

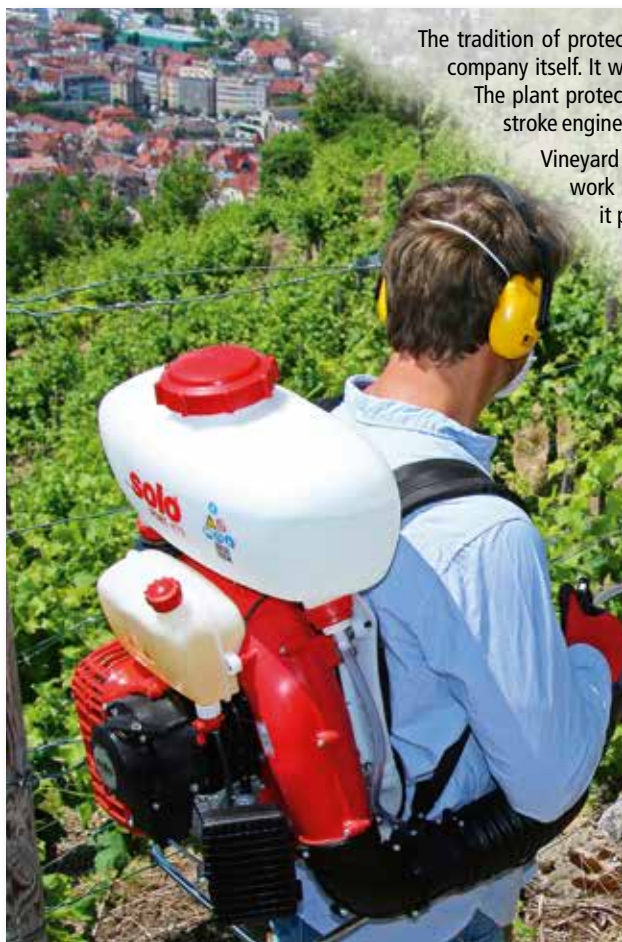
solo®

THE BETTER CHOICE. SINCE 1948.
German quality sprayers and cut-off machines



PLANT PROTECTION AND LANDSCAPE MANAGEMENT
Sprayers. Misters. Blowers. Granulate spreaders.

SOLO – Pioneers of mobile plant protection technology



The tradition of protecting and caring for plants and plantations goes right back to the early days of the company itself. It was founded over 70 years ago in 1948, in the wine producing area around Stuttgart. The plant protection sector soon became one of the applications for the small and lightweight two-stroke engine. At the time, the fledgling business still traded under the name "Kleinmotoren GmbH".

Vineyard owners in and around Stuttgart were justifiably impressed by how much easier their work became as a result of this new generation of appliances. This innovation finally made it possible for someone to work on their own, that is to say "solo". It also explains how the current brand name came into being in the early days of this family-run business. Today, the company is run by the second generation of the same family.

All that followed is closely linked to the name SOLO: mobile plant protection technology that enjoys the best of reputations – all around the world, be it in German gardens, the vineyards of France, cocoa plantations in Africa, cotton fields in Asia and coffee plantations in South America. SOLO appliances are also used to disinfect larger buildings.

In order to meet these diverse requirements, the range of plant protection appliances from SOLO provides everything you might need – from small, manually operated 1-litre sprayers to high performance backpack misters with large tank and powerful two-stroke engines. An extensive range of accessories rounds off our plant protection appliances.



Four tips to help you choose the right product

1

Pressure sprayer or backpack sprayer?

The answer to this question often depends on the size of the area to be treated. If it's on the small side, a pressure sprayer with shoulder strap will suffice. For larger areas, backpack sprayers are more suitable as they are comfortable to carry and have a larger capacity. All that is left to decide is whether you want to operate the pump manually or let a battery or petrol driven unit do the work for you.

2

Tall plants?

If you need to treat tall plants, you should use extension wands. They will help you reach the right places and apply the medium more accurately. As well as being made of plastic material, spray wands are also available in robust brass or even ultra-light carbon. The telescopic carbon spray wand, which can be extended up to 230 cm, weighs just 160 g. This protects the operator's joints even during longer working periods.

3

Liquid or solid?

All SOLO sprayers are designed for applying liquid media. However, the nozzles vary depending on the application: flat spray nozzles for ground spraying, hollow cone nozzles for individual plants, insecticides and fungicides. Herbicides are best applied with deflector nozzles. With solid granulate, SOLO 421 is the product of choice. It distributes the medium evenly over the required area – and can also be used in winter to apply gritting salt to pathways.

4

When to use a mister rather than a sprayer?

In large scale agricultural plantings, orchards, horticulture, vineyards and in many other cultivated plant stocks around the world, it is crucial for the media to successfully reach and penetrate the crops. SOLO power misters are designed to accomplish precisely this. They generate a powerful air flow which splits the plant protection spray medium into a fine mist to effectively cover all the required parts of the plant.

Classic, Comfort or Pro...

SOLO CLASSIC

SOLO COMFORT

SOLO PRO

Whether you're an occasional user, a discerning private user or a professional, you're guaranteed to find the right product to suit your requirements in one of our three equipment lines.

It goes without saying that our CLASSIC sprayers are also of the same high quality you would expect from all SOLO products. The differences are found in the equipment features and ease of use. All backpack sprayers in the COMFORT series and above are fitted as standard with FKM seals ("Viton®") in all the important places. Moreover, the PRO backpack sprayers feature a lightweight, telescopic spray wand and are especially comfortable to wear, preventing tiredness even after prolonged periods of use.

Three battery-operated sprayers, one power sprayer and three power misters are low in weight and boast a powerful output. Whether they use electric motors, 2-stroke SOLO engines or 4-stroke Honda engines, these tools combine high levels of performance and top quality. In addition to sprayers and misters, the PRO series also features the 421 granulate spreader and the new 468 backpack blower.

SOLO – the right choice for any application

Sample applications for SOLO sprayers and misters		403	408	401	461	456	424/425/435	425	475	425	441	433	423
		404	409	402	462	457	473D/475	Comfort	Comfort	PRO	442	417	452
			453			458	Classic				416 Li		
Plant protection	Plants on balconies and patios	●		●									
	Private gardens, decorative plants, shrubs	●	●	●	●	●	●	●	●				
	Large private gardens, decorative plants, shrubs, plantings				●	●	●	●	●	●	●	●	
	Professional horticulture and landscaping, greenhouses					●	●	●	●	●	●	●	
	Espaliered trees, trees						●	●	●	●	●	●	●
	High trees											●*	●
	Weed control		●		●	●	●	●	●	●	●		
	Agricultural crops in general							●	●	●	●	●	●
Agriculture	Large scale plantings, such as orchards, vineyards, plantations and horticultural operations												●
	Plant protection					●		●	●	●		●	●
	Disinfection												●
	Pest control												●
Woodland maintenance	Plant care								●	●	●		
	Protection against game attack								●	●			

*With suitable accessories



Fungicides

Eliminate fungi



Insecticides

Eliminate pests



Herbicides

Care for and fertilise lawns



Fertilisers

Care for and fertilise plants



Disinfectant

Eliminate viruses and bacteria

Are you looking for a sprayer or foam sprayer that is specially designed for cleaning agents and disinfectants? Then ask about our **CLEANLine** sprayers.

Where can you find what you need in this catalogue?

Manual sprayers	04	Specification	30
Pressure sprayers	08	Spray wand accessories	32
Trolley sprayers	08	Nozzle accessories	34
Backpack sprayers	12	Accessories for sets of seals	35
Battery-operated pressure sprayer	16	Other accessories	36
Power sprayers	22	Accessories for power sprayers	37
Misters	24	Accessories for misters	38
Granulate spreaders	28	Two-stroke oil and mixing container	39
Blower	29	Batteries and chargers	39



MANUAL SPRAYERS

Manual sprayers are an inexpensive and indispensable aid for a variety of applications around the home. Plants on balconies and patios, and of course decorative indoor plants too, are easy to look after with these compact devices. Robust pumps reach the required operating pressure after just a few strokes. Once the pressure is reached, you can apply almost the entire content without additional pumping. The integral safety valve protects the appliance against excess pressure build-up.

The high quality hollow cone nozzle is fully adjustable – from a direct jet to the finest mist. The robust tanks have a large filling aperture to prevent spills when being filled and emptied. Their stable base stops them overturning when full. The underside of leaves can be optimally treated with the 401 and 402 models: the pivoting nozzle and small drift guard ensure the spray medium is only applied where actually needed.



