

# solo<sup>®</sup>

## SPRAYERS

*built to last a lifetime*



HOUSE & GARDEN • LANDSCAPING • PROFESSIONAL



**The Power of One**  
German Premium Brand since 1948



# SOLO® HISTORY

SOLO manufacture a complete range of garden equipment and arbour products including sprayers, chainsaws, brushcutters, mowers, hedge trimmers, blowers and cultivators.

In a small workshop in Germany, brothers Hans and Heinz Emmerich began the development of the first small two stroke engine. The company was founded in 1948, and in the same year the first KMS30 engine was born. Intended as a power source for portable machines, the KMS 30 weighed in at 6.35 kilos yet produced 1.2hp, which was an incredible feat. At that time, the 'lightest' industrial engines weighed as much as 15 kilos.

This innovative small engine technology from SOLO provided a world first in product development of 'engine driven backpack dusting machine' and 'backpack mist blowers'. In fact, the development of the SOLO motorised cycles and mopeds of the 1970s and 80s gave the young people of that era their first taste of independence and freedom.

This pioneering spirit, entrepreneurial courage and talent for innovation is now faithfully upheld by the second generation of the founding 'Emmerich' family.

SOLO was one of the first companies to supply chainsaws and brushcutters in Australia and remain a world leader in two stroke technology.

Since 1948, SOLO has earned global recognition as a leading manufacturer of superior quality spraying equipment.

SOLO is known in Australia as having the No.1 backpack sprayer used by City Councils, Contract Gardeners, Nursery Professionals and Rural Farmers.

SOLO has been exclusively distributed in Australia by Clayton Engineering since 1975.





**solo**



### 403 - 1.25 Litre Hand-held Sprayer

- Mini hand-held sprayer.
- Adjustable nozzle.
- Solid cap and handle for easy carrying.

<b>Type</b>	403
<b>Pump Type</b>	Piston
<b>Capacity (L)</b>	1.25
<b>Dry Weight (kg)</b>	0.46



### 404 - 2 Litre Hand-held Sprayer

- Hand-held sprayer.
- Adjustable nozzle.
- Solid cap and handle for easy carrying.

<b>Type</b>	404
<b>Pump Type</b>	Piston
<b>Capacity (L)</b>	2
<b>Dry Weight (kg)</b>	0.54



## HOUSE & GARDEN



### 408 - 5 Litre Hand-held Sprayer

- Hand-held easy carry sprayer.
- Twist-on handle with lock-in to secure pumping chamber.
- Good grip handle.
- Pressure relief valve for safety.
- 50cm standard spray wand.
- Comfortable trigger hand piece.
- Plastic adjustable spray nozzle.

Type	408
Pump Type	Piston
Capacity (L)	5
Dry Weight (kg)	1.2



### 409 - 7 Litre Hand-held Sprayer

- Hand-held easy carry sprayer.
- Twist-on handle with lock-in to secure pumping chamber.
- Good grip handle.
- Pressure relief valve for safety.
- 50cm standard spray wand .
- Comfortable trigger hand piece.
- Plastic adjustable spray nozzle.

Type	409
Pump Type	Piston
Capacity (L)	7
Dry Weight (kg)	1.4



### 453 - 11 Litre Garden Sprayer Trolley

- Safety pressure release valve.
- Adjustable spray pattern mist to stream.
- Large funnel shape filler opening.
- Metal pump lever, high performance pump.
- Comfortable trigger piece.

Type	453
Pump Type	Piston
Capacity (L)	11
Seals	Viton
Dry Weight (kg)	3.6



**solo**

### 401 - 1 Litre Hand-held Sprayer



- Mini hand-held sprayer for light easy carrying.
- Viton® seals and lever lock.
- Vertically adjustable nozzle head makes spraying easy, even in awkward places like underneath leaves.
- The high-quality nozzle is fully adjustable from a direct jet to the finest mist.

