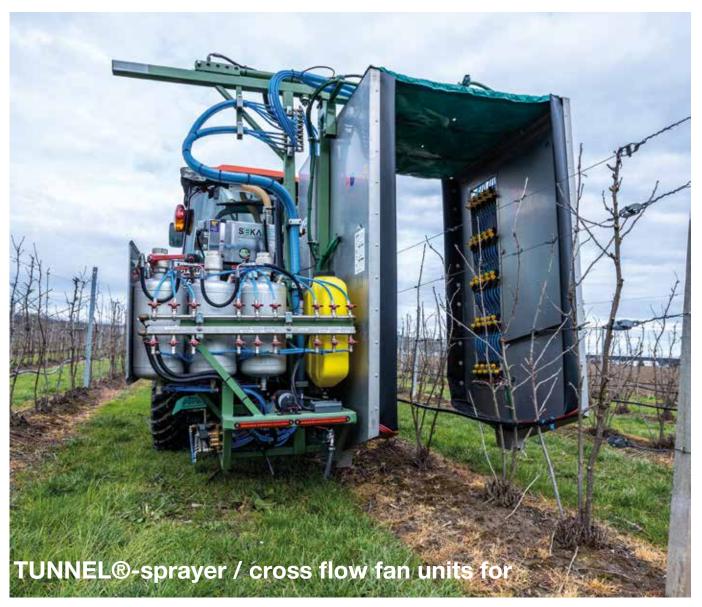
PLOT SPRAYERS



manufacturers of pesticides | institutes | testing operators | testing providers



Over-row TUNNEL® sprayer

saddle-mount unit TSG-A1

for 3-point attachment to tractor · with stepless width adjustment



Technical data:

Max. row height : 2.30 m (90 in.)
Width adjustment : 0.20-1.10 m (8-43 in.), stepless

Application on both sides : with recycling

- Frame with hydraulic width adjustment
- Pressure tanks made of stainless steel (quantity and volume)
- · Double-sided compressor with balance tank, hydraulic device
- LIPCO TUNNEL® with two nozzle tubes each pressure tank
- More tanks and nozzle tubes upon request
- Tank for fresh water / rinsing / hand-wash
- Electrical control
- Control unit (armature, pressure control, display)



Over-row TUNNEL®sprayer trailer unit TSG-N1

with articulated drawbar · with stepless width adjustment



Technical data:

Max. row height : 2.30 m (90 in.)

Width adjustment : 0.20-1.10 m (8-43 in.), stepless

Application on both sides : with recycling

- Frame with hydraulic width adjustment
- Pressure tanks made of stainless steel (quantity and volume)
- Double-sided compressor with balance tank, power take-off drive
- LIPCO TUNNEL® with two nozzle tubes each pressure tank
- More tanks and nozzle tubes upon request
- Tank for fresh water / rinsing / hand-wash
- Electrical control
- Control unit (armature, pressure control, display)
- Hydraulic steering drawbar and height adjustment as an option)



Over-row TUNNEL® sprayer

mounting unit TSG-R1

for connection to caterpillar vehicles / dumper

· with stepless width adjustment





Technical data:Max. row height

ht : 2.20 m (87 in.)

Width adjustment : 0.20-1.10 m (8-43 in.), stepless

Application on both sides : with recycling

- · Frame with hydraulic width adjustment
- Pressure tanks made of stainless steel (quantity and volume)
- Double-sided compressor with balance tank, hydraulic device
- LIPCO TUNNEL® with two nozzle tubes each pressure tank
- · More tanks and nozzle tubes upon request
- Tank for fresh water / rinsing / hand-wash
- Electrical control
- Control unit (armature, pressure control, display)
- HINOWA Doc Trak: hydraulic width adjustment of caterpillar frame as an option



Over-row cross flow fan unit

saddle-mount unit / trailer unit GSG-A1/N1

Same equipment as TSG-version, but equipped with cross flow fans

(air assistance)

for connection to



Technical data:

Max. row height : 2.30 m (90 in.)

: 0.20-1.10 m (8-43 in.), stepless Width adjustment

Application on both sides : with recycling

- Frame with supporting arm for cross-flow fan
- Pressure tanks made of stainless steel (quantity and volume)
- · Double-sided compressor with balance tank, hydraulic device
- One nozzle tube each pressure tank
- More tanks and nozzle tubes upon request
- Tank for fresh water / rinsing / hand-wash
- Electrical control
- Control unit (armature, pressure control, display)

LIPCO tangential fan type QS							
Туре	Fan length (mm / in.)	Fan ø (mm / in.)	Max. row height (m / in.)				
QS 12/140	1,385 / 55	125 / 5	2.20 / 87				
QS 15/160	1,590 / 63	250 / 10	2.20 / 87				
QS 15/190	1,900 / 75	250 / 10	2.50 / 98				
QS 15/250	2,535 / 100	250 / 10	3.10 / 122				
QS 15/285	2,865 / 113	250 / 10	3.30 / 130				
QS 15/315	3,180 / 125	250 / 10	3.50 / 138				



Over-row cross-flow fan unit

Mounting unit **GSG-R1**

for connection to caterpillar vehicles/dumper





one-sided position of fans for working under hail protection mesh in fruit growing Retrofit kit for over-row using in viniculture, the outer fan can be rotated hydraulically

Technical data:

Max. row height : 3.50 m (138 in.)