MANUAL SPRAYERS



- 01 Sturdy pump lever
- 02 Automatic safety valve
- 03 Comfortable trigger
- 04 Large filling aperture
- 05 Ergonomic robust handle that can also be gripped with gloves
- 06 Transparent tank with scale
- 07 Moulded feet for a firm footing
- 08 Adjustable universal nozzle
- 09 Stainless steel spray wand with adjustable, 180° pivoting universal nozzle and drift guard
- 10 High quality FKM seals ("Viton®")

MANUAL SPRAYERS

SOLO 403

Inexpensive manual pressure sprayer with nominal capacity of 1.25 l. For plant protection and care inside the house, on patios, balconies or in conservatories.
1.25 l, 2 bar, 0.5 kg
Part no. 40301



SOLO 404

As per SOLO 403, but with nominal capacity of 2 l.
2.0 l, 2 bar, 0.6 kg
Part no. 40401



SOLO 401

Robust manual pressure sprayer for semi-professional activities. Equipped with high quality FKM seals ("Viton®"). The pivoting universal nozzle enables a wider application range.
1 l, 2.5 bar, 0.4 kg
Part no. 40101



SOLO 402

As per SOLO 401, but with nominal capacity of 2 l.
2 l, 2.5 bar, 0.5 kg
Part no. 40201



SOLO 460Li

Forget manual pumping! Practical and inexpensive **battery-operated sprayer** incl. USB charging cable with 1 l nominal capacity and 2 bar pressure. For plant protection and care inside the house, on patios, balconies or in conservatories.
1 l, 2 bar, 0.3 kg
Part no. 46001



Greater reach:

For the two manual sprayers in the Comfort line, SOLO 401 and 402, a practical accessory is available in the form of a telescopic wand (49628), which can be extended from 25 to 50 cm as required. The telescopic function improves access to parts of plants that are further away or otherwise hard to reach. For example, the nozzle head can be pivoted through 180°, making it convenient and effective to treat the underside of affected leaves.





PRESSURE SPRAYERS

SOLO pressure sprayers with shoulder strap have long been popular and reliable aids in private gardens or for countryside management. They do not take up much storage space and are ready for immediate use whenever required. Various tank volumes are available, depending on the size of the garden. The 5-litre model is the most popular for garden applications. For larger areas, seven or eleven litres may be preferable.

The intensity of use also plays an important role, of course. Occasional users have the choice between the 408 and 409 entry level models, and the 461 or 462 all-rounders from the Comfort line. Use the convenient mobile 453 trolley sprayer to cover longer distances with ease between spray locations.

If the terrain is fairly rugged and the application of a more professional nature, such as in horticulture and landscaping, or in agriculture and forestry, we recommend the 456, 457 or 458 professional pressure sprayers. The tanks are some of the most robust on the market thanks to their wall thickness. Even an accidental tumble from their storage area or similar tough tests are no problem for these professional pressure sprayers.

With resistance to UV rays, the transparent tanks are all set for a long service life. Comprehensive accessories, such as extension wands, drift guards and different nozzles for a variety of applications make the SOLO pressure sprayers even more versatile to use.



PRESSURE SPRAYERS



- 01 High quality nozzles (408/409 adjustable universal nozzle)
- 02 Flexible spray wand for the toughest mechanical applications
- 03 Spray wand retainer; two clips for the 456-458: for plastic and brass spray wands

- 04 Removable top section with large aperture to facilitate filling, draining and cleaning
- 05 Safety valve automatically compensates in the case of excess pressure inside the tank
- 06 Long, broad, practical strap

- 07 Extra large piston pump – operating pressure achieved after just a few pump strokes
- 08 Sturdy reinforced hose with ergonomic handle
- 09 Transparent pressure sprayer tank for good visibility of the spray medium level, made from polyethylene with UV resistance

PRESSURE SPRAYERS

SOLO 408

Entry level model with lightweight, 5 l tank, 40 cm plastic spray wand and adjustable universal nozzle. Suitable for occasional use in small private gardens.

Piston pump, 5 l, 1.2 kg
Part no. 40801



SOLO 409

As per SOLO 408, but with nominal capacity of 7 l.

Piston pump, 7 l, 1.4 kg
Part no. 40901



SOLO 453

Plant maintenance made easy: the large wheels of the SOLO 453 trolley sprayer make it easy to pull along, facilitating work involving long distances, whether moving through a garden or transporting to site. Yet the use of aluminium for the robust handle keeps the weight right down. The dry weight is a mere 3.5 kg. Just a few pump strokes are enough to build the necessary pressure inside the 11 l tank. The pump handle is large and robust enough to be securely gripped with gloves. The same applies to the tank handle with its soft grip sleeve. A 2.5 m spiral hose provides the necessary reach.

Piston pump, 11 l, 3.5 kg
Part no. 45301



SOLO 461

An indispensable aid in many private gardens for plant protection, treating weeds and applying insecticide.

Stable 5 l tank, 50 cm spray wand and SOLO flat spray and hollow cone nozzle.

Piston pump, 5 l, 1.5 kg
Part no. 46101



Practical compartment to store nozzles



SOLO 462

As per SOLO 461, but with nominal capacity of 7 l.

Piston pump, 7 l, 1.7 kg
Part no. 46201



SOLO 456

The cream of the crop amongst pressure sprayers, with top performance even in tough, continuous use.

Extremely stable 5 l tank, unbreakable 50 cm plastic spray wand and SOLO flat spray and hollow cone nozzle.

Piston pump, 5 l, 2.6 kg
Part no. 45601



Optional accessories: compressed air supply valve to build pressure without having to pump manually.

Part no. 49590

SOLO 457

As per SOLO 456, but with nominal capacity of 7 l.

Piston pump, 7 l, 2.8 kg
Part no. 45701



SOLO 458

As per SOLO 456, but with nominal capacity of 11 l and stable base

Piston pump, 11 l, 2.9 kg
Part no. 45802



Accessories: Practical wheel set, comprising large, high traction wheels incl. axle and a handle for easy tilting and movement.

Part no. 49211





BACKPACK SPRAYERS

When it comes to plastic backpack sprayers, we have decades of experience, having started producing full plastic sprayers back in 1960.

The lightness of the material on the one hand and its durability on the other are just two good reasons to choose SOLO backpack sprayers.

Starting with the Comfort models, the backpack sprayers are also equipped with highly resistant FKM seals ("Viton®") for applying aggressive liquids. There are four pressure settings so you can apply precise quantities.

With abrasive fluids, the 473 D and 475 sprayer models with diaphragm pump are the ideal choice. The special Tivilon® diaphragm in their pumps is highly resistant.

With either piston or diaphragm, the pumps in the SOLO backpack sprayers are

some of the most effortless and efficient on the market. Longer operating times are therefore simple to achieve, thanks also to the exceptional straps, inspired by the outdoor sports sector on the 425 PRO models. Comfortable and padded, they can be adjusted in various ways for a perfect fit – also available as accessories.

The UV-resistant tanks come in four sizes: 10, 15, 16 or 20 litres. They are translucent so the fill level is easily visible. The tank is filled and drained through a large filler neck.

For convenient transport, the Comfort and Pro models with 15-litre tank feature a carrying handle with built-in spray wand retainer.

See page 32 onwards for our extensive range of accessories. These can be used to further extend the application options of these highly resilient sprayers.