<b>Type</b>	401
<b>Pump Type</b>	Piston
<b>Capacity (L)</b>	1
<b>Seals</b>	Viton
<b>Dry Weight (kg)</b>	0.39

### 402 - 2 Litre Hand-held Sprayer



- Hand-held sprayer for light easy carrying.
- Viton® seals and lever lock.
- The vertically adjustable nozzle head makes spraying easy, even in awkward places, like underneath leaves.
- The high quality nozzle is fully adjustable from a direct jet to the finest mist.

<b>Type</b>	402
<b>Pump Type</b>	Piston
<b>Capacity (L)</b>	2
<b>Seals</b>	Viton
<b>Dry Weight (kg)</b>	0.46

### 425D/425LC - 15 Litre Backpack Sprayer



- Landscape backpack sprayer with a capacity of 15L.
- Durable 50cm long lance and practical robust valve handle.
- UV resistant plastic tank and ergonomically designed for maximum carrying comfort.

<b>Type</b>	425D	425LC
<b>Pump Type</b>	Piston	Piston
<b>Capacity (L)</b>	15	15
<b>Spray Pressure (bar)</b>	6 (90 psi)	6 (90 psi)
<b>Seals</b>	Viton	Viton
<b>Dry Weight (kg)</b>	4.3	4.3



## LANDSCAPE

### 461 - 5 Litre Hand-held Sprayer

- Light-weight universal sprayer.
- Wide filling opening and the optional locking of the spray wand.
- Generously sized cleaning aperture.
- Selection of pressure spray nozzles supplied as standard.

Type	461
Pump Type	Piston
Capacity (L)	5
Spray Pressure (bar)	3 (45 psi)
Seals	Viton
Dry Weight (kg)	1.2

### 462 - 7.5 Litre Hand-held Sprayer

- Light-weight universal sprayer.
- Wide filling opening and the optional locking of the spray wand.
- Generously sized cleaning aperture.
- Selection of pressure spray nozzles supplied as standard.

Type	462
Pump Type	Piston
Capacity (L)	7.5
Spray Pressure (bar)	3 (45 psi)
Seals	Viton
Dry Weight (kg)	1.5

### 417 - 18 Litre Battery Operated Backpack Sprayer

- Durable 50cm spray wand.
- Robust 12V pump fitted inside an impact-resistant enclosure; pressure and spray volume selectable in two speeds.
- Lead gel rechargeable battery.

Type	417
Rating	12 V / 7.2 Ah
Capacity (L)	18
Spray Pressure (bar)	2.5 / 4.3
Standard delivery L/min	1.07 / 1.42
Dry Weight (kg)	7.6





### 456 - 5 Litre Hand-held Sprayer

- 330cm<sup>3</sup> pump generates 3 bar pressure.
- Large apertures allow easy cleaning.
- Durable 50cm spray lances.
- Robust grips with optional pressure gauge attachment the selection of spray nozzles supplied as standard.

Type	456
Pump Type	Piston
Capacity (L)	5
Spray Pressure (bar)	3 (45psi)
Seals	Viton
Dry Weight (kg)	2.5



### 457 - 7.5 Litre Hand-held Sprayer

- 330cm<sup>3</sup> pump generates 3 bar pressure.
- Large apertures allow easy cleaning.
- Durable 50cm spray lances.
- Robust grips with optional pressure gauge attachment the selection of spray nozzles supplied as standard.

Type	457
Pump Type	Piston
Capacity (L)	7.5
Spray Pressure (bar)	3 (45psi)
Seals	Viton
Dry Weight (kg)	2.6





# PROFESSIONAL



## 475 - 15 Litre Backpack Sprayer - Australia's No. 1

- Equipped with a pressure regulator.
- Durable 50cm long lance and a practical robust valve handle.
- UV-resistant plastic tank is ergonomically designed for maximum carrying comfort.
- Suitable for chlorine spraying.