Width adjustment : 0.20-1.10 m (8-43 in.) (viticulture) /

none (fruit growing), stepless

Application on one side : without recycling

Possibility of using the sprayer under hail protection mesh!

- · Frame with supporting arm for cross-flow fan
- Pressure tanks made of stainless steel (quantity and volume)
- Double-sided compressor with balance tank, hydraulic device
- One nozzle tube each pressure tank
- More tanks and nozzle tubes upon request
- Tank for fresh water / rinsing / hand-wash
- Electrical control
- Control unit (armature, pressure control, display)
- Kombi-kit with add-on fan in viticulture (over-row) as an option



Over-row TUNNEL® sprayer

Trailer unit TSG-NO1

for lower link attachment to tractor

- · with stepless width adjustment
- · with drawbar incl. steering drawbar
- · with tangential crossflow fans



Technical data:

Max. row height : 2.50 / 3.00 / 3.50 m (98 / 118 / 138 in.)

Width adjustment : 0.20-2.20 m (8-87 in.), stepless

Application on both sides : with recycling

- · Frame with hydraulic width adjustment
- Pressure tanks made of stainless steel (quantity and volume)
- Double-sided compressor with balance tank, power take-off shaft
- LIPCO TUNNEL® with two nozzle tubes each pressure tank
- · More tanks and nozzle tubes upon request
- Tank for fresh water / rinsing / hand-wash
- Electrical control
- Control unit (armature, pressure control, display)



Over-row sprayer TSG/GSG











Technology

LIPCO-application unit, construction and design are made upon costumer request:

Pressure tank made of stainless steel

- Raw material 1.4571
- · Pressure tank test classification 2 or 3
 - pressure equipment directive (97/23/EG) with test certificate
- Permitted overpressure +16 bar / -1 bar (vaccum)
 - test pressure 22.9 bar permitted temperature +50 °C
- Filling hole 2" ball valve made of stainless steel
- Tank can pressureless be emptied by a 3-way valve
- Integrated cleaning nozzle
- · Pneumatic agitator
- · Savety valve on every tank
- · One-way-valve
- Modular construction can be upgrated



Volume of tank (in liter)

Tank made of stainless steel	Max. working pressure 16 bar					
Volume (I.)	6	12	17	25	30	55
Product	96	192	272	400	480	880

Nozzles: arrangement (upon request)

- Nozzle leverage arranged in a row or shifted arrangement
- Distribution block PA
- Equipment nozzle block: simple nozzle/double nozzle is individually lockable or screwed in a block
- Nozzle configuration with flat fan nozzles upon request (standard/injector)



Nozzle tube shifted arrangement



Nozzle tube arranged in a row



Distribution block PA shifted arrangement



Distribution block PA arranged in a row



Technology

Compressor Compressed air production for pressure tanks made of stainless steel

two-step piston compressor with fan propeller and suction filter

block aggregate type BK 119, oil lubricated

max. 15 bar, 578 l/min

hydraulic device (hydraulic pomp power of 30 l/min is necessary or via PTO shaft - 5 KW

weight 26.5 kg



compressor type BK 119

Control / armature / handling



manual control



full electric control, programmable (with data transfer)

LIPCO – control box with toggle switch, control lamp, pressure control, electric control and control unit as an option,

arrangement/operating position upon agreement

system compressed air manometer:

class of accuracy 1.0, 1/2", D. 100, scale division=0.5 bar

Pressure tank filling unit electrical





Technology

Recycling of non-deposited plant protection agent: return to the PE tank

When system operation via compressed air a 12 V submersible pump is used. When using of a piston diaphragm pump, non-deposited plant protection agent is returned via **LIPCO** injector extraction system (venturi nozzle).



12 V submersible pump



collection tray with injector TSG (without air support)



collection tray with injector GSG (tangential fan)

Fresh water recycling tank - hand-wash tank made of polyethylene

The size of the tank depends on the number of pressure tanks / test procedure and are putted together individually:



Volume tank (I.)	L x W x H (mm)
hand-wash tank 15 l.	420 x 135 x 400
30	500 x 130 x 580
50	800 x 170 x 420
85	630 x 340 x 680
105	630 x 340 x 780
200	960 x 560 x 550
300	1050 x 605 x 760
400	1050 x 605 x 1015

LIPCO product program



TUNNEL®-sprayers for viniculture and fruit growing and for similar special crops

Over-row cross-flow fan units for viniculture and fruit growing and for similar special crops





Carrier vehicles and implements for landscaping, for municipal services and facility services



Harvesting machines for stone fruits and seed fruits







We look forward to hearing from you.

Sales: +49 7841 6348-123 Spare part sales: +49 7841 6348-122

Manufacturer & Sales

Your dealer:

LIPCO GmbH Am Fuchsgraben 5b D-77880 Sasbach

Phone: +49 7841 6348-0 Fax: +49 7841 6348-300

E-Mail: mail@lipco.com Website: www.lipco.com