BACKPACK SPRAYERS



01 Impressive spray performance; two nozzles supplied as standard

02 Ergonomically refined, rotating, length-adjustable pump lever (Comfort/Pro), individual pump lever mounting for right/left-handed users

03 Wide, comfortably padded straps with strain relief; Pro models with special backpack carrying system

04 Large filling and cleaning aperture

05 Carrying handle with spray wand retainer (Comfort/Pro)

06 Ergonomic tank design:
 - High quality plastic resistant to UV rays
 - Non-pressurised tank with separate air chamber
 - Fill level markings
 - Low inherent weight
 - Clearly visible spray medium level

07 Resistant FKM seals ("Viton®") for all permissible spray liquids (Comfort/Pro)

08 High grip manual valve with pressure gauge connection for precisely metered spray volume

09 Long reinforced hose for extended reach

10 Effective, smooth-running pump
 4 manual spray pressure settings (Comfort/Pro)

11 Stable tank frame

BACKPACK SPRAYERS

SOLO NOVA 424

Inexpensive. Practical. Unique. Sophisticated. Four attributes that best describe the new SOLO NOVA 424 backpack sprayer. Pump lever can be fitted on the right or left side. 16 l, 5.1 kg, 4 bar
Part no. 42422



SOLO 425 CLASSIC

A true all-rounder, proven millions of times over, for plant protection applications. Simple, easy to service and robust design. Pump lever can be fitted on the right or left side. Piston pump, 15 l, 4.4 kg
Part no. 42521



SOLO 435 CLASSIC

Identical to 425 CLASSIC, but with nominal capacity of 20 l. Piston pump, 20 l, 5.0 kg
Part no. 43521



SOLO 473D CLASSIC

Sprayer with nominal capacity of 10 l and diaphragm pump for applying abrasive fluids. Pump lever can be fitted on the right or left side. Diaphragm pump, 10 l, 4.2 kg
Part no. 47321



SOLO 475 CLASSIC

A classic with nominal capacity of 15 l and diaphragm pump. For abrasive fluids. Diaphragm pump, 15 l, 4.6 kg
Part no. 47521



SOLO 425 COMFORT

Better equipped for greater comfort: fully adjustable pump lever for ergonomic operation and practical carrying handle with integral spray wand retainer. In addition, the pressure can be switched to one of four settings. Piston pump, 15 l, 4.5 kg
Part no. 42531



SOLO 475 COMFORT

The diaphragm pump model is generally used in conjunction with relatively viscous herbicides in the low pressure range. Diaphragm pump, 15 l, 4.7 kg
Part no. 47531



SOLO 425 PRO

The ultimate backpack sprayer. Professional carrying system, telescopic spray wand with high quality brass nozzles and pressure gauge are standard features with this model. Piston pump, 15 l, 5.2 kg
Part no. 42541



Backpack sprayers don't come better than this

The SOLO 425 PRO professional model, with its premium features, is designed specifically for professional users. Those who work long hours with a backpack sprayer on a daily basis will appreciate the comfortable and fully adjustable backpack carrying system, inspired by the outdoor sports sector, which has been optimised for maximum user comfort.

The spray wand and nozzles of this sprayer also meet the needs of professionals: the ultra-light telescopic carbon spray wand can be adjusted between 50 cm and 90 cm. Standard delivery includes high quality brass nozzles: flat spray and hollow cone (adjustable).





BATTERY-OPERATED SPRAYERS

The battery-operated sprayers from SOLO are whisper-quiet and free of emissions. With their powerful electric drives, they are the ideal choice when it comes to plant protection in enclosed spaces with large areas requiring treatment. Efficient working practices and high performance are called for in conservatories and greenhouses, too. Of course, these battery-operated sprayers also perform well outdoors. With one press of the Power button, the powerful pump is barely noticeable but for a quiet humming sound.

The entry level battery-operated sprayer is the new SOLO 441, which is based on the current design line as seen in the NOVA 424. The SOLO 441 is the right choice for occasional work in the garden or in enclosed spaces.

The new 442 extends the concept of the 441 with further interesting features, such

as 4 pressure settings from 1-4 bar (see next page). The 416 Li and 417 models offer a higher equipment level and greater comfort. Two power settings are available to the user and the standard pressure gauge helps you apply the correct quantity. Even at the second power setting, the sound emissions are hardly any more audible. This ensures a pleasant working environment without the need for ear protectors. These two power settings regulate the pressure range of the powerful 12 V pumps to up to 4.3 bar. When the battery runs out, it can be quickly recharged inside the appliance.

Compared to the lead gel battery in the 417, the 416 Li has a lithium-ion battery, and a capacity of 20 rather than 18 litres. Last but not least, the sprayers include a lightweight, 50 to 90 cm telescopic wand made from carbon.





SOLO's new battery-operated sprayer technology in the COMFORT class

The SOLO 442 battery-operated backpack sprayer for professional plant protection combines user comfort with modern battery technology. The microcontroller of the digital control system regulates the selected pressure by active, calibrated pressure measurement. This ensures a highly efficient and precise application of the spray medium, regardless of the nozzle used. An extensive range of accessories makes the sprayer even more versatile to use.

BATTERY-OPERATED BACKPACK SPRAYER 442

The light, compact, powerful 18 V battery is housed in the base, making it easy to remove. You can work for up to 3.4 hours with one battery charge. The supplied charger ensures the battery is full in just a fraction over an hour. For even longer working periods and shorter charging times, an express charger and a 5.0 Ah battery are available as accessories (see page 39).

The pump pressure can be set to one of four settings from 1 bar to 4 bar via a soft user interface, which also shows the battery charge level.

The 16-litre tank is ergonomically shaped to the body and together with the adjustable, padded carrying system, ensures fatigue-free operation even during long periods of use. The stable base ensures a secure position on uneven and sloping surfaces. It also safely houses the nozzle when the spray wand is in the retainer for transport or storage.



- 01 50 cm plastic spray wand with 03-F80 ISO-compliant flat spray nozzle, adjustable hollow cone nozzle and ball valve filter
- 02 Large filling and cleaning aperture
- 03 Handle
- 04 Spray wand retainer
- 05 Padded, adjustable carrying system with chest strap
- 06 Tabletop charger (can be wall mounted)
- 07 Soft user interface with on/off switch, selectable pressure level (1 to 4 bar) and charge level indicator for 4 pressure settings
- 08 Stable, secure base with nozzle protection
- 09 Centrally located, enclosed electric pump
- 10 Easily accessible and removable 18 V rechargeable battery

Lithium-ion battery 18 V/2.0 Ah
 16 l, 4.5 kg, 1-4 bar
 Part no. 44201
 Available from mid-2021

BATTERY-OPERATED SPRAYERS



- 01 1.5 m long reinforced hose
- 02 Robust manual valve with vibration-dampened pressure gauge
- 03 Seals resistant to all approved spray liquids
- 04 Large filling and cleaning aperture (with quick-action closure on the 416 Li)
- 05 Integrated tank fill level scale
- 06 Ergonomically shaped tank made from UV-resistant plastic material with comfortable padded backpack frame, wide shoulder straps and waist strap (416 Li)
- 07 Almost unbreakable plastic spray wand or carbon telescopic spray wand (416 Li)
- 08 Robust electric pump in impact-resistant enclosure; two settings for pressure and spray volume
- 09 Flat spray nozzle 03-F80, compliant with ISO standard (with ball valve filter for the 416 Li)
- 10 Powerful, maintenance-free, lithium-ion battery with high quality brand-name cells (model 417: lead gel battery)

BATTERY-OPERATED SPRAYERS

SOLO 441

The entry level model for battery-operated plant protection equipment. The dry weight is a mere 3.7 kg. Rechargeable lithium-ion battery for up to 170 minutes of continuous operation and just two hours' charging time. The powerful and durable electric pump delivers 2.5 bar operating pressure. The 16 l tank and base are designed to suit the anatomy of the human spine. **Lithium-ion battery** 11.1 V/2.5 Ah, 16 l, 3.8 kg
Part no. 44101



SOLO 417

The powerful lead gel battery in the SOLO 417 provides up to 3.7 hours of operation and takes 8 hours to recharge. The lightweight, transparent plastic tank can hold 18 l. A 50 cm plastic spray wand with high quality nozzle and pressure gauge are included as standard. **Lead gel battery 12 V/7.2 Ah, 18 l, 7.6 kg**
Part no. 41701



SOLO 416 Li

For professional use in commercial nurseries and greenhouses, or for everyday horticulture and landscaping tasks. The powerful lithium-ion battery ensures up to 5.9 hours of continuous operation and recharges in just 5.5 hours.

Additional features of the 416 Li:

- + Heavy duty lithium-ion battery with up to 5.9 h runtime
- + Large tank lid with quick-acting closure
- + Removable stainless steel filling strainer
- + 50 - 90 cm telescopic carbon spray wand
- + Space saving vertical spray wand retainer
- + Low inherent weight

Lithium-ion battery 11.1 V/7.8 Ah, 20 l, 5.2 kg
Part no. 41601



Expand your application options with matching accessories from SOLO Reach tall plants with ease using an longer spray wand – available in plastic, brass or even ultra-lightweight carbon versions. The latter has a reach of up to 230 cm. Choosing the right nozzle is also important. The flat spray nozzle is the first choice for treating large areas, whereas herbicide can be applied with pinpoint accuracy using deflector or full cone nozzles, plus drift guards to prevent the media drifting into adjacent areas. Detailed descriptions of SOLO's comprehensive range of accessories can be found from page 32 onwards.