Type	475
Pump Type	Tivilon Diaphragm
Capacity (L)	15
Spray Pressure (bar)	4 (60 psi)
Seals	Viton
Dry Weight (kg)	4.6



## 473D - 12 Litre Backpack Sprayer

- Manually adjustable pressure regulator.
- Durable 50cm long lance and a practical robust valve handle.
- UV-resistant plastic container is ergonomically designed for maximum wearer comfort.
- Robust metal pump lever can be stored vertically.

Type	473D
Pump Type	Diaphragm
Capacity (L)	12
Spray Pressure (bar)	4 (60 psi)
Seals	Viton
Dry Weight (kg)	3.9



## 425 - 15 Litre Backpack Sprayer

- Durable 50cm long lance.
- Practical robust valve handle.
- UV-resistant plastic tank is ergonomically designed for maximum carrying comfort.

Type	425
Pump Type	Piston
Capacity (L)	15
Spray Pressure (bar)	6 (90psi)
Seals	Viton
Dry Weight (kg)	4.3



**solo**



### 416 - 20 Litre Battery Operated Pressure Backpack Sprayer

- 12V Pump, Lithium-ion rechargeable battery, 7.8Ah, fully charged in 3hrs.
- Ergonomically designed 20L tank.
- Adjustable 50-90cm spray wand.
- Resistant seals for all plant protection spray liquids.
- Pressure gauge for controlled spray rate.

<b>Battery Operated</b>	✓
<b>Rating</b>	12 V / 7.8 Ah
<b>Capacity (L)</b>	20
<b>Spray Pressure (bar), Adjustable</b>	2.5 / 4.3
<b>Standard delivery L/min</b>	1.07 / 1.42
<b>Dry Weight (kg)</b>	5.2



### 433 - 20 Litre Backpack Power Sprayer

- Up to 30 bar operating pressure.
- Piston Pump with 2.4L/min flow rate at 30 bar.
- Stainless steel spray wand for really high pressure.
- Finest mist spray, even at extreme heights.

<b>Electric Motor</b>	4-stroke Honda GX 25
<b>Capacity (Cm<sup>3</sup>)</b>	25
<b>Capacity (L)</b>	20
<b>Spray Pressure (bar), adjustable</b>	Up to 30
<b>Standard delivery L/min</b>	2.4 max
<b>Dry Weight (kg)</b>	9.8



### 421 - Portable Granulate Spreader

- Up to 9kg of granulated matter.
- Carried in front of the body with adjustable straps.
- Large hopper aperture for easy filling.
- Large screw top protects users from harmful dust.

<b>Integral agitator</b>	Built-in
<b>Capacity (kg)</b>	9
<b>Carry Strap</b>	Included
<b>Flow Rate</b>	Adjustable
<b>Directions</b>	180° Adjustable
<b>Dry Weight (kg)</b>	2.5



## PROFESSIONAL

### 451 - 13 Litre Professional Power Mister

- Powerful low emission Solo engine.
- Comfortable support frame with padded straps.
- Made in Germany.
- For Large range of horticultural products and forestry.



<b>Engine 2-stroke Solo Capacity cm<sup>3</sup></b>	66.5
<b>Power KW/HP</b>	2.1 / 2.9
<b>Capacity (L)</b>	13
<b>Air Flow Rate max m<sup>3</sup>/h</b>	1400
<b>Horizontal reach in m</b>	11.5
<b>Dry Weight (kg)</b>	10.8

### 423 - 12 Litre Portable Power Mister

- Worldwide No.1 Mister.
- Long service life through Nikasil cylinder coatings.
- Made in Germany.
- Plant protection for disinfection, parasite control in animal herds, in stables, storage areas, ships and containers.
- Best air performance, low emissions.



<b>Engine 2-stroke Solo Capacity cm<sup>3</sup></b>	72.3
<b>Power KW/HP</b>	3.0 / 4.1
<b>Capacity (L)</b>	12
<b>Air Flow Rate max m<sup>3</sup>/h</b>	1400
<b>Horizontal reach in m</b>	12
<b>Dry Weight (kg)</b>	11

### 467 - Blower

- Low engine noise and minimal vibration.
- New clean combustion engine with catalytic converter.
- Comfortable carrying handle.



