIAIO C98 UNI 3823
INOX AISI 302
f – Spillo: ACCIAIO CB4 UNI 7356/74
g – Piastrina: ALLUMINIO
h – Anello: ACCIAIO C 75 (su richiesta)



### CARATTERISTICHE TECNICHE

- Sigla del costruttore: Air Tek
- D. N. ingresso: 1/4 gas
- P. N. ingresso: MAX 25 bar
- Diametro orifizio: 6 mm
- Alzata: 1,708 mm
- k coeff.di efflusso: 0,541
- Sovrapressione: 10%
- Scarto di chiusura: 10%
- Portata: 100 Kg/h
- Temperatura di esercizio: NBR -10 C +90 C
  VITON -10 C +250 C
- Campo di taratura: da 0 a 18 bar

**C** Procedure di valutazione di conformità utilizzate: **Moduli B+D**
(rif. allegati II e III della Direttiva 97/23/CE)

**D** Numero, nome ed indirizzo dell'Organismo Notificato: **0100/ISPESL** - Via Alessandra, 220 - Roma

**E** Estremi "dell'Attestato di esame CE del Tipo": **Modulo B** n 0537/02/CE del 08/08/02

**F** Estremi dell'Attestato di Conformità rilasciato dall'Organismo Notificato: **Modulo D** n 0538/02/CE del 08/08/02

Per quanto sopra esposto,

**si dichiara**

che l'attrezzatura a pressione descritta e verificata in accordo ai punti **C,D,E,F,** soddisfa i requisiti essenziali di sicurezza previsti nell'allegato I della Direttiva **97/23/CE** ed ad essa applicabili.

Si dichiara inoltre che l'attrezzatura é stata sottoposta come previsto dal nostro sistema di qualità aziendale a prova di pressione pneumatica con esito favorevole alla pressione di 35,75 bar e al controllo finale della taratura (scheda di collaudo n°....) e che è stata marcata **CE** con i dati seguenti: **DIR 97/23/CE ON0100 NS**

Località e data

Montecchio Maggiore 17/09/2002