Variable spray pattern with the universal spray wand

A broader spray angle with small droplets, or concentrated with a longer distribution distance: you will need one or the other – or a stage somewhere in between – depending on the application range. No problem with the universal spray wand, available as an accessory. The nozzle can be infinitely adjusted with pinpoint accuracy. The standard delivery includes two different diameters, allowing you to work even more precisely and apply the spray media more accurately.

POWER SPRAYER

Our 433 power sprayer is characterised by its high efficiency over larger areas. This combination is applicable for very tall plantings such as trees and large shrubs, areas containing crops, or in professional horticulture and landscaping. The power is supplied by a 4-stroke HONDA engine, which has special bearings to protect against vibrations, as well as being easy to start and simple to service. The controllable operating pressure of the push-pull piston pump reaches up to 30 bar. Long working stretches without refilling are ensured by the nominal capacity of 20 litres.

A practical drain connector underneath the tank enables complete draining of any leftover liquid. The SOLO 433 is equipped with a 50 cm stainless steel spray wand and a pressure gauge on the sturdy manual valve, which allows the pressure to be adjusted for any application. Supplied with a high quality twin nozzle, with stainless steel nozzle discs. With the right accessories (see page 37), you can discover the versatility and all the advantages of this power sprayer. For example, increase the reach with the proper spray wand. Or adjust the spray pattern with the universal spray wand.



SOLO 433

4-stroke HONDA engine,
25 cm³
Stainless steel spray wand with twin nozzle
and pressure gauge
20 l, 9.8 kg
Part no. 43303

- 01 Twin nozzle
- 02 50 cm stainless steel spray wand
- 03 Large filling and cleaning aperture
- 04 Spray wand retainer
- 05 Ergonomically designed tank made from transparent, UV-resistant plastic material with comfortable, padded backpack frame and wide shoulder straps
- 06 Robust manual valve with silicone-dampened pressure gauge. Hose connection with swivel coupling for flexible operation.
- 07 Powerful 4-stroke HONDA engine
- 08 Anti-vibration dampers
- 09 Long high pressure hose for stress-free arm movements



MISTERS

SOLO misters are amongst the most popular in the world. They are right at home and have become indispensable in agriculture, horticulture, woodland maintenance, public parks and green areas, amongst fruit and vine growers and in coffee and cocoa plantations in Africa and South America. The success of SOLO misters is based on their high spray performance combined with low weight. These characteristics make them the environmentally responsible choice for the economical protection of all crops and plantings anywhere in the world. Furthermore, SOLO misters are remarkably robust and easy to handle. Thanks to all these benefits, they have been helping to bring about high yields around the globe for many years. In this, advanced engine technology from SOLO ensures

low fuel consumption, reduced exhaust gas emissions and high performance over long periods – even under adverse warm conditions.

In addition to plant protection, these sprayers can also be used for disinfection and parasite control in the fields of logistics, agriculture and animal husbandry.

The range of accessories (see page 38) makes both SOLO misters – the new, inexpensive MASTER 452 and the powerful, proven PORT 423 – even more versatile. For example, a dusting attachment turns the PORT 423 into a brilliant dusting machine. A liquid booster pump ensures uniform application when spraying upwards and when using longer spray wands. The practical twin nozzle makes it possible to treat two rows at the same time.



MISTERS



01 Large filling and cleaning aperture

02 Extended reach through high air expulsion velocity

03 High volume tank made from UV-resistant plastic. Fill level always readable through translucent tank wall

04 Ergonomically designed control for throttle, spray volume and start/stop

05 Large petrol tank together with a frugal 2-stroke SOLO engine ensure long working cycles

06 Comfortable, ergonomically shaped backpack frame with padded straps and anti-vibration dampers

07 Designed for easy maintenance

08 Fan housing made from highly resilient plastic

09 Long rotating plastic spray wand, can be pivoted effortlessly in any direction

10 Advanced, low-emission 2-stroke SOLO engine with specially coated cylinder for a long service life of the appliances

SOLO MASTER 452 (12l)

Powerful mister with quiet 66.5 cm³ 2-stroke SOLO engine. Advanced engine technology ensures low noise and exhaust gas emissions.

A diaphragm carburettor and comfortable backpack carrying system ensure optimum working conditions. One of the lightest and most compact in its class – worldwide.

66.5 cm³, 2.1 kW/2.9 hp, 1400 m³/h, 12 l, 9.7 kg
Part no. 45201 (not available in the EU)
Part no. 45203 (EU)



SOLO MASTER 452 (15l)

As per the 45201, but with 15 l tank capacity.

66.5 cm³, 2.1 kW/2.9 hp,
1400 m³/h, 15 l, 9.7 kg
Part no. 45202 (not available in the EU)



SOLO PORT 423

Throughout the world, the SOLO PORT 423 is the epitome of a robust and reliable mister. The powerful 72.3 cm³ 2-stroke SOLO engine delivers 3 kW. This durable mister has proven easy to service over many years.

72.3 cm³, 3.0 kW/4.1 hp, 1400 m³/h, 10 l, 11 kg
Part no. 42311 (not available in the EU)



The right nozzle for any crop:

The standard delivery includes a long reach nozzle as well as a wide spray grille and a nozzle with interchangeable deflectors.

The long reach nozzle directs the spray medium over a distance of up to 12 metres (PORT 423). The spray width increases with the wide spray grille. The nozzle with single sided deflector makes it easier to spray rows of crops and also enables you to reach underneath leaves. The double sided deflector allows you to efficiently treat two rows at a time.



solo PORT 423

No1

World's Best-Selling
Mistblower

GRANULATE SPREADERS

SOLO 421



Seed, fertiliser, e.g. after scarifying, gritting salt, oil absorbers, cleaning agents, pelleted lime, bird seed, stock feed, sand ... The SOLO granulate spreader 421 is designed to be used all year round.

A manual crank drives the rotating spreader disc to guarantee precise distribution of the granulate onto the area to be treated.

The integral agitator ensures that the material in the tank is mixed thoroughly.

Up to 9 litres of granulated matter can be applied where specifically required, even on difficult terrain – for example where a wheeled appliance would be unsuitable.

The direction in which the material is spread can be adjusted just as easily as the delivery rate.

The spreader is carried in front of the body by means of an adjustable strap. The large filling aperture makes filling easy, whilst the large screw top protects users from harmful dust.

01 Large filling and cleaning aperture with tightly fitting dust cap – prevents the ingress of dust

02 Padded shoulder strap

03 Large 9 l tank

04 Smooth-running manual crank drive

05 Robust integral agitator: Hermetically sealed, gearbox with angular metal gears

06 Spreader disc with large fins for even application

Also suitable for winter grit (salt, etc.)

9 l, 2.5 kg • Part no. 42101



Adjustable distribution direction (1), agitator (2)



Enclosed worm drive with angular metal gears



Comfortable strap



Secure base and ergonomic moulding

SOLO 468



CE

- 01 Robust carrying handle
- 02 Clean combustion engine with aluminium crankcase
- 03 Large starter handle
- 04 Single hand operating handle

- 05 Fuel tank made from transparent, sturdy plastic, making the fill level easily visible
- 06 Stable base
- 07 Anti-vibration system effectively reduces vibrations at body contact points
Padded back support

66.5 cm³, 2.1 kW/2.9 hp, 1400 m³/h, 8.4 kg
Part no. 46801

The compact SOLO 468 blower combines very low weight with high performance, low consumption and low emissions. The SOLO 468 is characterised in particular by its high blower output, taking into account the interests of the environment and the immediate surroundings. Last but not least, the price/performance ratio is one of the most convincing selling points of this new SOLO 468 blower.