<b>Engine 2-stroke Solo Capacity cm<sup>3</sup></b>	66.5
<b>Max. blower capacity m<sup>3</sup>/hr</b>	1400
<b>Air velocity m/s</b>	92
<b>Sound Pressure Level dB(A)</b>	90
<b>Vibration Value m/s<sup>2</sup></b>	<2.0
<b>Anti-vibration system</b>	✓
<b>Dry Weight (kg)</b>	10



**solo**



### 407CI - 11 Litre CONCRETE Hand-held Sprayer

- Specifically for application of curing compounds and sealers associated with concrete application uses.
- Supply up to 35% solid curing compounds and performs as efficiently as traditional steel sprayers at a fraction of the cost.
- Fitted with a large 3.7lpm, 100° fan nozzle for curing compounds.

**Chemical Recommendation:** Latex curing compounds, foam release agents, latex sealers, hardeners and form oils.

Type	407CI
Pump Type	Piston
Capacity (L)	11
Spray Pressure (bar)	3 (45 psi)
Seals	Viton
Dry Weight (kg)	2.5



### 487CI - 11 Litre ACETONE Hand-held Sprayer

- Specifically for application of acetone dye application and may also be used when applying other problem chemicals, like alcohol and ammonia.
- Teflon hose, special nozzles and anti drip valve for optimal performance.

**Chemical Recommendation:** Acetone based Dyes, Alcohol and Ammonia.

Type	487CI
Pump Type	Piston
Capacity (L)	11
Spray Pressure (bar)	3 (45 psi)
Seals	EDPM
Dry Weight (kg)	3.1



### 462AS - 7 Litre ACID Hand-held Sprayer

- Specifically for application of cleaning masonry with Muriatic Acid and can be used for cleaning HVAC coils, or when applying acid based concrete stains, automotive wheel cleaners and phosphoric acid based cleaners.
- Acid resistant, nylon reinforced hose for added durability.

**Chemical Recommendation:** Aluminum & Stainless Steel Cleaners. Note: Acceptable solution mix of up to 50% Hydrofluoric Acid, 75% or less Sulfuric Acid and 20% or less Muriatic Acid.

Type	462AS
Pump Type	Piston
Capacity (L)	7
Spray Pressure (bar)	3 (45 psi)
Seals	Viton
Dry Weight (kg)	1.5



## PROFESSIONAL



### 456F - 7.5 Litre FOAM Hand-held Sprayer

- High volume sprayer specifically designed for use with foaming chemicals and 'green' cleaning formulations that require additional dwell time.
- Brass wand for added durability.
- Pressure gauge for better control over foaming pressure.

**Chemical Recommendation:** Detergent based degreasers, Sanitisers and Deodorants. Ideal for chemicals used in pest, mould, wall voids and overspray conditions.

Type	456F
Pump Type	Piston
Capacity (L)	7.5
Spray Pressure (bar)	3 (45 psi)
Seals	Viton
Dry Weight (kg)	2.8

**SOLO's Industrial Sprayers range extends for specialised use in concrete, janitorial/sanitisation and pest control industries.**

### Sprayers to suit:

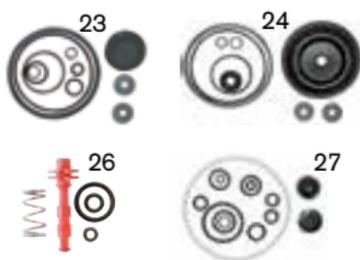
- Concrete release agents, sealers, hardeners, oils
- Acetone based dyes
- Acid
- Chlorine
- Detergent based degreasers
- Deodorant-based degreasers
- Deodorants and sanitisers
- Aluminium and stainless steel cleaners
- Cleaners and disinfectants

Refer to the back page for chemical recommendations.