SPECIFICATION



Model	403	404	401	402	460 Li
Part no.	40301	40401	40101	40201	46001
Battery	-	-	-	-	3.7V / 1.4 Ah
Piston pump	●	●	●	●	●
Nominal capacity l	1.25	2.0	1.0	2.0	1.0
Spray pressure bar max.	2	2	2.5	2.5	-
Safety valve	●	●	●	●	-
Dry weight kg	0.5	0.6	0.4	0.5	0.3



Model	408	409	461	462	456	457	458
Part no.	40801	40901	46101	46201	45601	45701	45802
Piston pump	●	●	●	●	●	●	●
Nominal capacity l	5.0	7.0	5.0	7.0	5.0	7.0	11.0
Spray pressure bar max.	2.0		3.0		3.0		
Dry weight kg	1.2	1.4	1.5	1.7	2.6	2.8	2.9
Spray wand can be secured	●	●	●	●	●	●	●
Hose length m	1.2		1.4		1.4 m reinforced hose		
Spray wand	Plastic, 40 cm		Plastic, 50 cm		Plastic, 50 cm		
Shoulder strap	Yes		Yes		Yes		
Base	-		-		Yes		
Nozzle	SOLO universal hollow cone nozzle, adjustable		SOLO flat spray and hollow cone nozzle		SOLO flat spray and hollow cone nozzle		



Model	453
Part no.	45301
Piston pump	●
Nominal capacity l	11
Spray pressure bar max.	2
Dry weight kg	3.5
Transport wheels	Yes
Hose length m	2.5 (spiral hose)
Spray wand	Plastic, 40 cm
Nozzle	SOLO universal hollow cone nozzle, adjustable



Model	NOVA 424	473 D Classic	425 Classic	435 Classic	475 Classic	425 Comfort	475 Comfort	425 Pro
Part no.	42422	47321	42521	43521	47521	42531	47531	42541
Pump type – piston/diaphragm	● / -	- / ●	● / -	● / -	- / ●	● / -	- / ●	● / -
Nominal capacity l	16	10	15	20	15	15	15	15
Max. spray pressure bar	4	4	4	4	4	4 / 6*	4	4 / 6*
Spray wand length cm	50	50	50	50	50	50	50	50 - 90, adjustable
Manual spray pressure adjustment	-	-	-	-	-	●	●	●
Pump lever adjustable	-	-	-	-	-	●	●	●
FKM seals ("Viton®")	-	-	-	-	-	●	●	●
Telescopic carbon spray wand	-	-	-	-	-	-	-	●
Pressure gauge	-	-	-	-	-	-	-	●
Dry weight kg	5.1	4.2	4.4	5.0	4.6	4.5	4.7	5.2

* With plugs

SPECIFICATION



Available from mid-2021

Model Part no.	441 44101	442 44201	417 41701	416 Li 41601
Battery V/Ah	Lithium-ion 11.1 / 2.5	Lithium-ion 18 / 2.0	Lead gel 12 / 7.2	Lithium-ion 11.1 / 7.8
Nominal capacity l	16	16	18	20
Nozzle	Univ. hollow cone, adjustable	Univ. hollow cone, adjustable Flat spray nozzle	Flat spray nozzle	Flat spray nozzle
Spray pressure settings / bar	1 / 2.5	4 / 1-4	2 / 2.5; 4.3	2 / 2.5; 4.3
Spray volume l/min (setting) with standard nozzle	0.6-1.16 -	0.68 (1) / 0.97 (2) 1.19 (3) / 1.37 (4)	I 1.07 II 1.42	I 1.07 II 1.42
Operating time h	2.9	3.4	I: 3.7; II: 2.3	I: 5.9; II: 3.7
Charging time h	approx. 2	approx. 1.1	approx. 8	approx. 5.5
Dry weight inc. battery kg	3.8	4.5	7.6	5.2
Spray wand	Plastic, 50 cm	Plastic, 50 cm	Plastic, 50 cm	Adjustable, 50 - 90 cm, carbon
Standard delivery	Battery, charger	Battery, charger	Battery, charger, pressure gauge	Battery, charger, pressure gauge, waist belt
Sound pressure level dB(A) ⁽¹⁾	< 70	< 70	< 70	< 70
Sound power level guaranteed dB(A) ⁽¹⁾	< 70	< 70	< 70	< 70
Vibration value m/s ^{2 (2)}	≤ 2.0	≤ 2.0	≤ 2.0	≤ 2.0



Model Part no.	433 43303
Engine	4-stroke Honda GX 25
Capacity cm ³	25
Nominal capacity l	20
Stainless steel twin nozzle	●
Max. adjustable spray pressure bar	up to 30
Spray volume l/min with standard nozzle	1.0 l at 5 bar 1.5 l at 10 bar 2.0 l at 20 bar 2.4 l at 30 bar
Dry weight kg	9.8
Pressure gauge	●
Standard delivery	Stainless steel spray wand
Sound pressure level dB(A) ⁽¹⁾	82
Sound power level dB(A) ⁽¹⁾	95
Vibration value m/s ^{2 (2)}	≤ 2.0



Model Part no.	MASTER 452 45201** / 45203 (EU)	MASTER 452-02 45202**	PORT 423 42311**
Engine	2-stroke SOLO	2-stroke SOLO	2-stroke SOLO
Capacity cm ³	66.5	66.5	72.3
Power kW/hp	2.1 / 2.9	2.1 / 2.9	3.0 / 4.1
Tank capacity (nominal) l	12 (10)	15 (13)	12 (10)
Air flow rate max. m ³ /h*	1400	1400	1400
Horizontal reach in m	11.0	11.0	12
Dry weight kg	9.6 (45201) / 9.7 (45203)	9.7	11.0
Standard delivery	SOLO special misting nozzle with 4 settings, long reach nozzle, wide spray grille, single sided and double sided deflector		
Sound pressure level dB(A) ⁽¹⁾	96	96	97
Sound power level L _{WAeq} dB(A) ⁽¹⁾	110	110	110
Vibration value m/s ^{2 (2)}	≤ 2.5	≤ 2.5	≤ 6.3

*Excl. blower ** Not for the EU



Model Part number	468 46801
Engine	2-stroke SOLO
Capacity cm ³	66.5
Max. fan performance rate m ³ /h*	1400
Air velocity m/s	92
Anti-vibration system	●
Weight kg	8.4
Sound pressure level dB(A) ⁽¹⁾	95
Sound power level L _{WAeq} dB(A) ⁽¹⁾	107
Vibration value m/s ²	≤ 2.5

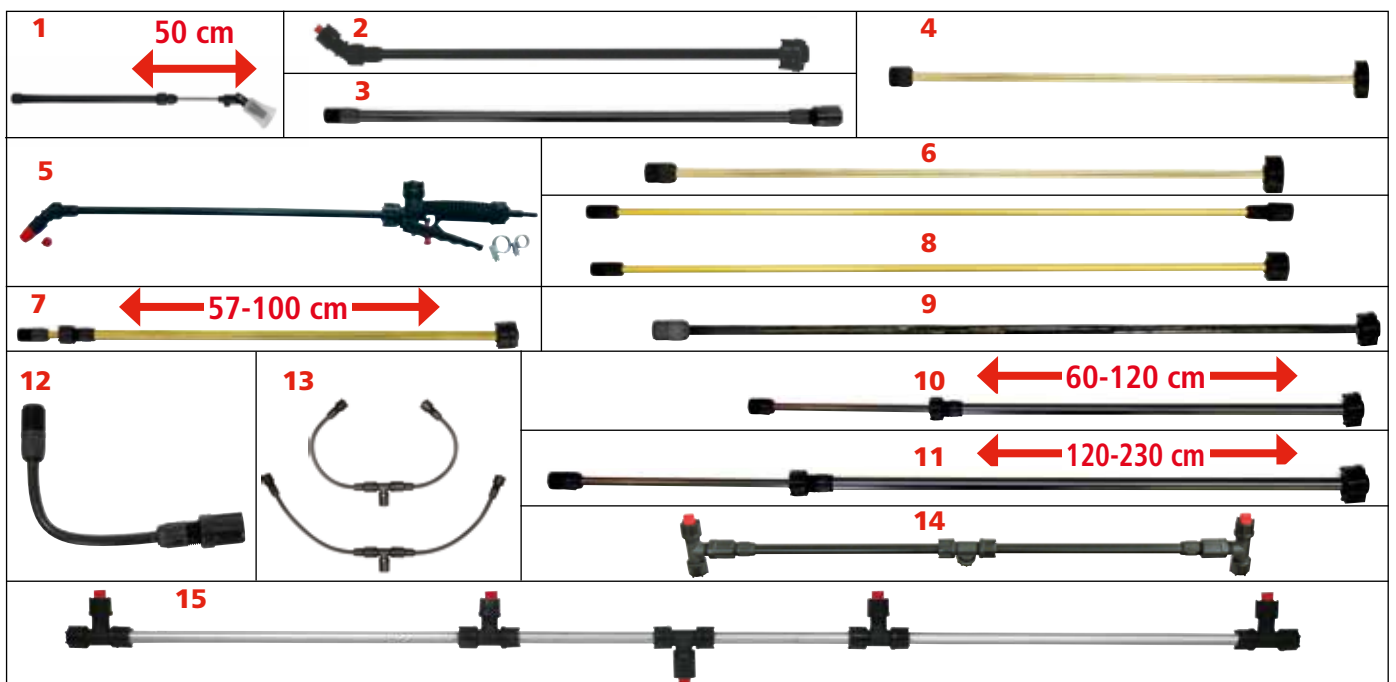
*Excl. blower ** Not for the EU

Model Part no.	421 42101
Fill capacity l	9
Tank filling aperture diameter cm	14.5
Dry weight kg	2.5
Dimensions excl. crank W x D x H, cm	29 x 26 x 49
Distribution range subject to material, cm	Granulate approx. 300 - 400 Grass seed approx. 180 - 200
Distribution width subject to material, cm	Granulate approx. 180 - 200 Grass seed approx. 150 - 170
Gearbox	Hermetically sealed worm drive with angular metal gears
Transmission ratio	1 : 7.5

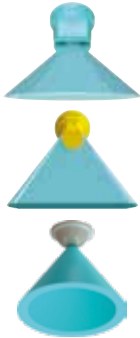




Spray wands for pressure and backpack sprayers

● Recommended		● Suitable		● Not recommended		- Unsuitable / does not fit					
Pos.	Designation	Description and recommended application	Part no.	403 404	408 409 453	401 402	461 462	456 457 458	424 425 435	473 D 475	416 Li 417 441 442
1	Telescopic wand 25 - 50 cm	Telescopic spray wand, can be continuously extended to up to 50 cm, with adjustable universal nozzle and small drift guard. The telescopic function makes it easier to reach parts of plants that are further away or concealed. For example, the nozzle head can be pivoted through 180°, making it convenient and effective to treat the underside of affected leaves. The telescopic wand consists of a plastic, impact-resistant, profiled outer tube and a high grade, robust, stainless steel inner tube.	49628	-	-	●	-	-	-	-	-
2	Spray wand 50 cm with flat spray nozzle	Standard spray wand 50 cm, including angled nozzle head, high grade flat spray nozzle, filter strainer and union nut for attachment to the manual valve. Spray wand is flexible and almost unbreakable thanks to high quality plastic material that can withstand extreme loads. Suitable for universal use in many plant protection applications.	49439	-	●	-	●	●	●	●	●
3	Extension wand 50 cm	We recommend the extension wand for all applications that simply require an extended reach. It includes a connection nut with seal ring to attach to all standard SOLO spray wands, for pressure sprayers and backpack sprayers with a nominal capacity of 5 l or more. Almost unbreakable thanks to high quality plastic material that can withstand extreme loads.	49513	-	●	-	●	●	●	●	●
4	Brass spray wand, 50 cm	Ideally suited to all intensive and professional applications that require robust, rigid spray wands. We also recommend it for working with SOLO accessories such as spray booms or drift guards. The 50 cm brass spray wand has a diameter of 8 mm and is supplied complete with union nut for attachment to the SOLO manual valve.	49519	-	●	-	●	●	●	●	●
5	Universal spray wand, 50 cm	For all pressure and backpack sprayers from SOLO and many other manufacturers. Including adjustable universal nozzle and flat spray nozzle.	49610	-	●	-	●	●	●	●	●
6	Brass spray wand, 75 cm	Ideal for all intensive and professional applications that require robust, rigid spray wands. The 75 cm long spray wand can be optimally supplemented with SOLO accessories such as drift guards.	49428	-	●	-	●	●	●	●	●
7	Brass telescopic spray wand 57 - 100 cm	This highly robust telescopic spray wand made from brass can be continuously extended up to 100 cm and locked in any position. It can be put to various uses for any challenging or commercial application, to enable an extended reach or to treat ground level areas. Also recommended for working with spray booms or drift guards. The telescopic spray wand is supplied complete with union nut for attachment to the SOLO manual valve.	49478	-	●	-	●	●	●	●	●
8	Brass tree spray wand, 150 cm	The long tree spray wand is ideal for all challenging applications that require a robust, rigid wand with an extended reach. We also recommend it for treating taller plants, e.g. for spraying espaliered trees or bushes. The brass tube consists of two 75 cm threaded spray wands with an 8 mm diameter, including two union nuts and seals for attachment.	49528	-	●	-	●	●	●	●	●
9	Carbon tree spray wand 120 cm	The 120 cm long spray wand made from carbon fibre material weighs just 100 g. It can be used for all challenging applications that require rigid and extremely lightweight wands – even with an extended reach. Thanks to its very low weight, it protects the operator's joints and is suitable for longer working periods. Supplied complete with union nut for attachment to the SOLO manual valve.	49449	-	●	-	●	●	●	●	●
10	Carbon telescopic spray wand 60 - 120 cm	The 60 - 120 cm long telescopic spray wand made from ultra-light carbon fibre material weighs just 95 g. We recommend this version for all challenging applications that require a rigid and extremely lightweight wand with adjustable reach. It is also recommended for working with accessories such as spray booms or drift guards. Long working periods with minimal strain on the wrists are no problem. The standard delivery includes the union nut for attachment to the SOLO manual valve.	49457	-	●	-	●	●	●	●	●

Pos.	Designation	Description and recommended application	Part no.	403 404	408 409 453	401 402	461 462	456 457 458	424 425 435	473 D 475	416 Li 417 441 442
11	Carbon telescopic spray wand 120 - 230 cm	The telescopic spray wand made from ultra-light carbon fibre material weighs just 160 g and is continuously adjustable in length from 120 - 230 cm. It can be used for all challenging applications that require rigid and extremely lightweight wands with a very long reach. The low weight greatly facilitates the work and protects the operator's joints, enabling long periods of use. Supplied complete with union nut for attachment to the SOLO manual valve.	49445	-	●	-	●	●	●	●	●
12	Spray wand extension, flexible, 15 cm	Flexible and ideally suitable for treating inaccessible areas and places that are not easily visible or are difficult to reach, including use in pest control, for example. With the pliable spray wand section that can be bent by up to 180°, the jet can be sprayed in any direction. Including connection nut for fastening to an existing spray wand end piece, without nozzles. Can be combined with all SOLO spray wands and spray nozzles; the union nut for attachment is included.	49450	-	●	-	●	●	●	●	●
13	Flexible double spray head 60 cm	The double spray head has many possible applications, e.g. for treating a plant or row of plants from two sides at once, or for spraying two rows at the same time. With its twin nozzles, it can be used for treating single plants and to apply repellent spray to protect against browsing animals. With its two flexible spray wands, the double spray head has a total operating width of 60 cm. It comes complete with nuts to connect to each spray wand, preinstalled hollow cone spray nozzles and two further sizes of hollow cone nozzle. Other types of nozzle in different sizes can also be fitted if preferred.	49411	-	●	-	●	●	●	●	● 441: ●
14	Spray boom 60 cm NEW: Now with extended nozzle set in 3 sizes	The 60 cm wide spray boom has two nozzles in three different sizes and is ideal for treating two rows at a time or spraying large areas. Made from special, almost unbreakable plastic material, supplied with two ball valve nozzle filters to prevent dripping and a union nut for attachment to an existing spray wand. We recommend combining it with the SOLO short, rigid, brass or carbon fibre spray wands.	49514	-	●	-	●	●	●	●	●
15	Aluminium spray boom 120 cm NEW: Now with extended nozzle set in 3 sizes	For treating larger areas, we recommend twice the spraying width with the 120 cm wide, light, aluminium spray boom. Four flat spray nozzles and four ball valve nozzle filters to prevent dripping are preinstalled; two further sets of four nozzles are included. It can be ideally combined with the SOLO short, rigid, brass or carbon fibre spray wands. The union nut for attachment to the spray wand is provided.	49299	-	●	-	●	●	●	●	● 441: ●