## Nozzles



## Repair Kits



## Carbon Spray Wands



## Brass Spray Wands



## Drift Guards



## Connectors



Solo Sprayers are covered by Solo's warranty program and backed 100% by Clayton Engineering, who have distributed Solo products in Australia since 1975.

Solo is renowned for their German engineering, providing excellent design and built from high quality materials.

Details of warranties and how to claim are found in your sprayer box.

POS. NO.	PART NO.	DESCRIPTION
<b>ACCESSORIES</b>		
1	49 00 527	Plastic Adjustable Nozzle
2	49 00 207-P	Brass Adjustable Nozzle
3	06 10 408-P	3-Piece Elbow & Nozzle Set
4	49 00 477	Double Spray Nozzle
5	40 74 666-P	3 in 1 Sprayer Nozzle
6	48 00 230-P	PVC Spray Wand 50cm
7	49 00 513	PVC Extension Wand 50cm
8	49 00 449	Carbon Tree Lance 120cm
9	49 00 457	Carbon Telescopic Wand 60-120cm
10	49 00 445	Carbon Telescopic Wand 120-230cm
11	49 00 450	Flexible Spray Tube
12	49 00 519	Brass Spray Wand 50cm
13	49 00 428	Brass Spray Wand 75cm
14	49 00 528	Brass Tree Lance 150cm
15	49 00 478	Brass Telescopic Wand 57-100cm
16	49 00 430	Drifter Guard - Large with Nozzle
17	49 00 128	Drifter Guard - Small without Nozzle
18	43 00 343	Heavy Duty Harness
19	49 00 356	Pressure Gauge for Hand Piece
20	48 00 170-P	Hand Piece Assembly
21	49 00 170-N	Universal Wand
22	49 00 600	Sprayer Cleaner 500ml
<b>REPAIR KITS</b>		
23	06 10 407-K	425/425D Repair Kit
24	06 10 406-K	475 Repair Kit
25	06 10 402-K	Hand Piece Repair Kit 425/475
26	06 10 402-D	Hand Piece Repair Kit 425D
27	49 00 405-K	456/457 Repair Kit

## SERVICE & SUPPORT

With service and support centres strategically located in Brisbane and Melbourne, you can rely 100% that the Solo product is managed by a professional team who know the product extensively.

For all after sales service and or support call **1300 798 022**.

# CHEMICAL RECOMMENDATIONS

Model	Litres	HOME & GARDEN LANDSCAPE		PROFESSIONAL						
		HERBICIDES	GARDEN PESTICIDES	SANITISERS AND DEODORANTS	ALUMINIUM & STAINLESS STEEL CLEANERS	CHLORINE CLEANING & DISINFECTANTS	DETERGENT BASED DEGREASERS	CONCRETE CURING	ACID BASED STAINS	ACETONE BASED DYES
<b>Garden Range</b>										
403	1.25	•	•							
404	2	•	•							
408	5	•	•							
409	7	•	•							
<b>Landscape Range</b>										
401	1	•	•	•			•			
402	2	•	•	•			•			
461	5	•	•	•			•			
462	7	•	•	•			•			
463	11	•	•	•			•			
425D	15	•	•	•			•			
<b>Professional Range</b>										
456	5	•	•	•			•			
457	7.5	•	•	•			•			
425	15	•	•	•			•			
475	15	•	•	•		•	•			
473D	12	•	•	•			•			
407CI	11							•		
487CI	11									•
462AS	5				•				•	
456F	7.5			•			•			

NOTE: This brochure was prepared by Clayton Engineering, the distributor and wholesaler for Solo products in Australia. Every effort has been made to ensure the accuracy of this information. No responsibility is accepted for any inadvertent errors or omissions.



For all after sales, service and support call  
**1300 798 022**

For spare parts and accessories to go  
[www.soloaustralia.com.au](http://www.soloaustralia.com.au)