Nozzles and drift guards for pressure and backpack sprayers

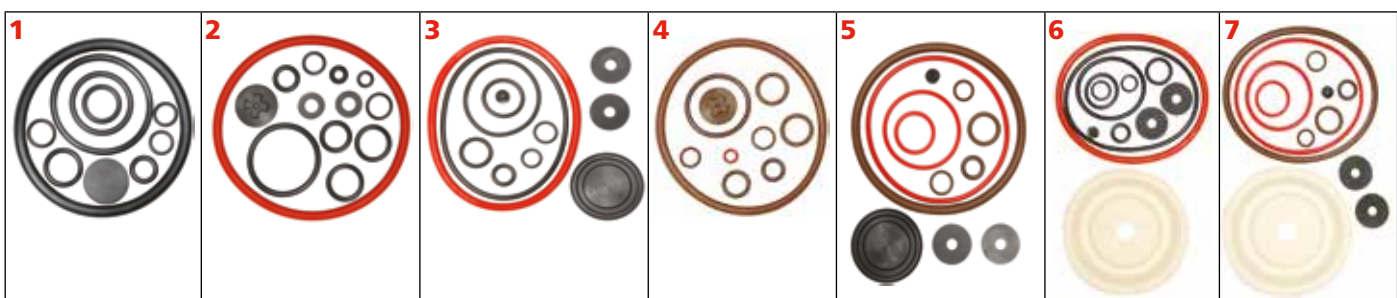
● Recommended		● Suitable		● Not recommended		- Unsuitable / does not fit					
Pos.	Designation	Description and recommended application	Part no.	403 404	408 409 453	401 402	461 462	456 457 458	424 425 435	473 D 475	416 Li 417 441 442
1	Full nozzle set 	Universal nozzle set for all the most important application areas. The set contains a total of nine different, high grade flat spray, deflector and hollow cone nozzles. Four flat spray nozzles for treating large areas and spraying rows. With a ribbon-like spray pattern in sizes 015, 02, 03 and 04. Two deflector nozzles especially for applying herbicides: for treating large areas and working in the low pressure range with a coarse droplet size and ribbon-like spray pattern. The nozzles come in sizes DT 1.0 and DT 2.5. Three hollow cone nozzles for treating single plants, shrubs and large scale plantings that extend in all directions, especially for insecticides and fungicides. The three matching nozzle caps have hole sizes of 1.0, 1.4 and 1.8 mm, and are used in combination with the required swirl plate. The nozzle set includes a nozzle head with preinstalled flat spray nozzle.	49574	-	●	-	●	●	●	●	●
2	Universal plastic nozzle, adjustable 	The universal hollow cone nozzle made from plastic is especially suitable when treating single plants . It can be adjusted from fine droplets with a hollow cone-shaped spray pattern, right through to a point jet.	49525	-	●	-	●	●	●	●	●
3	Universal brass nozzle, adjustable 	The universal hollow cone nozzle made from brass is especially suitable when treating single plants that extend in all directions . It can be variably adjusted from fine droplets right through to a point jet.	49206	-	●	-	●	●	●	●	●
4	Oval drift guard 30 x 11.5 cm 	The oval plastic drift guard should be used for applying herbicide over larger areas and for precision spraying in edge areas . The drift guard helps prevent fine droplets unintentionally drifting into adjacent areas containing crops or bodies of water . It is equipped with a flat spray nozzle for a ribbon-like spray pattern and is effectively limited at the sides by the umbrella shape. The transparent design of the guard section has been redesigned to give users optimum visibility of the area to be treated whilst working. We recommend combining it with a 75 cm brass spray wand or short telescopic spray wands.	49430	-	●	-	●	●	●	●	●
5	Round drift guard Ø 15 cm 	We recommend the round drift guard with UV light protection for targeted, accurate herbicide application and for use on various smaller plots . Its preinstalled full cone nozzle ensures a circular spray pattern . The guard effectively restricts the spraying range to help prevent fine droplets unintentionally drifting into adjacent areas containing crops or bodies of water . The round drift guard is also made from transparent, durable plastic, for optimum visibility of the area to be treated.	49580	-	●	-	●	●	●	●	●

Pos.	Designation	Description and recommended application	Part no.	403		408		401		461		456		424		473 D		416 Li		
				404	404	409	409	402	402	462	462	457	457	425	425	475	475	417	417	441
6	Dual nozzle with nozzle set	With its two pivoting nozzle heads , the dual nozzle is suitable for a diverse range of applications . In conjunction with telescopic or extension wands, it enables users to treat two rows of plants at once or spray at an angle , e.g. to treat the underside of leaves or to reach awkward places. Each of the nozzle heads can be pivoted through approx. 270° . The standard delivery includes two preinstalled hollow cone nozzles for large scale plantings and two flat spray nozzles for treating large areas . The set also contains dummy plugs to allow one nozzle to be closed off . Using the knurled screw, the dual nozzle can be attached to existing spray wands without the need for tools.	49477	-	●	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●



Sets of seals for pressure and backpack sprayers

●	Recommended	●	Suitable	●	Not recommended	-	Unsuitable / does not fit															
Pos.	Designation	Description and recommended application	Part no.	403		408		401		461		456		424		473 D		416 Li				
				404	404	409	409	402	402	462	462	457	457	425	425	475	475	417	417	441	441	
1	Standard set of seals	Contains all standard seals for SOLO pressure sprayer models 461 and 462 .	49551	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Standard set of seals	Contains all standard seals for SOLO pressure sprayer models 456, 457 and 458 .	49441	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Standard set of seals	Contains all standard seals for SOLO backpack sprayer models 425 and 435 with piston pump .	49442	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-
4	FKM set of seals	Contains all seals for SOLO pressure sprayer models 456, 457 and 458 . Made from highly resistant FKM material ("Viton®") .	49577	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-
5	FKM set of seals	Contains all seals for SOLO backpack sprayer models 425 and 435 with piston pump . Made from highly resistant FKM material ("Viton®") . Standard equipment level for all SOLO backpack sprayer models in the Comfort and Pro categories.	49578	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-
6	Standard set of seals	Contains all standard seals for SOLO backpack sprayer models 475 and 473 D Classic with diaphragm pump . Including pump diaphragms made from special, highly resistant Tivilon® material (TPV) .	49443	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-
7	FKM set of seals	Contains all seals for SOLO backpack sprayer models 475 and 473 D Classic with diaphragm pump . Made from highly resistant FKM material ("Viton®") . Including diaphragms made from special, highly resistant Tivilon® . Standard equipment level for SOLO 475 Comfort and 475 Pro models.	49579	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-



Other accessories

● Recommended		● Suitable		● Not recommended		- Unsuitable / does not fit					
Pos.	Designation	Description and recommended application	Part no.	403 404	408 409 453	401 402	461 462	456 457 458	424 425 435	473 D 475	416 Li 417 441 442
1	Manual valve set	Professional manual valve. Robust, ergonomic design made from special plastic material. With childproof lock and connection for installing a pressure gauge (optional). Including all parts necessary for installation.	49440	-	●	-	●	●	●	●	●
2	Pressure gauge	We recommend the professional pressure gauge for highly accurate measurements and readings, used with permanent spray pressure control. The easily readable display range extends from 0 to 6 bar (0 - 90 psi) in 0.2 bar increments. To protect the pressure gauge against any impact and to ensure safe handling, it is equipped with a large, removable rubber cover with profile. The standard delivery includes union nuts and seal rings.	49356	-	●	-	●	●	●	●	-
3	Ball valve filter	To prevent dripping after the manual valve has been shut off, we recommend using the ball valve filter with stainless steel filter insert – especially when telescopic spray wands are used. Straightforward insertion below the spray nozzle, instead of the standard filter. Standard equipment level for SOLO spray booms 49514 and 49299. Opening pressure 0.3 bar. Mesh size 50 mesh, ISO-compliant.	49539	-	●	-	●	●	●	●	●
4	Pro backpack carrying system	The comfortable, professional backpack carrying system makes safe and tireless working with SOLO backpack sprayers easier over longer operating periods. Developed with the help of experts from the outdoor sports sector, it offers maximum user comfort thanks to the balanced distribution of weight over the shoulders and hips. High quality materials, wide straps with comfortable padding and ventilation of the shoulder straps and integral waist belt ensure perfect wearing comfort, akin to that of a modern hiking rucksack. The carrying system fits all SOLO backpack sprayers with 12 l and 15 l tank capacities (including older models) and is standard equipment for the latest SOLO PRO backpack sprayer models.	49599	-	-	-	-	-	● ¹⁾	●	-
5	Compressed air connection valve	Automatic, rapid build-up of pressure saves you having to pump manually. Allows a large pressurised cushion of air to build up quickly and easily for longer working periods whilst maintaining a professional spray pattern. The pivoting compressed air connection valve enables an external compressed air supply to be connected to the sprayer and has an integral, automatic overpressure valve. It fits SOLO pressure sprayer models 456, 457 and 458.	49590	-	-	-	-	●	-	-	-
6	Wheel set	Quick-fit, practical wheel set, comprising large, high traction wheels incl. axle and a handle for easy tilting and movement. This enables the pressure sprayer 458 to be transported comfortably, without having to be carried.	49211	-	-	-	-	● ²⁾	-	-	-

¹⁾Not for 424/435 ²⁾Only for 458 (2019)



Accessories for backpack power sprayers

●	Recommended	●	Suitable	●	Not recommended	-	Unsuitable / does not fit
Pos.	Designation	Description	Part no.				433
1	Extension wand, 120 cm stainless steel	We recommend the 120 cm extension wand made from stainless steel for all applications that require a considerably extended reach, e.g. for very tall espaliered trees . To ensure safe handling, it is equipped with an easy grip plastic sleeve and can be simply attached to the existing manual valve. Can also be used in combination with the standard stainless steel spray wand from the SOLO range of high pressure sprayers.	49183				●
2	Spray wand, 120 cm with shut-off tap and stainless steel changeover nozzle	This universal spray wand made from stainless steel has a particularly robust design and is suitable for all professional assignments that require an extended reach . We also recommend this wand for high precision spraying and single plant treatment, e.g. spraying trees in orchards and other horticultural applications . Straightforward exchange of standard spray wand and manual valve . Flow rate, spray pattern and reach can be adjusted using the rotating selector at the handheld end of the spray wand: turning the selector changes the spray pattern from the initial broad hollow cone with a short reach and fine droplets, to a narrow full cone and then to a full jet with a greater reach . Including handle and two changeover nozzles in different sizes. At higher pressure, the spray wand can be used for cleaning purposes in agricultural applications .	49185				●
3	Telescopic extension wand, 120 - 230 cm Stainless steel	We recommend the telescopic spray wand made from stainless steel for all applications that require a considerably extended reach, e.g. for very tall, lignified plants . The length can be variably adjusted between 120 and 230 cm and is locked using the large fixing nut made from stainless steel. A plastic sleeve ensures safe handling . Simple to attach to the existing manual valve.	49189				●
4	Spray boom with 4 nozzles Stainless steel	The sturdy, stainless steel spray boom is suitable for treating larger areas or rows of plants . Four preinstalled nozzles, one 75 cm stainless steel spray wand and the wing nuts for attachment to the existing manual valve are provided.	49300				●
5	Twin nozzle Stainless steel	The twin nozzle is suitable for universal use and is part of the standard delivery of the SOLO 433 backpack power sprayer. The nozzle retainer is made from robust plastic material; the two individual preinstalled nozzles are stainless steel. Nozzle filters prevent blockages .	49182				●
6	Extension hose 10 m with retaining bracket	Recommended for all spraying applications that require a greater working radius – even when working at moderate heights where the power sprayer itself has to remain on the ground. A bonus for comfort and safety . The robust, high pressure extension hose is 10 m long. The retaining bracket fits the filling aperture of the SOLO 433 model and can be neatly rolled up and stored on the appliance .	49191				●



Accessories for power misters

●	Recommended	●	Suitable	●	Not recommended	-	Unsuitable / does not fit
Pos.	Designation	Description	Part no.		423	452	
1	Dusting attachment	The dusting attachment allows the SOLO Port 423 mister to be transformed into a dusting machine. This makes it possible to apply plant protection medium in granulate or powder form. The standard delivery includes all of the necessary parts, such as the corrugated supply hose, ventilation manifold, anti-static wire (preinstalled) and elbow with dusting metering lever.	49233		●	-	
2	ULV nozzle with metering device NEW!	With the new SOLO ULV nozzle, spray liquids are applied in small amounts using the ULV (ultra low volume) process and pesticides are atomised into very fine droplets. For droplet sizes between 40 and 51 µm (VMD), the SOLO ULV nozzle complies with the WHO standard. The very fine mist is sprayed in exactly the right direction thanks to the air flow from the blower in the mister. The spray liquid can be set to one of four flow rates via a setting wheel. This ULV nozzle is particularly suitable for vector control in all parts of the world, i.e. for use against carriers of pathogens such as mosquitoes and other harmful insects.	49480		●	●	
3	Twin nozzle	With the aid of the twin nozzle, the spray pattern of SOLO misters can be split and enlarged. The amount of spray liquid supplied can be regulated at each nozzle separately. The angle between the two misting nozzles can be adjusted from 0° to 90° without using tools, i.e. the spray pattern can be altered from parallel to 90° even while misting. This makes it suitable for very versatile applications, from enlarging the jet to completely separating it to be able to spray in two different directions, for example when treating two rows at the same time. The removable broad spray attachments enlarge the jets, which can be beneficial when treating narrow rows within a planting, for example.	49137		●	●	
4	Extension wand	Using the 60 cm extension wand, the jet can be aimed more accurately as well as extended, which is helpful when spraying targets some distance away. The use of a SOLO liquid booster pump (accessory) is highly recommended in conjunction with the extension wand, in order to ensure a reliable supply of spray liquid even when spraying vertically.	49333		●	●	
5	Liquid booster pump	We recommend using the liquid booster pump when working with SOLO misters in plantings that predominantly require an upward spray direction or a greater reach. It enables a reliable supply of spray liquid especially when spraying vertically and using extension wand 49333.	49117		●	●	



Two-stroke oil and mixing container

●	Recommended	●	Suitable	●	Not recommended	-	Unsuitable / does not fit				
Designation	Description	Part no.		433	423	452	468				
1	SOLO Profi 2T engine oil 1 l (for 50 l of two-stroke fuel mixture)	Semi-synthetic universal engine oil with fuel stabiliser. Contains cleaning and corrosion-inhibiting additives. Suitable for mixture lubrication and separate lubrication of all air and water-cooled two-stroke engines. The dissolving agents it contains ensure automatic and even mixing with the fuel. - Prevents the fuel mixture ageing - Enables trouble-free engine start even after standing for long periods - Protects against corrosion - Keeps the fuel system clean - Excellent ignition capability 2 years; even longer when high grade fuel is used Specifications: JASO FD, ISO-L-EGD, API TC, GLOBAL GD Mixing ratio 1:50 (observe instructions from appliance manufacturer)	49104	-	●	●	●				
2	Mixing container 1 l	Practical, compact mixing container for topping up fuel without spills or drips, and practical mixing of 2-stroke fuel mixture (petrol/oil). Including funnel and measuring cap. The funnel makes it easier to fill the tank, even in the case of narrow filler necks. Hard to lose: when not in use, the funnel can be inserted into the mixing container and held in place with the screw cap. The cap can also help to achieve an accurate ratio for 2-stroke fuel: 1 cap full of two-stroke oil to 1 l of petrol results in a mixing ratio of 1:50.	49278	-	●	●	●				



Batteries and chargers

●	Recommended	●	Suitable	●	Not recommended	-	Unsuitable / does not fit	
Designation	Description	Part no.		441	442			
1	Lithium-ion battery 11.1 V 2.5 Ah	Compact 11.1 V lithium-ion battery. Included with model 441.	49485	●	-			
2	Standard charger 1.5 A	Compact charger for external charging of the SOLO 11.1 V lithium-ion battery. Charging current 1.5 A Included with model 441.	49486	●	-			
3	Lithium-ion battery 18 V 2.0 Ah	Compact 18 V lithium-ion battery. Included with model 442.	49481	-	●			
4	Lithium-ion battery 18 V 5.0 Ah	Compact 18 V lithium-ion battery with high capacity of 5 Ah, power capacity 90 Wh. Enables longer periods of use.	49482	-	●			
5	Standard charger 2 A	Compact charger for external charging of SOLO 18 V lithium-ion batteries. Charging current 2 A Included with model 442.	49483	-	●			
6	4 A express charger	Compact express charger for external charging of SOLO 18 V lithium-ion batteries. With increased 4 A charging current for shorter charging times.	49484	-	●			



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SOLO Kleinmotoren GmbH was founded in Stuttgart in 1948 and to this day is still a leading global manufacturer of high grade sprayers and misters, blowers and cut-off machines – all featuring the high German quality standards you have come to expect from us.

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